

2. Competitive Grants Received ([Back to top](#))

During Oct. 1, 2009 to Sep 30, 2010 Period

All SUS energy faculty information is listed below to show the scope of the SUS research program. This information might be helpful in forming collaborative teams, informing the outside world (e.g., industry) of FESC's research interests. The information was collected through the databases at each university, published news releases, and faculty input.

The SUS faculty received 374 research and education awards totaling \$84,402,932 during the twelve-month period of Oct 1, 2009 through Sep 30, 2010. (Many of the awards were based on proposals prior to this period, but demonstrates the competitiveness of the SUS faculty in this arena).

#	Faculty	University	Source/Agency	Project Title	Start Date	End Date	Amount
1	C.A. Weatherford	FAMU	US DOE	STPX—Spheromak Fusion Research			\$1,410,858
2	C.A. Weatherford	FAMU	NSF	Center for Research Excellence in Science and Education			\$1,165,603
3	E. Mezolin	FAMU	US DOE	Turbulent Plasma Diagnostics			\$156,000
4	K. Belay	FAMU	Air Force	Tailoring Carbon Nanotubes			\$370,979
5	R. Appartaim	FAMU	US DOE	X-Pinches			\$100,000
6	S. Skemp	FAU	US DOE	2010 Congressionally Directed Project (CDP) - Ocean Energy Research and Development	1/31/2010	1/30/2012	\$2,000,000
7	S. Skemp	FAU	US DOE	Southeast National Marine Renewable Energy Center - Advanced Water Power Projects (Renamed 2008 Solicitation)	9/1/2010	8/31/2011	\$250,000
8		FAU		** NOTE: 1st year award of potential five year funding			
9	Dale, Steinar	FSU	Southern California Edison	Aggregation Of Antelope-Bailey Wind Generation System Models For Rtds Studies	10/1/09		\$100,000
10	Dale, Steinar	USF, FSU	US DOE	Sunshine State Solar Grid Initiative (SUNGRIN)	10/1/09	9/30/14	\$3,600,000
11	Harrington, Julie	FSU	Energy Office of the Governor	Economic Development Study	12/1/2009	12/30/10	\$153,937
12	Cartes, Dave	FSU	FESC	Commercialization Plan for Distributed Intelligent Agency Based Control Solutions (DIAC Solutions) FSU#3	12/1/09	12/31/10	\$7,500
13	Chapin, Tim	FSU	Griffith University in Brisbane, Australia	Comparative study of Florida and Queensland planning responses to climate change and sea level rise.	4/15/10	8/15/10	\$15,000
14	Feiock, Richard and Anthony Kassekert	FSU	NSF	Policy Tool Bundling: Predicting Selection of Development Policy Instruments	7/1/10	6/30/2011	\$10,500

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15	Kostka, Joel E.	FSU	NSF	MRI RAPID - Request for funds for an oil extraction system and gas chromatograph with mass spectrometer for the extraction and analysis of DWH crude oil in Gulf sands	8/1/10		\$200,000
16	Kostka, Joel E.	FSU	BP/FIO	Penetration, accumulation and degradation of BP DWH oil in Florida sandy beaches	8/1/10	7/31/12	\$255,259
17	Kostka, Joel E.	FSU	National Science Foundation	Rates And Mechanisms Controlling The Microbial Degradation Of Crude Oil From The MC252 Spill In Gulf Of Mexico Beach Sands	8/15/2010		\$169,591
18	Baik, Dr. Jong	UCF/FSEC	ASRC Aerospace Corporation (UCFFY04/Line 58)	ARRA: Hydrogen Colorimeter Test Continuation Funding	9/1/2009	3/31/2010	\$20,168
19	Barkaszi, Mr. Stephen	UCF/FSEC	Sandia National Labs (995506)	Subtask 1.1- SERES Inverter High Risk Comp. Operating Temp Study	5/4/2010	5/3/2011	\$23,457
20	Barkaszi, Mr. Stephen	UCF/FSEC	Sandia National Labs (995506)	Subtask 1.2- SERES Thin Film System Performance Study	5/4/2010	5/3/2011	\$46,015
21	Barkaszi, Mr. Stephen	UCF/FSEC	Sandia National Labs (995506)	Subtask 1.3- SERES Tech Support for GSA PV System	5/4/2010	5/3/2011	\$29,444
22	Barkaszi, Mr. Stephen	UCF/FSEC	Sandia National Labs (995506)	Subtask 1.4- SERES Field Test Protocol	5/4/2010	5/3/2011	\$15,487
23	Barkaszi, Mr. Stephen	UCF/FSEC	Sandia National Labs (995506)	Subtask 2.1- SERES Special DAS for Desoto	5/4/2010	5/3/2011	\$92,091
24	Barkaszi, Mr. Stephen	UCF/FSEC	Sandia National Labs (995506)	Subtask 2.2- SERES Evaluate Commercial PV Monitoring Systems	5/4/2010	5/3/2011	\$39,165
25	Barkaszi, Mr. Stephen	UCF/FSEC	Sandia National Labs (995506)	Subtask 3.1- SERES System Long Term Exposure Study	5/4/2010	5/3/2011	\$50,477
26	Barkaszi, Mr. Stephen	UCF/FSEC	Sandia National Labs (995506)	Subtask 3.2- SERES Inverter Long Term Exposure Study	5/4/2010	5/3/2011	\$62,323
27	Barkaszi, Mr. Stephen	UCF/FSEC	Sandia National Labs (995506)	Subtask 3.3 - SERES High Voltage Bias Tests	5/4/2010	5/3/2011	\$54,076
28	Barkaszi, Mr. Stephen	UCF/FSEC	Sandia National Labs (995506)	Subtask 3.4- SERES Testing and Certification	5/4/2010	5/3/2011	\$40,300
29	Barkaszi, Mr. Stephen	UCF/FSEC	Sandia National Labs (1000925)	TA Task 1 - SAC Orlando	2/20/2010	3/29/2014	\$76,789
30	Barkaszi, Mr. Stephen	UCF/FSEC	Sandia National Labs (1000925)	TA Task 10 - Utility TA	3/30/2010	3/29/2014	\$40,731
31	Barkaszi, Mr. Stephen	UCF/FSEC	Sandia National Labs (1000925)	TA Task 11 - Project Mgmt Training	3/30/2010	3/29/2014	\$57,632
32	Barkaszi, Mr. Stephen	UCF/FSEC	Sandia National Labs (1000925)	TA Task 2- Emergency Preparedness	3/30/2010	3/29/2014	\$49,903
33	Barkaszi, Mr. Stephen	UCF/FSEC	Sandia National Labs (1000925)	TA Task 3-Code Official Training	3/30/2010	3/14/2014	\$60,618
34	Barkaszi, Mr. Stephen	UCF/FSEC	Sandia National Labs (1000925)	TA Task 4- SAC New Orleans	3/30/2010	3/29/2014	\$8,098

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35	Barkaszi, Mr. Stephen	UCF/FSEC	Sandia National Labs (1000925)	TA Task 5 - SAC Knoxville	3/30/2010	3/29/2014	\$4,958
36	Barkaszi, Mr. Stephen	UCF/FSEC	Sandia National Labs (100925)	TA Task 6 - SAS Mystic	3/30/2010	3/29/2014	\$67,451
37	Barkaszi, Mr. Stephen	UCF/FSEC	Sandia National Labs (100925)	TA Task 7- SAS UCF	3/30/2010	3/29/2014	\$39,021
38	Barkaszi, Mr. Stephen	UCF/FSEC	Sandia National Labs (1000925)	TA Task 8- SA GSIP TBD	3/30/2010	3/29/2014	\$27,466
39	Barkaszi, Mr. Stephen	UCF/FSEC	Sandia National Labs (1000925)	TA Task 9- Structural Crosscut	3/30/2010	3/29/2014	\$44,999
40	Block, Dr. David	UCF/FSEC	DOE/Golden Field Office (DEEE0002091)	ARRA: Southeast Solar Training Network (SSTN)	1/1/2010	6/30/2011	\$981,000
41	Block, Dr. David	UCF/FSEC	DOE/Golden Field Office	Transfer of DOE Agreement DE-FC36-04GO14225 Florida Hydrogen Initiative to Florida Solar Energy Center	5/1/2009	11/15/2010	\$313,644
42	Choi, Dr. Pyoungho	UCF/FSEC	Naval Research (N0001410M0234)	Simultaneous Extraction of Lithium and Hydrogen from Seawater	7/26/2010	7/25/2011	\$100,000
43	Click, Mr. David	UCF/FSEC	Florida Municipal Power Agency	PV Inspection Services for FMPA at the Key West Eco-Discovery Center	11/23/2009	1/29/2010	\$2,682
44	Click, Mr. David	UCF/FSEC	GRAEF (20094130)	Technical Assistance for Solar Deployment in Lake Louisa State Park	9/1/2009	8/31/2010	\$9,244
45	Click, Mr. David	UCF/FSEC	Jones Edmunds (0710923101)	Bradenton City Hall PV System Technical Assistance	6/8/2010	5/31/2011	\$10,245
46	Click, Mr. David	UCF/FSEC	Florida Municipal Power Agency	Photovoltaic System Technical Assistance	9/17/2010	11/15/2010	\$357
47	Cummings, Mr. James	UCF/FSEC	Wiss, Janney, Elstner Associates, Inc.	Building Airtightness Testing of 4+ Story Buildings	9/15/2009	8/31/2011	\$52,000
48	Davis, Mr. Kristopher	UCF/FSEC	Gulf Power Company	Photovoltaic Workshop for Gulf Power Company	9/20/2009	10/20/2009	\$13,570
49	Del Mar, Mr. John	UCF/FSEC	NREL (NXL99925701)	Combined Photovoltaics/Thermal (PVT) Systems	9/28/2009	9/30/2011	\$40,000
50	Del Mar, Mr. John	UCF/FSEC	New Energy Technologies, Inc	Technical Assistance to New Energy Technologies Inc	9/16/2010	9/30/2012	\$10,000
51	Fairey, Mr. Philip	UCF/FSEC	DOE-NETL (DEFC2606NT42767)	Building America Industrailized Housing Partnership	1/28/2010	11/30/2010	\$1,530,000
52	Hickman, Dr. Nicoleta	UCF/FSEC	NREL (NFE99901501)	Collaborative research between NREL and FSEC to establish degradation rates of the PV modules measured at FSEC and validate the energy rating models	10/7/2009	10/6/2011	\$95,529
53	Hickman, Dr. Nicoleta	UCF/FSEC	State of Florida (Legislature) (20127061)	Match Account for Degradation Rates for PV Modules Project-20126049	10/7/2009	10/6/2011	\$16,585

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54	Huang, Dr. Cunping	UCF/FSEC	DOE (DEFC3604GO 14225)	Development of High Efficiency Low Cost Electrocatalysts for Hydrogen Production and PEM Fuel Cells Applications	4/8/2010	11/15/2010	\$351,862
55	Kalaghchy, Mr. Safvat	UCF/FSEC	NREL (NXL99925701)	Combined Photovoltaics/Thermal (PV/T) Systems-Mod 1	9/28/2009	9/27/2010	\$13,757
56	Kettles, Colleen	UCF/FSEC	Workforce Florida, Inc.	Employ Florida Banner Center for Clean Energy	9/1/2010	6/30/2011	\$200,000
57	Kettles, Colleen	UCF/FSEC	Workforce Florida, Inc.	Account 2 - Alternative Energy Banner Center	1/25/2010	8/31/2010	\$118,000
58	Kettles, Colleen	UCF/FSEC	Workforce Florida, Inc.	Alternative Energy Banner Center	1/25/2010	8/31/2010	\$207,000
59	McIlvaine, Mrs. Janet	UCF/FSEC	PNNL (133040)	ARRA-Partnership for High Performance Homes	10/1/2010	9/30/2011	\$350,000
60	Moaveni, Mr. Houtan	UCF/FSEC	Altamonte Springs (C0620)	City of Altamonte Springs Solar Feasibility Study and Energy Assessment	10/1/2009	9/30/2010	\$24,530
61	Moaveni, Mr. Houtan	UCF/FSEC	SMP Storage, LLC	Solar Energy System Deployment for the SMP Storage	6/8/2010	9/30/2010	\$906
62	Moaveni, Mr. Houtan	UCF/FSEC	Polk County (20100203)	Large Solar Energy System Deployments in Polk County	10/1/2009	9/30/2010	\$4,729
63	Mohajeri, Dr. Nahid	UCF/FSEC	Department of Energy (DEFC3604GO 14225)	Chemoschromic Hydrogen Leak Detectors for Safety Monitoring	4/8/2010	11/15/2010	\$281,549
64	Moyer, Mr. Neil	UCF/FSEC	US Department of Energy-NETL (DEEE0004296)	ARRA Advanced Weatherization Training	9/28/2010	9/7/2012	\$486,000
65	Moyer, Mr. Neil	UCF/FSEC	FL DCA	Florida Weatherization Training; Weatherization Assistance Program (ARRA 10WX7Z120022301)	7/10/2009	6/30/2011	\$155,000
66	Muradov, Dr. Nazim	UCF/FSEC	Naval Research (N0001410M02 26)	High Power Density Generators for Unmanned Undersea Vehicle (UUV) Applications.	9/1/2010	8/31/2012	\$100,000
67	Nassif, Dr. Nabil	UCF/FSEC	Etatech, Inc	A Study of the effects of Varying Filter Pressure Drop on Energy Consumption in a Typical AC System in Residences	1/15/2010	5/30/2010	\$19,882
68	Nelson, Jeremy	UCF/FSEC	FECC (GO405)	Online Utility Report Card Implementation	11/12/2009	9/30/2010	\$39,505
69	Qu, Dr. Zhihua	UCF	Petra Solar	Grid Stability with Distributed Generations and Varying Topologies-Phase II	2/1/2010	7/31/2011	\$240,000
70	Qu, Dr. Zhihua	UCF	US Army RDECOM (W91CRB08D0 015)	RAOS: TO#46 - RoboLeader: Dynamic Re-tasking for Persistence Surveillance in an Urban Environment Using Robot-to-Robot Control	3/4/2010	3/3/2011	\$45,600
71	Raustad, Mr. Richard	UCF/FSEC	Mitsubishi Electric, HVAC Advanced Products Div.	Adding a Model for Variable Refrigerant Flow (VRF) Heating and Cooling Equipment in EnergyPlus	11/30/2009	2/28/2011	\$7,660

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72	Raustad, Mr. Richard	UCF/FSEC	Fujitsu General America Inc	Adding a model for variable refrigerant flow (VRF) heating and cooling Equipment in EnergyPlus	11/30/2009	11/29/2010	\$7,660
73	Raustad, Mr. Richard	UCF/FSEC	LG Electronics USA Inc	Adding a model for variable refrigerant flow (VRF) heating and cooling equipment in EnergyPlus	11/30/2009	2/28/2011	\$7,660
74	Raustad, Mr. Richard	UCF/FSEC	US Department of Energy-NETL (DEEE0003848)	ARRA: Technical Topic 2.1: Modeling Variable Refrigerant Flow Heat Pump and Heat Recovery Equipment	7/1/2010	6/30/2011	\$282,233
75	Raustad, Mr. Richard	UCF/FSEC	Associated Gas Distributors of Florida	Developing Natural Gas Cost Escalation Rates for the Associated Gas Distributors of Florida	10/15/2009	4/30/2011	\$9,963
76	Reedy, Mr. Robert	UCF/FSEC	DOE/Golden Field Office (DEEE0003088)	Merit Review Services - DOE	1/14/2010	2/28/2010	\$7,839
77	Reedy, Mr. Robert	UCF/FSEC	Florida State University (R01329ARRA)	ARRA-SUNGRIN Simulation-Assisted Understanding of the High-Penetration PV Effects and Requirements	8/1/2010	4/30/2011	\$100,000
78	Reedy, Mr. Robert	UCF/FSEC	Sandia National Labs	High Efficiency Photovoltaic Systems	6/24/2010	9/30/2011	\$12,500
79	Schleith, Mrs. Susan	UCF/FSEC	Government Energy Office (ARS001)	ARRA: SunSmart Schools Emergency Shelters	2/10/2010	4/30/2012	\$10,000,000
80	Schleith, Mrs. Susan	UCF/FSEC	Florida Power and Light	RF: FPL SunSmart Schools DAS program	5/1/2009	5/31/2011	\$9,926
81	Schleith, Mrs. Susan	UCF/FSEC	Florida Power and Light	RF: FPL SunSmart Schools DAS program	5/1/2009	5/31/2011	\$5,116
82	Shen, Dr. Zheng	UCF	APECOR (NNX10CD11P)	High-Temperature, Wirebondless, Ultra-Compact Wide Bandgap Power Semiconductor Modules for Space Power Systems	1/29/2010	7/29/2010	\$30,817
83	Shen, Dr. Zheng	UCF	NIST(70NANB 7H6113)	Development and Electro-Thermal-Mechanical Characterization of High Temperature Packaging for Wide Bandgap Power Semiconductors	10/1/2007	9/30/2010	\$52,166
84	Sherwin, Mr. John	UCF/FSEC	DOE-NETL (DEEE0003920)	ARRA: Technical Subtopic 4.1: Improving Best Air Conditioner Technology by 20-30% through a High Efficiency Fan and Diffuser Stage Coupled with an Evaporative Condenser Pre-Cooler	7/1/2010	6/30/2011	\$140,000
85	Slattery, Dr. Darlene	UCF/FSEC	DOE (DEFC3604GO 14225)	Understanding Mechanical and Chemical Durability of Fuel Cell Membrane Electrode Assemblies	4/8/2010	11/15/2010	\$351,862
86	Sonne, Mr. Jeffrey	UCF/FSEC	Florida Dept. of Community Affairs	ARRA: Florida Energy Code Compliance Train-the-Trainer Program - (11BC66120022005)	8/19/2010	4/12/2012	\$293,600
87	Walters, Mr. Joseph	UCF/FSEC	Westpak, Inc.	Training for Test Center Startup	2/15/2010	3/31/2010	\$4,240

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88	Walters, Mr. Joseph	UCF/FSEC	North Carolina State University (12819)	Training for Test Center Start-up	11/16/2009	7/31/2010	\$4,000
89	Young, Mr. William	UCF/FSEC	Leonardo Tech., Inc	Space Coast Clean Cities Coalition Support 2010; (S038CCCPM4002)	11/16/2009	10/31/2010	\$22,500
90	Alpeter F	UF	Vlalactia Biosciences	Field evaluation of drought tolerant perennial ryegrass	12/1/2009	12/31/2012	\$200,269
91	Alpeter F	UF	Chromatin:	Consulting for developing mini-chromosome technology	11/1/2009	12/31/2010	\$1,000
92	Anderson T J	UF	US DOE	Routes To Rapid Synthesis Of Cugaxin1 Xse2 Absorbers	9/1/2010	9/30/2011	\$199,449
93	Anderson T J	UF	NSF	Goali: Mechanism-Based Approaches For Cvd/Ald Of Cu Barriers	11/10/2009	8/31/2011	\$85,000
94	Andraka B	UF	US DOE	Investigation Of Novel Strongly Correlated Electron States With The Emphasis On Pr-Based Systems	4/20/2010	1/31/2011	\$102,000
95	Angerhofer A	UF	NSF	The Catalytic Mechanism Of Oxalate Decarboxylase Studied By Advanced Epr Experiments	7/8/2010	6/30/2011	\$130,000
96	Annable M D	UF	US DOE	Novel Sensor For The in situ Measurement Of Uranium Fluxes	7/7/2010	6/14/2011	\$67,345
97	Asthagiri A	UF	US DOE	Growth And Reactivity Of Oxide Phases On Crystalline Pd And Pt Surfaces	11/2/2009	8/31/2010	\$48,968
98	Asthagiri A	UF	NSF	REU Site In Computational Materials Science: Designing Materials In A Virtual Laboratory.	6/22/2010	8/31/2011	\$104,197
99	Avery P R	UF	US DOE	Task Q: Research In High Energy Physics (Experimental And Theoretical) Together With Quarknet Educational Outreach	9/22/2010	6/30/2011	\$144,700
100	Avery P R	UF	US DOE	High Energy Experimental And Theoretical Research	9/20/2010	6/30/2011	\$147,111
101	Avery P R	UF	NSF	Extenci: Extending Science Through Enhanced National Cyberinfrastructure	7/27/2010	7/31/2011	\$1,091,840
102	Balachandar S	UF	NSF	PIRE: Collaborations With Japan And France On Complex And Multiphase Fluid Technologies	7/30/2010	6/30/2011	\$62,845
103	Barooah P	UF	NSF	Cps: Medium: Collaborative Research: GOALI: Methods For Network-Enabled Embedded Monitoring And Control For High	3/5/2010	2/28/2011	\$125,000

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104	Barooah P	UF	NSF	Career: Distributed Estimation And Control For Energy Efficient Buildings	2/18/2010	1/31/2015	\$400,000
105	Bartlett R J	UF	US DOE	Super Instruction Architecture For Scalable Parallel Computations	10/14/2009	8/31/2010	\$22,456
106	Bartlett R J	UF	US DOE	Partial Support Of The Sanibel Symposium	6/30/2010	3/31/2011	\$10,000
107	Bartlett R J	UF	US DOE	Super Instruction Architecture For Scalable Parallel Computations	3/22/2010	8/31/2010	\$68,813
108	Bartlett R J	UF	US DOE	Super Instruction Architecture For Scalable Parallel Computations	9/16/2010	8/31/2011	\$93,375
109	Battelle B A	UF	NSF	REU Site: Undergraduate Research Training Program In Marine Biosciences At The Whitney Laboratory	1/27/2010	1/31/2011	\$70,885
110	Biswas A	UF	NSF	The Effect Of Strain On The Phase Separation And Magnetoelectric Coupling In Manganites	6/2/2010	7/31/2011	\$100,000
111	Bowers C R	UF	NSF	Inducing Molecular Single File Diffusion By Co-Adsorption In One Dimensional Channels For Gas Separations And Catalysis	9/15/2010	8/31/2011	\$106,343
112	Braun E L	UF	NSF	Sequencing Gators: Building A Genome Science Curriculum At The University Of Florida And Beyond	2/22/2010	5/14/2011	\$18,891
113	Brown M T	UF	NSF	IGERT Program In Adaptive Management: Wise Use Of Water, Wetlands And Watersheds (Cost Of Education Allowance)	3/2/2010	8/31/2010	\$30,000
114	Brown M T	UF	NSF	IGERT Program In Adaptive Management: Wise Use Of Water, Wetlands And Watersheds (Cost Of Education Allowance)	5/17/2010	8/31/2011	\$12,500
115	Brown M T	UF	NSF	IGERT Program In Adaptive Management: Wise Use Of Water, Wetlands And Watersheds (Participant Support)	5/17/2010	8/31/2011	\$34,020
116	Bruno Iii E M	UF	NSF	International: Carbon Sequestration And Tree Biodiversity In Amazonian Floodplain Forests	10/15/2009	7/31/2011	\$11,000
117	Bruner S D	UF	NSF	Career: Natural Product Biosynthesis Assembly Line Methodology	4/27/2010	12/31/2011	\$90,834

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118	Butler J E	UF	NSF	Pire: Collaborations With Japan And France On Complex And Multiphase Fluid Technologies	7/30/2010	6/30/2011	\$71,784
119	Cao Y	UF	NSF	Career: Position-Controlled Doping Of Semiconductor Nanocrystals	4/1/2010	2/28/2011	\$100,000
120	Casella G	UF	NSF	Sequencing Gators: Building A Genome Science Curriculum At The University Of Florida And Beyond	2/22/2010	6/30/2010	\$0
121	Casella G	UF	NSF	Sequencing Gators: Building A Genome Science Curriculum At The University Of Florida And Beyond	2/22/2010	5/14/2011	\$25,616
122	Cattafesta Iii L N	UF	NSF	Pire: Collaborations With Japan And France On Complex And Multiphase Fluid Technologies	7/30/2010	6/30/2011	\$76,546
123	Cazacu O	UF	NSF	GOALI: High-Strain Rate Deformation And Failure Of Magnesium Alloys	6/8/2010	5/31/2013	\$305,393
124	Chen S	UF	NSF	Collaborative Research: Redox And Metabolomic Regulatory Mechanisms Underlying Guard Cell Aba Signal Transduction	6/15/2010	8/31/2011	\$176,007
125	Cheng H P	UF	US DOE	A Computational Approach To Complex Junctions And Interfaces	7/6/2010	11/30/2010	\$230,000
126	Cheng H P	UF	NSF	Silica Under Water Attack: Surfaces, Defects And Nano-Structures	6/15/2010	8/31/2011	\$146,000
127	Abdol Chin	University of Nebraska & UF	DOE (ARRA)	Building Energy Efficient Homes for America (BEEHA) - Funding is between \$1.5 to \$7.5M depending on performance			\$1,000,000
128	Christou G	UF	NSF	Collaborative Research: Molecular Spintronics With Single-Molecule Magnets	4/19/2010	4/30/2011	\$65,621
129	Christou G	UF	NSF	Transition Metal Clusters As Single-Molecule Magnets	7/20/2010	8/31/2011	\$174,000
130	Cohen M J	UF	NSF	Collaborative Research: Controls On Delivery And Fate Of Water, Nitrogen And Calcium In A Spring Fed Karst River	4/2/2010	2/28/2011	\$64,991
131	Chung J. N.	UF	DOE ARPA-E	Nanoengineered Membrane-Based Absorption Cooling System for Building Energy Efficiency using Solar Energy and Waste Heat	9/1/2010	8/31/2012	\$1,100,000

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132	Crane Iii C D	UF	US DOE	University Research Program For Robotics (Urpr): Robotics Technology Development Program	10/8/2009	8/31/2011	\$167,300
133	De Crecy-Lagard V	UF	US DOE	Phylogenomics - Guided Validation Of Function For Conserved Unknown Genes	10/1/2009	8/31/2010	\$142,249
134	Deumens E	UF	NSF	S2i2 Workshop: Electronic And Vibrational Structure And Dynamics	8/13/2010	7/31/2011	\$17,580
135	Dixon W E	UF	US DOE	University Research Program For Robotics (Urpr): Robotics Technology Development Program	10/8/2009	8/31/2011	\$45,000
136	Dixon W E	UF	NSF	REU: Implicit Learning-Based Optimal Control Of Uncertain Nonlinear Systems	4/29/2010	7/31/2012	\$6,000
137	Dorsey A T	UF	NSF	Theoretical Condensed Matter Physics	11/16/2009	11/30/2010	\$86,000
138	Duran R	UF	NSF	Us-Brazil Workshop On Functional And Nanomaterials; Sao Paulo, Brazil, August 2009 (Participant Support)	5/19/2010	3/31/2011	\$2,280
139	Ebrahimi F	UF	NSF	REU Supplement: Ultrafine-Grained Tia1-Based Alloys For High Temperature Applications	5/11/2010	8/31/2011	\$9,423
140	Ebrahimi F	UF	NSF	Ultrafine-Grained Tia1based Alloys For High Temperature Applications	7/26/2010	8/31/2011	\$125,000
141	Eisenstadt W R	UF	NSF	Collaborative Research: Energy Award Millimeter Wireless Data Communications In Multicore Systems	9/16/2010	8/31/2013	\$295,000
142	Entezari A	UF	NSF	Cif: Small: Multidimensional Signal Processing With Box Splines	9/22/2010	8/31/2013	\$334,276
143	Fan Z H	UF	NSF	Pire: Collaborations With Japan And France On Complex And Multiphase Fluid Technologies	7/30/2010	6/30/2011	\$73,147
144	Field R D	UF	US DOE	Task T2: Research In High Energy Physics (Experimental And Theoretical) Together With Quarknet Educational Outreach	9/22/2010	6/30/2011	\$212,691
145	Field R D	UF	US DOE	Task T2: Research In High Energy Physycs (Experimental And Theoretical) Together With Quarknet Educational Outreach	9/22/2010	6/30/2011	\$222,169

#	Faculty	University	Source/Agency	Project Title	Start Date	End Date	Amount
146	Fortes J A	UF	NSF	Center For Autonomic Computing	1/7/2010	12/31/2011	\$79,000
147	Fortes J A	UF	NSF	Autonomic Middleware For Self-Protection, Data Transfers, And Anomaly Analytics As A Service	8/12/2010	6/30/2011	\$135,000
148	Fortes J A	UF	NSF	Collaborative Research: Adaptive It Appliance For Collaborative Review Of Child-Death Cases	9/22/2010	8/31/2011	\$120,000
149	Fortes J A	UF	NSF	Collaborative Research, Ii-New: An Instrumented Data Center Infrastructure For Research On Cross-Layer Autonomics	6/30/2010	9/30/2011	\$90,000
150	Fortes J A	UF	NSF	REU Supplement: Center For Autonomic Computing	8/20/2010	12/31/2011	\$8,000
151	Foster J S	UF	NASA	Molecular And Metabolic Mechanisms Of Carbon Sequestrations In Marine Thrombolites	8/9/2010	7/31/2011	\$30,000
152	Frierson H T	UF	NSF	Institutional Allowance: Graduate Research Fellowship (Stipends Only)	1/5/2010	10/31/2012	\$600,000
153	Frierson H T	UF	NSF	Graduate Research Fellowship (Cost Of Education)	1/5/2010	10/31/2012	\$212,000
154	Frierson H T	UF	NSF	Sbes Alliance Collaborative Research & Atlantic Coast (Participant Support)	5/4/2010	5/31/2011	\$117,500
155	Frierson H T	UF	NSF	Sbes Alliance Collaborative Research & Atlantic Coast	5/4/2010	5/31/2011	\$90,750
156	Frierson H T	UF	NSF	Institutional Allowance: Graduate Research Fellowship (Stipends Only)	8/19/2010	10/31/2012	\$810,000
157	Frierson H T	UF	NSF	Graduate Research Fellowship (Cost Of Education)	8/19/2010	10/31/2012	\$221,228
158	Furic I K	UF	US DOE	Task J: Research In High Energy Physics (Experimental And Theoretical) Together With Quarknet Educational Outreach	9/22/2010	6/30/2011	\$82,000
159	George A D	UF	NSF	NSF Center For High-Performance Reconfigurable Computing "CHREC"	11/20/2009	12/31/2010	\$70,000

#	Faculty	University	Source/Agency	Project Title	Start Date	End Date	Amount
160	George A D	UF	NSF	CR NSF FLOWDOWN"CHREC" Membership Fees	1/29/2010	12/31/2010	\$33,268
161	George A D	UF	NSF	NSF Center For High-Performance Reconfigurable Computing "CHREC"	5/20/2010	12/31/2010	\$30,000
162	George A D	UF	NSF	CR NSF FLOWDOWN"CHREC" Membership Fees	3/2/2010	12/31/2010	\$33,268
163	George A D	UF	NSF	CR NSF FLOWDOWN"CHREC" Membership Fees	3/18/2010	12/31/2010	\$33,268
164	George A D	UF	NSF	CR NSF FLOWDOWN"CHREC" Membership Fees	3/18/2010	12/31/2010	\$35,018
165	George A D	UF	NSF	CR NSF FLOWDOWN"CHREC" Membership Fees	5/20/2010	12/31/2010	\$35,018
166	George A D	UF	NSF	CR NSF FLOWDOWN"CHREC" Membership Fees	5/20/2010	12/31/2010	\$34,931
167	George A D	UF	NSF	CHREC REU SUPPLEMENT:NSF Center For High Performance Reconfigurable Computing (CHREC) AT FLORIDA"	7/22/2010	12/31/2011	\$16,000
168	George A D	UF	NSF	CR NSF FLOWDOWN"CHREC" Membership Fees	7/22/2010	12/31/2011	\$35,018
169	George A D	UF	NSF	NSF Center For High-Performance Reconfigurable Computing "CHREC"	8/19/2010	12/31/2011	\$70,000
170	George A D	UF	NSF	CR NSF FLOWDOWN"CHREC" Membership Fees	9/17/2010	12/31/2011	\$35,169
171	George A D	UF	NSF	CR NSF FLOWDOWN"CHREC" Membership Fees	9/17/2010	12/31/2011	\$33,268
172	George A D	UF	NSF	CR NSF FLOWDOWN"CHREC" Membership Fees	9/17/2010	12/31/2011	\$66,535
173	George A D	UF	NSF	CR NSF FLOWDOWN"CHREC" Membership Fees	9/17/2010	12/31/2011	\$66,535
174	Gilbert, R.A.	UF	US DOE	Hendry County sustainable biofuels center	9/1/2010	2/1/2013	\$925,000
175	Glover J	UF	NSF	The South East Alliance For Graduate Education And The Professoriate	10/20/2009	2/28/2010	\$10,000

#	Faculty	University	Source/Agency	Project Title	Start Date	End Date	Amount
176	Glover J	UF	NSF	The South East Alliance For Graduate Education And The Professoriate	1/29/2010	1/25/2011	\$599,077
177	Glover J	UF	NSF	The South East Alliance For Graduate Education And The Professoriate	1/29/2010	1/25/2011	\$85,923
178	Glover J	UF	NSF	The South East Alliance For Graduate Education And The Professoriate	4/19/2010	1/25/2011	\$15,000
179	Greenslet H Y	UF	NSF	Magnetic Field Assisted Nanomachining Of Ultraprecision Surfaces	3/11/2010	4/30/2013	\$374,176
180	Greenslet H Y	UF	NSF	REU: Surface Functionalization By Magnetic Field Assisted Finishing	2/8/2010	8/31/2012	\$6,000
181	Greenslet H Y	UF	NSF	Surface Functionalization By Magnetic Field Assisted Finishing	4/6/2010	8/31/2012	\$11,958
182	Guo J	UF	NSF	Shf: Small:Collaborative Research: Architecting Technology Enabled Phase Change Memory Systems	9/9/2010	8/31/2013	\$58,440
183	Hafitka R T	UF	NASA	Uncertainty Propagation In The Analysis And Design Of Integrated Thermal Protection System	4/1/2010	12/31/2010	\$58,528
184	Haghighat A	UF	US DOE	Doe Fellowships/Scholarships 2010 - Monterial Mateusz Scholarship	9/3/2010	8/9/2011	\$5,000
185	Hahn D W	UF	US DOE	Novel Magnetically Fluidized Bed Reactor Development For The Looping Process: Coal To Hydrogen Production R&D	4/5/2010	9/30/2011	\$1,250,000
186	Hanson A D	UF	US DOE	Phylogenomics - Guided Validation Of Function For Conserved Unknown Genes	10/1/2009	8/31/2010	\$97,751
187	Hatfield K	UF	US DOE	Novel Sensor For The In situ Measurement Of Uranium Fluxes	7/7/2010	6/14/2011	\$310,867
188	Heaney J	UF	FL DEP	Conserve FL Water Clearinghouse	6/1/2010	5/31/2011	\$350,000
189	Hebard A F	UF	NSF	Physics Of Proximate Metallic And Insulating Phases	9/1/2010	8/31/2011	\$130,000
190	Hershfield S P	UF	NSF	REU Site: Materials Physics At The University Of Florida	2/3/2010	3/31/2010	\$22,275

#	Faculty	University	Source/Agency	Project Title	Start Date	End Date	Amount
191	Hershfield S P	UF	NSF	REU Site: Materials Physics At The University Of Florida (Participant Support)	3/8/2010	3/31/2011	\$99,600
192	Hershfield S P	UF	NSF	REU Site: Materials Physics At The University Of Florida	3/8/2010	3/31/2011	\$20,400
193	Hirata S	UF	US DOE	Breakthrough Design And Implementation Of Many Theories For Electron Correlation	7/15/2010	10/31/2011	\$113,186
194	Hirata S	UF	NSF	Career: Quantum Chemistry Of Macromolecules	12/16/2009	3/31/2011	\$120,000
195	Hirata S	UF	NSF	Si2-Sse: Adaptive Software For Quantum Chemistry	9/15/2010	9/16/2010	\$391,079
196	Hirschfeld P J	UF	NSF	Disorder And Emergence Of Inhomogeneous Phases In Strongly Correlated Electron Systems	9/21/2010	9/30/2011	\$90,000
197	Holloway P H	UF	US DOE	Very High Efficiency, Hybrid Organic-Inorganic Photovoltaic Cells	8/20/2010	7/31/2011	\$68,954
198	Hong S	UF	NSF	Self-Assembled Catalysts For Asymmetric Ring Opening Reactions	2/9/2010	1/31/2011	\$140,000
199	Horenstein N A	UF	NSF	Biosynthesis Of Azasugars. Deoxynojirimycin	8/26/2010	8/31/2011	\$169,764
200	Horenstein N A	UF	NSF	Biosynthesis Of Azasugars. Deoxynojirimycin Participant Support Stipend	8/27/2010	8/31/2011	\$4,000
201	Ihas G G	UF	NSF	Materials World Network: Collaborative Research On Simple Forms Of Quantum Turbulence - Production, Decay And Visualized	9/3/2010	8/31/2011	\$79,937
202	Ihas G G	UF	NSF	Materials World Network: Collaborative Research On Simple Forms Of Quantum Turbulence - Production, Decay And Visualized	9/3/2010	8/31/2011	\$45,063
203	Ingersent K	UF	NSF	REU Site: Materials Physics At The University Of Florida	1/26/2010	3/31/2010	\$46,094
204	Ingersent K	UF	NSF	Materials World Network - Collaborative Research: Decoherence, Correlations And Spin Effects In Nanostructured Materials	7/6/2010	8/31/2011	\$91,000

#	Faculty	University	Source/Agency	Project Title	Start Date	End Date	Amount
205	Ingram L O	UF	US DOE	Florida Renewable Energy Program	1/26/2010	2/28/2011	\$713,625
206	Ingram L O	UF	US DOE	Florida Renewable Energy Program	9/21/2010	2/28/2012	\$1,000,000
207	Ingram L O	UF	Bioenergy Int.	Biomass conversion to organic acids			\$600,000
208	Ingram L O	UF	Verenium	BCI Sponsored ethanol research			\$250,000
209	Jiang P	UF	NSF	Scalable Self-Assembly Of Colloidal Nanoparticles	8/4/2010	7/31/2011	\$80,001
210	Jokela E J	UF	NSF	NSF CENTER FOR ADVANCED FORESTRY SYSTEMS	7/23/2010	6/30/2010	\$75,000
211	Jones K	UF	US DOE ARPA-E	Solid-State All Inorganic Rechargeable Lithium Batteries	3/1/2010	7/4/1905	\$250,000
212	Jones K	UF	Sandia	Ge Nanowire Anodes for Solid State Li Ion Batteries	3/24/2010	7/3/1905	\$75,000
213	Jones J L	UF	NSF	Career Supplement: Undergraduate National Laboratory Summer Research: Uf- Sandia Labs Nanoscience Initiative	5/24/2010	7/31/2013	\$11,193
214	Jones P H	UF	US DOE	Weatherization Assistance Program Training Center Award.	9/20/2010	9/7/2012	\$979,421
215	Jones P H	UF	FL DCA (ARRA)	Weatherization Assistance Program Evaluation			\$452,769
216	Jones P H	UF	US DOE	Energy Tracking Software Platform			\$19,843
217	Keyhani N O	UF	CRDF	Application of Asian Citrus Psyllid Diaphorina citri tissue culture lines	4/1/2010	3/31/2100	\$57,637
218	Kahveci T	UF	NSF	Career: New Technologies For Querying Pathways Databases	2/23/2010	1/31/2011	\$78,697
219	Kiker G A	UF	NASA	Understanding And Predicting The Impact Of Climate Variabil Ity And Climate Change On Land Use And Land Cover Change	2/16/2010	4/30/2010	\$6,099
220	Kiker G A	UF	NASA	Understanding And Predicting The Impact Of Climate Variabil Ity And Climate Change On Land Use And Land Cover Change	4/21/2010	4/30/2012	\$75,687
221	Kirst M	UF	US Dept Agr	Mechanism of carbon partitioning regulation by CPG13 in the bioenergy woody crop poplar			\$643,000
222	M. Kirst, G. Peter, J. Davis	UF	AFRI/USDA	Advanced Pine Breeding through Association Genetics and Biotechnology	9/15/2010	9/14/2013	\$495,000
223	Kirst M	UF	Early Career/DOE	A Systems Biology, Whole Genome Association Analysis of the Molecular Regulation of Biomass Growth and Composition in Populus deltoides	8/1/2010	7/31/2015	\$873,327
224	Kirst M	UF	Plant Genome/NSF	Identification and Functional Characterization of Insect Resistance Genes in Poplar Using Forward Genetics	8/16/2009	8/15/2012	\$96,927

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225	Klausner J F	UF	US DOE	Novel Magnetically Fluidized Bed Reactor Development For The Looping Process: Coal To Hydrogen Production R&D	10/26/2009	9/30/2011	\$105,627
226	Klausner J F	UF	US DOE	Novel Magnetically Fluidized Bed Reactor Development For The Looping Process: Coal To Hydrogen Production R&D	8/11/2010	9/30/2011	\$64,059
227	Klausner J F	UF	NSF	A New Mechanism For Heterogeneous Nucleation In Boiling Systems	2/5/2010	4/30/2013	\$300,000
228	Kleiman V D	UF	US DOE	Conjugated Polyelectrolytes: Disrupted Interactions, Self-Assembled Structures And Hybrid Polymer Solar Photocopy	6/16/2010	3/14/2011	\$75,569
229	Kleiman V D	UF	NSF	REU Site: The Us/South America REU Site In Chemistry And Molecular Biodiversity (Admin)	6/9/2010	4/30/2011	\$18,913
230	Kleiman V D	UF	NSF	REU Site: The Us/South America REU In Chemistry And Molecular Biodiversity (Participant Support)	6/9/2010	4/30/2011	\$108,000
231	Klimenko S G	UF	NSF	Coherent Detection And Reconstruction Of Gravitational Waves bursts	6/30/2010	7/31/2011	\$50,000
232	Konigsberg J	UF	US DOE	Task H: Experimental Research In Collider Physics At Cdf	10/2/2009	2/28/2010	\$25,000
233	Koroly M J	UF	NSF	Outbreak: Opportunities To Use Immersive Tech. To Explore Biotechnology Resources, Career Ed & Knowledge	7/2/2010	8/31/2011	\$24,848
234	Kury Ted	UF	FSU/US DOE	Economic Development Study for FECC	11/15/2009	2/5/2010	\$55,994
235	Ladd A J	UF	US DOE	Multiscale Modeling Of Dissolution In Rough Fractures	10/26/2009	8/31/2010	\$194,327
236	Ladd A J	UF	US DOE	Multiscale Modeling Of Dissolution In Rough Fractures	7/22/2010	8/31/2011	\$167,752
237	Lan G	UF	NSF	Theory And Applications Of Stochastic First-Order Methods For Large Scale Stochastic Convex Optimization	4/29/2010	4/30/2013	\$200,000
238	Lear William	UF	UNF/DOE	New MEA Materials for Improved DMFC Performance	1/1/2010	6/30/2012	\$170,952
239	Lear William	UF	UNF/DOE	Advanced Direct Methanol Fuel Cell for Mobile Computing	1/2/2010	12/31/2011	\$100,000

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240	Li T	UF	NSF	SHF: Small: Collaborative Research: Architecting Technology Enabled Phase Change Memory Systems	9/9/2010	8/31/2013	\$116,560
241	Li Y	UF	US DEPT OF AG	Role Of Cover Crops And Biofuel Coproducts For Enhancing Carbon Sequestration In Vegetable Production System	10/1/2009	9/30/2010	\$30,000
242	Jenshan Lin	UF	LSI	Digital Radio	5/1/2010	4/30/2012	\$35,000
243	Jenshan Lin	UF	Urinary Biosolutions	Smart Bladder Position Detection	3/17/2010	9/30/2010	\$60,393
244	Mack M C	UF	NSF	Collaborative Research: Spatial And Temporal Influences Of Thermokarst Features On Arctic Surface Processes	6/29/2010	8/31/2011	\$5,000
245	Mack M C	UF	NSF	Collaborative Research: Spatial And Temporal Influences Of Thermokarst Features On Arctic Surface Processes	8/4/2010	8/31/2011	\$190,501
246	Manuel M V	UF	NSF	Career: Towards Room Temperature Formability In Magnesium Alloys	3/24/2010	1/31/2011	\$40,000
247	Martin J	UF	NSF	Collaborative Research: Controls On Delivery And Fate Of Water, Nitrogen And Calcium In A Spring Fed Karst River	4/2/2010	2/28/2011	\$69,200
248	Maslov D	UF	NSF	Materials World Network: Control Of The Electron Nuclear Interaction In Nanoelectronic Devices	5/25/2010	7/31/2011	\$85,000
249	Maupin J A	UF	US DOE	Identification Of Proteasome Substrates Of The Haloarchaeon Halferax Volcanii	10/6/2009	7/14/2010	\$126,826
250	Maupin J A	UF	US DOE	Identification Of Proteasome Substrates Of The Haloarchaeon Halferax Volcanii	9/7/2010	7/14/2011	\$131,669
251	McElwee-White L A	UF	NSF	Ccii: Electronic Materials For Beyond Moore's Law	9/22/2010	9/30/2013	\$1,470,480
252	McElwee-White L A	UF	NSF	Ccii: Electronic Materials For Beyond Moore's Law Participant Support Costs	9/22/2010	9/30/2013	\$21,676
253	McElwee-White L A	UF	NSF	Ccii: Electronic Materials For Beyond Moore's Law	9/30/2010	9/30/2013	\$7,844
254	MEI R	UF	US DOE	Novel Magnetically Fluidized Bed Reactor Development For The Looping Process: Coal To Hydrogen Production R&D	4/5/2010	9/30/2011	\$105,698

#	Faculty	University	Source/Agency	Project Title	Start Date	End Date	Amount
255	Mei R	UF	US DOE	Novel Magnetically Fluidized Bed Reactor Development For The Looping Process: Coal To Hydrogen Production R&D	8/11/2010	9/30/2011	\$37,455
256	Micha D A	UF	NSF	Dissipative Quantum Dynamics And Response Of Adsorbates On Solid Surfaces	7/19/2010	7/31/2013	\$367,000
257	Miller S A	UF	NSF	Morphology Control Of Olefin Based Homo- And Copolymers In Catalytic Gas-Phase, Slurry, And Emulsion Polymerization....	9/20/2010	9/30/2011	\$120,000
258	Mitselmakher G	UF	US DOE	Task P: Research In High Energy Physics (Experimental And Theoretical) Together With Quarknet Educational Outreach	9/22/2010	6/30/2011	\$234,267
259	Mitselmakher G	UF	US DOE	Task G: Experimental Research In Collider Physics At Cms	5/7/2010	2/28/2010	\$32,121
260	Mitselmakher G	UF	US DOE	Task G: Experimental Research In Collider Physics At Cms	10/2/2009	2/28/2010	\$134,000
261	Mitselmakher G	UF	US DOE	Task P: Research In High Energy Physics (Experimental And Theoretical) Together With Quarknet Educational Outreach	9/22/2010	6/30/2011	\$1,507,735
262	Moghaddam S	UF	US DOE	Nanoengineered Membrane Based Absorption Cooling For Buildings Using Unconcentrated Solar And Waste Heat	9/28/2010	8/31/2012	\$1,000,531
263	Moore R C	UF	NSF	Cedar: Natural And Rocket-Triggered Lightning In The Mlti (Mesosphere-Lower Thermosphere-Ionosphere) System	1/26/2010	12/31/2010	\$95,525
264	Moore R C	UF	NSF	Collaborative Research: Antarctic Elf/Vlf Observations Of Lightning And Lightning-Induced Electron Precipitation	2/19/2010	2/28/2013	\$239,000
265	Moudgil B M	UF	NSF	Collaborative Research: Joing UFL/CUII/UCRC For Particulate And Surfactant Systems - Pass	4/16/2010	3/31/2011	\$88,500
266	Myers B E	UF	NSF	Sequencing Gators: Building A Genome Science Curriculum At The University Of Florida And Beyond	2/24/2010	5/14/2011	\$50,550
267	Narayanan R	UF	NSF	Pire: Collaborations With Japan And France On Complex And Multiphase Fluid Technologies	7/30/2010	6/30/2011	\$246,330
268	Narayanan R	UF	NSF	Travel Grant For The Fifth International Workshop In Interfacial Fluid Mechanics And Transport Processes - Ima 5	8/5/2010	7/31/2011	\$7,000

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269	Nino J C	UF	US DOE	Multi-User Thermophysical Characterization Systems For Neup Research, Training And Education	9/1/2010	8/31/2011	\$162,435
270	Nino J C	UF	NSF	Career: Fundamental Structure-Dielectric Property Relationships Of Pyrochlore Ceramics	6/30/2010	7/31/2012	\$80,002
271	Norton D P	UF	NSF	Acceptor Doping And Hole Transport In ZnO Films And Heterostructures	6/2/2010	5/31/2011	\$132,680
272	Ogram A V		NSF	Collaborative Research: Shifting Pathways Toward Methane In Nutrient Impacted Tropical And Sub-Tropical Wetlands	6/1/2010	7/31/2012	\$13,750
273	Osenberg C W		NSF	IGERT: Spatial Ecology And Evolution: Quantitative Training in Biology, Statistics And Mathematics	7/7/2010	8/31/2011	\$115,544
274	Osenberg C W		NSF	IGERT: Spatial Ecology And Evolution: Quantitative Training in Biology, Statistics And Mathematics	7/7/2010	8/31/2011	\$483,619
275	Page L M		NSF	Collaborative Pbi: All Cypriniformes Species-Phase Ii Of An Inventory Of The Otophysi-Participant Support	9/21/2010	7/2/2011	\$35,000
276	Patterson B R		NSF	Topological Grain Growth: 3d Simulation And Experimental Investigation	3/26/2010	8/31/2010	\$152,362
277	Patterson B R		NSF	Topological Grain Growth: 3d Simulation And Experimental Investigation	7/20/2010	8/31/2011	\$150,000
278	G. Peter, E. Jokela, T. Martin, J. Davis	UF	University Cooperative Research Centers Program/NSF	Center for Advance Forestry Systems	8/15/10	8/14/15	\$250,000
279	Petrasch J	UF	US DOE	Novel Magnetically Fluidized Bed Reactor Development For The Looping Process: Coal To Hydrogen Production R&D	4/5/2010	9/30/2011	\$112,549
280	Petrasch J	UF	US DOE	Novel Magnetically Fluidized Bed Reactor Development For The Looping Process: Coal To Hydrogen Production R&D	8/11/2010	9/30/2011	\$35,607
281	Preston J F	UF	USDA	Targeting plant cell wall degrading enzymes to mitigate pathogenesis of X. axonopodis pv. citri	2/5/2010	6/30/2011	\$84,980
282	Pullammanappalli P	UF	Enterprise Minnesota	Concept and feasibility studies for biogasification of various organic residues and wastes	5/10/2010	1/31/2011	\$36,000

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283	Pullammanappalli I P	UF	Harvest Power	Thermophilic and hyper-thermophilic two-stage high solids anaerobic digestion of source separated organic waste: Phase 1	4/5/2010	7/30/2010	\$26,812
284	Pullammanappalli I P	UF	American Chemical Society	Effect of bulking additive on biochemical conversion of biomass of high-solids fermentors	1/1/2012	8/31/2012	\$49,659
285	Ramond P	UF	US DOE	Task A: Research In Theoretical Elementary Particle Physics	10/2/2009	2/28/2010	\$37,500
286	Ramond P	UF	US DOE	Task T1: Research In High Energy Phsyics (Experimental And Theoretical) Together With Quarknet Educational Outreach	9/22/2010	6/30/2011	\$270,140
287	Ray H	UF	US DOE	Task P3 Research In Theoretical Elementary Particle Physics	10/13/2009	2/28/2010	\$105,000
288	Ray H	UF	US DOE	Task P3: Research In High Energy Phsyics (Experimental And Theoretical) Together With Quarknet Educational Outreach	9/22/2010	6/30/2011	\$146,999
289	Reddy K R	UF	NSF	Collaborative Research: Shifting Pathways Toward Methane In Nutrient Impacted Tropical And Sub-Tropical Wetlands	3/22/2010	7/31/2012	\$200,084
290	Reitze D H	UF	NSF	Development Of High Power Laser Components And In Situ Contamination Monitoring For Future Terrestrial gW Detectors	5/10/2010	6/30/2011	\$120,000
291	Reynolds J R	UF	US DOE	Conjugated Polyelectrolytes: Disrupted Interactions, Self-Assembled Structures And Hybrid Polymer Solar Photocopy	6/16/2010	3/14/2011	\$127,635
292	Reynolds J R	UF	US DOE	Very High Efficiency, Hybrid Organic-Inorganic Photovoltaic Cells	8/26/2010	7/31/2011	\$67,616
293	Reynolds J R	UF	US DOE - UNIV OF NC	Next Generation Photovoltaics - Efrc	10/1/2009	7/31/2010	\$59,602
294	Sadler T D	UF	NSF	Outbreak: Opportunities To Use Immersive Technologies To Explore Biotechnology Resources, Career Ed & Knowledge	7/2/2010	8/31/2011	\$361,269
295	Sahni S K	UF	NSF	Nets: Medium: Collaborative Research: Building An Intelligent Uncertainty-Resilient Detection And Tracking ..	5/6/2010	5/31/2011	\$80,889
296	Sanders B A	UF	US DOE	Super Instruction Architecture For Scalable Parallel Computations	3/15/2010	8/31/2010	\$75,920

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297	Sanders B A	UF	US DOE	Super Instruction Architecture For Scalable Parallel Computations	9/3/2010	8/31/2011	\$106,496
298	Sankar B V	UF	NASA	Probabilistic Micromechanics For Ceramic Matrix Textile Composites (Student: Marlana Behnke)	6/30/2010	6/30/2011	\$30,000
299	Sankar B V	UF	NASA	Uncertainty Propagation In The Analysis And Design Of Integrated Thermal Protection System	4/1/2010	12/31/2010	\$70,320
300	Sawyer W G	UF	NSF	Tribology: Understanding Friction, Lubrication And Wear Across the Scales	2/5/2010	2/28/2011	\$1,474
301	Schanze K S	UF	US DOE	Conjugated Polyelectrolytes: Disrupted Interactions, Self-Assembled Structures And Hybrid Polymer Solar Photocopy	6/16/2010	3/14/2011	\$191,796
302	Schanze K S	UF	US DOE	Very High Efficiency, Hybrid Organic-Inorganic Photovoltaic Cells	8/26/2010	7/31/2011	\$67,617
303	Schanze K S	UF	US DOE	Conjugated Polyelectrolytes: Disrupted Interactions, Self-Assembled Structures And Hybrid Polymer Solar Photocopy	9/7/2010	3/14/2010	\$486
304	Schanze K S	UF	US DOE - UNIV OF NORTH CAROLINA	Solar Fuels And Next Generation Photovoltaics - EFRC	10/1/2009	7/31/2010	\$59,603
305	Scharf M	UF	USDA	Functional characterization of novel target sites for re	3/1/2010	2/28/2013	549,552
306	Schaub D A	UF	US DOE	Industrial Assessment Center	1/26/2010	8/31/2011	\$100,000
307	Schmink M	UF	NSF	Doctoral Dissertation Research: Determining The Role Of Market Opportunities On Livelihood Strategies And Knowledge Gen	8/18/2010	8/31/2011	\$14,978
308	Schmitz T L	UF	NSF	Workshop: Uncertainty In Machining: Washington, Dc; February 24 - 26	11/25/2009	11/30/2010	\$12,919
309	Schmitz T L	UF	NSF	Workshop: Uncertainty In Machining: Washington, Dc; February 24 - 26	11/25/2009	11/30/2010	\$36,400
310	Schneider M P	UF	NSF	Iii: Small: Spal3d -- Design And Implementation Of A Type System For Three-Dimensional Spatial Data In Databases	7/13/2010	8/31/2011	\$110,114
311	Schneider M P	UF	NASA	Moving Objects Database Technology For Weather Event Analysis And Tracking	4/19/2010	4/30/2012	\$123,661

#	Faculty	University	Source/Agency	Project Title	Start Date	End Date	Amount
312	Schneider M P	UF	NASA	Moving Objects Database Technology For Weather Event Analysis And Tracking	7/15/2010	4/30/2012	\$127,706
313	Schubring D	UF	US DOE	Doe Fellowships_Scholarships - Fellowship For Matt Marzano	9/3/2010	8/9/2013	\$150,000
314	Schuur T	UF	NSF	Collaborative Research: Rcn: Vulnerability Of Permafrost Carbon	6/2/2010	5/31/2011	\$50,569
315	Schuur T	UF	NSF	Dissertation Research: Carbon Cycle Changes In A Changing Climate: Using 13c And 14c To Partition Ecosystem . . .	6/28/2010	6/30/2011	\$14,941
316	Schuur T	UF	NSF	Career: Permafrost Thawing The Loss Of Old Carbon In Alaskan Tundra: An Experimental Ecosystem Warming Approach For Unde	5/5/2010	2/28/2011	\$72,542
317	Schuur T	UF	NSF	Career: Permafrost Thawing The Loss Of Old Carbon In Alaskan Tundra: An Experimental Ecosystem Warming Approach For Unde	5/5/2010	2/28/2011	\$57,457
318	Schuur T	UF	NSF	Collaborative Research: Rcn: Vulnerability Of Permafrost Carbon	6/2/2010	5/31/2011	\$45,125
319	Sheplak M	UF	NASA	Mems Capacitive Shear Stress Sensor And Supporting Instrumentation (Gsrp Fellowship For Jessica Meloy)	6/30/2010	5/31/2011	\$30,000
320	Sinclair J S	UF	NSF	Pire: Collaborations With Japan And France On Complex And Multiphase Fluid Technologies	7/30/2010	6/30/2011	\$79,810
321	Sinnott S B	UF	NSF	Tribology: Understanding Friction, Lubrication And Wear Across the Scales	2/4/2010	2/28/2011	\$1,474
322	Sinnott S B	UF	NSF	Tribology: Understanding Friction, Lubrication And Wear Across the Scales	2/5/2010	2/28/2011	\$4,552
323	Sinnott S B	UF	NSF	Computational Investigation Of The Chemical Modification Of Polymers And Organic Thin Films By Particle Deposition	5/24/2010	7/31/2011	\$131,617
324	Slatton K C	UF	NSF	Collaborative Research: High Resolution Sensor Networks For Quantifying And Predicting Surface-Groundwater Mixing.....	12/21/2009	7/31/2011	\$88,539
325	So F	UF	US DOE	Luminescence In Conjugated Molecular Materials Under Sub- Bandgap Excitations	8/30/2010	5/31/2011	\$160,000

#	Faculty	University	Source/Agency	Project Title	Start Date	End Date	Amount
326	So F	UF	US DOE	High Efficiency Organic Light Emitting Devices For Lighting	2/1/2010	12/31/2010	\$120,000
327	Sollenberger Lynn	UF	USDA-NIFA	Reproduction, Mechanisms of Spread, and Control Strategies for Elephantgrass, a Candidate Biomass Crop in the Caribbean Region	9/1/2010	9/31/12	\$120,000
328	Stanton C J	UF	NSF	Coherent Phonon Dynamics In Semiconductor Nanostructures And nanotubes	12/7/2009	11/30/2010	\$90,000
329	Stewart G R	UF	US DOE	Fe Pnictide And F-Electron Novel Materials: Magnetism, Superconductivity, And Quantum Criticality	10/27/2009	11/30/2010	\$150,000
330	Subhash G	UF	NSF	Goali: Monotonic And Cyclic Response Of Plastically Graded Surfaces Subject To Rolling Contact Fatigue	10/21/2009	8/31/2012	\$148,113
331	Sullivan N	UF	NSF	National High Magnetic Field Laboratory (supplement)	8/15/2009	12/31/10	\$112,468
332	Sullivan N	UF	NSF	Revitalization of UF Helium Liquefaction and Recovery System	9/1/2010	8/31/13	\$1,834,243
333	Talham D R	UF	NSF	Magnetic And Photomagnetic Coordination Polymer Heterostructures	6/30/2010	6/30/2011	\$130,000
334	Talham D R	UF	NSF	Mri: Acquisition Of A Maldi Tof-Tof Mass Spectrometer	10/1/2010	9/30/2013	\$273,827
335	Tanner D B	UF	US DOE	Time-Resolved Far-Infrared Experiments: Implications For Nanotechnology	10/1/2009	8/14/2010	\$165,000
336	TANNER D B	UF	US DOE	Task N: Research In High Energy Physics (Experimental And Theoretical) Together With Quarknet Educational Outreach	9/22/2010	6/30/2011	\$71,793
337	TANNER D B	UF	US DOE	Time-Resolved Far-Infrared Experiments: Implications For Nanotechnology	8/3/2010	5/14/2011	\$165,000
338	Tanner D B	UF	US DOE	Task N: Research In High Energy Physics (Experimental And Theoretical) Together With Quarknet Educational Outreach	9/22/2010	6/30/2011	\$23,207
339	Trickey S B	UF	US DOE	Tms: Orbital-Free Quantum Simulation Methods For Application to Warm Dense Matter	10/6/2009	8/31/2010	\$425,000
340	Trickey S B	UF	US DOE	Tms: Orbital-Free Quantum Simulation Methods For Application to Warm Dense Matter	8/3/2010	8/31/2011	\$425,000

#	Faculty	University	Source/Agency	Project Title	Start Date	End Date	Amount
341	Triplett E	UF	NSF	Sequencing Gators: Building A Genome Science Curriculum At The University Of Florida And Beyond	2/22/2010	5/14/2011	\$120,483
342	Tulenko J S	UF	US DOE	University Research Program For Robotics (Urpr): Robotics Technology Development Program	10/8/2009	8/31/2011	\$156,500
343	Uman M A	UF	NASA	Lightning Research And Testing At Camp Blanding, Florida	4/2/2010	3/29/2011	\$58,419
344	Vasenkov S	UF	NSF	Career: Fundamentals Of The Relationship Between Pore Structure And Transport Of Light Gases In Materials With A Hierarchy	4/13/2010	3/31/2015	\$400,000
345	Vasenkov S	UF	NSF	Collaborative Research: Molecular Modeling And Experimental Investigation Of The Structure And Dynamics Of Confined Ions	6/1/2010	6/30/2011	\$55,418
346	Vasenkov S	UF	NSF	Inducing Molecular Single File Diffusion By Co-Adsorption In one-Dimensional Channels For Gas Separations And Catalysis	9/16/2010	8/31/2011	\$34,570
347	Veige A S	UF	NSF	New Group Vi Catalysts For Nitrile-Akalyne Cross Metathesis (Nacm): Design, Synth And Appl Of Trianionic Pincer Ligands	4/9/2010	3/31/2013	\$114,000
348	Vendrame W A	UF	BioServe	Exploring microgravity for improvement of Jatropha curcas (physic nut), a biofuel plant	6/1/2010	5/31/2011	\$80,000
349	Vendrame W A	UF	Vecenergy	Effects of microgravity in cell structure, growth, and gene expression of Jatropha curcas	6/1/2010	5/31/2011	156, 875
350	Vendramini Joao	UF	Southeast Dairy Inc.	Additive and inoculant effects on Tifton 85 and Mulato haylage	7/1/2010	7/1/2011	\$13,850
351	Vermerris W	UF	US DOE	Genetic Dissection Of Brown Midrib Sweet Sorghum, A Dual-Source Feedstock For Ethanol Productions	10/1/2009	2/28/2011	\$250,000
352	Wagener K B	UF	NSF	The Preparation And Characterization Of Refined And Complex Polyolefin Structures	5/18/2010	6/30/2012	\$276,000
353	Wagener K B	UF	NSF	Morphology Control Of Olefin Based Homo- And Copolymers In Catalytic Gas-Phase, Slurry, And Emulsion Polymerization....	9/20/2010	9/30/2011	\$120,000
354	Weaver J F	UF	US DOE	Growth And Reactivity Of Oxide Phases On Crystalline Pd And Pt Surfaces	11/2/2009	8/31/2010	\$151,032

#	Faculty	University	Source/Agency	Project Title	Start Date	End Date	Amount
355	Weaver J F	UF	US DOE	Growth And Reactivity Of Oxide Phases On Crystalline Pd And Pt Surfaces	9/24/2010	8/31/2011	\$200,090
356	Weaver J F	UF	NSF	International Collaboration In Chemistry: Oxidation Chemistry Of Model Rare Earth Oxide Surfaces - Factors Determining	9/21/2010	9/30/2013	\$500,000
357	Wu D	UF	NSF	Career: Delay-Constrained Wireless Networking: Where Shannon Meets Erlang	6/11/2010	8/31/2011	\$86,815
358	Wu D	UF	NSF	REU Supplement: Career: Delay Constrained Wireless Networking where Shannon Meets Erlang	6/14/2010	8/31/2011	\$16,000
359	Xie Huikai	Virginia Tech, UF, UT-Dallas	US DOE ARPA-E	Magnetics/Capacitors - Consumer Electronics: Isolated Converter with Integrated Passives and Low Material Stress (Total \$900K)			\$300,000
360	Xue J	UF	US DOE	Very High Efficiency, Hybrid Organic-Inorganic Photovoltaic Cells	8/12/2010	7/31/2011	\$95,813
361	Xue J	UF	US DOE	Top-Emitting White Oleds With Ultrahigh Light Extraction Efficiency	9/20/2010	12/31/2010	\$104,999
362	Yelton J M	UF	US DOE	High Energy Experimental And Theoretical Research	5/21/2010	6/30/2011	\$148,138
363	Yelton J M	UF	US DOE	High Energy Experimental And Theoretical Research	5/21/2010	6/30/2011	\$416,862
364	Yelton J M	UF	US DOE	Casimir Forces & Non-Contact Dissipative Interactions Between Surfaces In Microelectromechanical Systems	7/23/2010	8/31/2011	\$113,989
365	Yost R A	UF	US DOE	Integrated Nondestructive Spatial And Chemical Analysis Of Lignocellulosic Materials During Pretreatment And Bioconv...	6/18/2010	8/31/2011	\$84,595
366	Ziegler K J	UF	NSF	Modeling The Charge Transport Of Nanowire-Based Dye-Sensitizing Solar Cells	8/14/2010	7/31/2011	\$107,305
367		UF	NSF	Historical effects of climate change on the biodiversity of Panama	8/14/2010	8/14/2015	\$3,800,000
368	Babu Joseph	USF	Temptroll, LLC	Development of Phase Change Materials	1/1/09	12/31/09	50,000
369	Don Morel	USF	NSF	Developing the Path Toward Realizing the Full Potential of II-VI Based Photovoltaic Materials	8/1/10	7/31/13	299,706

#	Faculty	University	Source/Agency	Project Title	Start Date	End Date	Amount
370	Yogi Goswami	USF	DOE	Development and Demonstration of an Innovative Thermal Energy Storage system for Base load Solar Power Generation”	1/1/10	12/31/10	3,897,487
371	Yogi Goswami	USF	E-ON Research initiative	Latent Thermal Energy Storage System for concentrating Solar Power Plants.	1/1/11	12/31/13	814,108
372	Shekhar Bhansali	USF	NSF-CMMI supplement	Fabrication and Test of Nanoscale Rectennas for Energy Conversion	5/1/10	8/1/10	10,000
373	Stanley Russell	USF	DOE	2011 Solar Decathlon	1/1/11	12/31/11	100,000
374	Mark Stewart	USF	TECO Energy/ECT	Geochemical Modeling in Support of Reclaimed Water Treatment Options and Waste Stream Injection into Deep Aquifers	8/1/10	8/31/11	16,000

Total Awards Received: \$84,402,932

3. Publications [\(Back to top\)](#)

During Oct. 1, 2009 to Sep 30, 2010 Period

Total # of Publications 267 (Referred: 190, Other: 77)

#	University	4-a: Refereed Publications
1	FAMU	E. Mezolin, J. A. Johnson III, J. B. Titus, C. T. Raynor, K. M. Williams, C. A. Weatherford, "Evidence of New Turbulence Physics in Madison Symmetric Torus Plasmas using a Second Order Phase Transformation Interpretation," Bulletin of the American Physical Society 54 , 147 (2009).
2	FAMU	Y.M. Shulga, V.M. Martynenko, S.A. Baskakov, A.N. Trukhanenok, E.M. Anokhin, A.V. Maksimych, S.S. Khasanov, K.G. Belay, C.A. Weatherford, G.L. Gutsev, "Synthesis and properties of C ₆₀ fullerite intercalated by acetylene," Chemical Physics Letters 483, 115-119 (2009).
3	FAMU	C. Raynor, E.-D. Mezonlin, J. A. Johnson III, "Critical Turbulent Energy Reductions in Plasmas using Weak Magnetic Fields," Journal of Applied Physics, 105 , 043301 (2009)
4	FAMU	D. Wiggins, E. Mezonlin, C. Raynor, Joseph A. Johnson III, "First Evidence of Inverse Bremsstrahlung in Laser Enhanced Laser Induced Plasmas," Bulletin of the American Physical Society, 54 , No. 15, 147 (2009).
5	FAMU	J. B. Titus, Kyron Williams, J. A. Johnson III, E. D. Mezonlin, C. T. Raynor, "Turbulent Parameters during Magnetic Field and Particle Diffusion Fluctuations in the Madison Symmetric Torus," Bulletin of the American Physical Society, 54 , 147 (2009).
6	FAMU	C. T. Raynor, A. B. Alexander, M. Robinson, J. A. Johnson III. "A New Universal Constant in Turbulent Behaviors," Bulletin of the American Physical Society, 54 , 147 (2009).
7	FAMU	M. Robinson, C. T. Raynor, Alonzo, B. Alexander, J. A. Johnson III. "Characteristic Frequencies and Critical Energies in Magnetized Glow Discharge Plasmas," Bulletin of the American Physical Society, 54 , 147 (2009).
8	FAMU	K. M. Williams, J. B. Titus, M. Scott, J. A. Johnson III, A. B. Alexander, C. T. Raynor, "Turbulent Parameters during Magnetic Field and Particle Diffusion Fluctuations in the Madison Symmetric Torus," Bulletin of the American Physical Society, 54 , 147 (2009).
9	FAMU	A. A. I. Khalil, M. Richardson, L. Johnson, and M. A. Gondal, "Titanium Plasma Spectroscopy Studies under Double Pulse Laser Excitation", LASER PHYSICS, 19 (2009).
10	FAMU	G.L. Gutsev, M.D. Mochena, B.C. Saha, C.A. Weatherford, and P.A. Derosa, "Structure and Properties of (GaAs) _n Clusters", Journal of Computational and Theoretical Nanoscience 7 , 254-263 (2010).
11	FAMU	G. L. Gutsev, R. H. O'Neal, Jr., K. G. Belay, C. A. Weatherford, "Non-quantum-confinement behavior of small (CdS) _n clusters", Chemical Physics 368 , 113-120 (2010).
12	FAMU	D.C. Joseph, J-P. Gu, C.A. Weatherford, and B.C. Saha, "Slow Collisions of Si ³⁺ With H," Proceedings of the NSF JAM Conference, p. 29, June 6-9, 2010, Washington, D.C.
13	FAU	James VanZwieten, "Ocean Thermal Energy Capacity Estimation and Resource Assessment of Southeast Florida", Accepted to the Offshore Technology Conference, Houston, TX no. OTC-20559-PP, 5/3-5/6/10
14	FAU	James VanZwieten, "Ocean Thermal Energy Capacity Estimation and Resource Assessment of Southeast Florida", Accepted to the Offshore Technology Conference, Houston, TX no. OTC-20559-PP, 5/3-5/6/10
15	FAU	James VanZwieten, "Station Keeping of Small Outboard-Powered Boats" no. 100115-098, Proceedings of the IEEE Oceans Conference, Sydney, Australia, 5/24-5/27/10

#	University	4-a: Refereed Publications
16	FAU	James VanZwieten , "Global Numerical Analysis of a Moored Ocean Current Turbine Testing Platform", Accepted to the IEEE Oceans Conference, Seattle, WA, 9/20-9/23/10
17	FAU	James VanZwieten , "Determining Anchoring Systems for Ocean Energy Harvesting Devices off the Coast of Southeast Florida", Accepted to the IEEE Oceans Conference, Seattle, WA, 9/20-9/23/10
18	FAU	J.C. Sloan, T.M. Khoshgoftaar, P. Beaujean, F. Driscoll,, "Ocean Turbines – a Reliability Assessment," , International Journal of Reliability, Quality and Safety Engineering, 16, issue 5, pp.1-21,Oct. 2009
19	FAU	M.Mjit, P.-P.J. Beaujean, D. Vendittis, "Remote Health Monitoring for Offshore Machines, using Fully Automated Vibration Monitoring and Diagnostics", Annual Conference of the Prognostics and Health Management Society 2010, Portland, Oregon, October 2010, in print.
20	FAU	J. Sloan, T.M. Khoshgoftaar, P. Beaujean and F. Driscoll, "Ocean Turbines - a Reliability Assessment". International Journal of Reliability, Quality, and Safety Engineering, Vol. 16, pp. 413-433, No. 5, 2009
21	FAU	R. Wald, T.M. Khoshgoftaar, P. Beaujean and J. Sloan , "Combining Wavelet and Fourier Transforms in Reliability Analysis of Ocean Systems." , Proceedings of the 16th ISSAT International Conference on Reliability and Quality in Design, Washington, D.C., pp 303-307, August 5-7, 2010
22	FAU	R. Wald, T.M. Khoshgoftaar,P. Beaujean and J. Sloan "A Review of Prognostics and Health Monitoring Techniques for Autonomous Ocean Systems." , Proceedings of the 16th ISSAT International Conference on Reliability and Quality in Design, Washington, D.C., pp. 308-313., August 5-7, 2010
23	FAU	J. Duhaney, T.M. Khoshgoftaar, A. Agarwal and Sloan, J., , "Mining and Storing Data Streams for Reliability Analysis." , Proceedings of the 16th ISSAT International Conference on Reliability and Quality in Design, Washington, D.C., pp. 314-317.
24	FAU	J. Duhaney, T.M. Khoshgoftaar, I.Cardei, B. Alhalabi and J. Sloan , "Applications of Data Fusion in Monitoring Inaccessible Ocean Machinery." , Proceedings of the 16th ISSAT International Conference on Reliability and Quality in Design, Washington, D.C., pp. 318-323.
25	FAU	Sloan, J., Khoshgoftaar, T.M. and Hanson, H., , "Formalizing Fault Trees for Remote Ocean Systems." , Proceedings of the 16th ISSAT International Conference on Reliability and Quality in Design, Washington, D.C., pp. 324-328., August 5-7, 2010
26	FAU	N. Asseff and H. Mahfuz, "Design and Finite Element Analysis of an Ocean Current Turbine Blade", OCEAN '09 IEEE, Biloxi, MS, October 26-29, 2009
27	FAU	Oge Marques, Hari Kalva, Sagar Aghera, Rafael Giusti, Waazim Reza, Asif Rahman, Erin McMichael, and Jeanette Wyneken , "Automating Aerial Surveys for Sea Turtle Distribution Estimation in Florida East Coast" , Proceedings of EnergyOcean International 2010, Ft. Lauderdale, FL. , 6/1/2010
28	FAU	Hanson, H.P., S.K. Skemp, G.M. Alsenas, C.E. Coley, "Power from the Florida Current: A New Perspective on an Old Vision", Bulletin of the American Meteorological Society, 91, 861-867
29	FSU	Andrei, P., J.P. Zheng , M. Hendrickson, and E.J. Plichta, "Some possible approaches for improving the energy density of Li-air batteries" accepted by J. Electrochem. Soc.
30	FSU	Chatterjee, J., T. Liu, B. Wang , and Jim P. Zheng , "Highly conductive PVA organogel electrolytes for applications of lithium batteries and electrochemical capacitors", Solid State Ionics, 181, 531 (2010).
31	FSU	Choi, Sang Ok, Sang-Seok Bae and Sung-Wook Kwon and Richard C. Feiock "County Limits: Policy Types and Expenditure Priorities" , <i>American Journal of Public Administration</i> 40 (1): 29-45, 2010.

#	University	4-a: Refereed Publications
32	FSU	Cronin, J. Joseph, Jr., Jeffery S. Smith and Edward Ramirez, Sustainability-Oriented Marketing Strategies: An Examination of Stakeholders and the Opportunities They Present,” with third review requested at the <i>Journal of the Academy of Marketing Science</i> .
33	FSU	Cronin, Joseph, Jr. and Jeffery S. Smith “Against the Green: A Multi-Method Examination of the Barriers to Green Consumption,” with J, under review at the <i>Journal of Marketing</i> .
34	FSU	Feiock, Richard C. In Won Lee, Hyung Jun Park, Kyong-Hyung Lee. "Collaboration Networks Among Local Elected Officials: Information, Commitment, and Risk Aversion" <i>Urban Affairs Review</i> 47 (2), forthcoming 2010.
35	FSU	Feiock, Richard C., "City Managers' Policy Leadership in Council-Manager Cities," with Yahong Zhang, <i>Journal of Public Administration Research and Theory</i> 20: 461 – 476, 2010.
36	FSU	Hawkins, Chris and Richard C. Feiock “Joint Ventures, Development Policy, and the Role of Local Governing Institutions,” <i>American Journal of Public Administration</i> , forthcoming, 2011.
37	FSU	Horner, M.W., Zhao, T., and Chapin, T.S. (under review). Towards an integrated GIScience and energy research agenda: Reflections on potentials and opportunities in the pursuit of energy sustainability. <i>The Annals of the Association of American Geographers</i> .
38	FSU	Horner, Zhao, and Chapin, journal manuscript submitted to <i>the Annals of the Association of American Geographers</i>
39	FSU	Huang, Alex, Mariesa Crow, Gerald Heydt, Jim Zheng, Steiner Dale, Yu Liu, “The Future Renewable Electric Energy Delivery and Management (FREEDM) System: The Energy Internet”, accepted by Proceedings of the IEEE.
40	FSU	Isaac, M., Ryvkin, D., Norton, D. "Behavior in a Dynamic Environment with Costs of Climate Change and Heterogeneous Technologies: an Experiment, with Dmitry Ryvkin, Research in Experimental Economics," Emerald Press (forthcoming). Vol 14. Eds
41	FSU	Kang, In-Sung and Richard C. Feiock “Politics, Institutions and Comprehensive Planning in Florida Cities: A Spatial Lag Model,” <i>Korea Local Administration Review</i> 80(3): 161-182, 2010.
42	FSU	Kury, T. and J. Harrington. The Marginal Effects of the Price for Carbon Dioxide: Quantifying the Effects on the Market for Electric Generation in Florida. <i>Journal of Electricity</i> , Vol. 23 Issue 4, May 2010
43	FSU	Kwon, Myungjun, Frances Berry and Richard C. Feiock “Understanding the Adoption and Timing of Economic Development Strategies in U.S. Cities Using Innovation and Institutional Analysis," , <i>Journal of Public Administration Research and Theory</i> 19: 967-88, 2009.
44	FSU	Kwon, Sungwook and Richard C. Feiock “Overcoming the Barriers to Cooperation: Intergovernmental Service Agreements,” with Sung-Wook Kwon, <i>Public Administration Review</i> 71, forthcoming 2011.
45	FSU	Kwon, SungWook, In-Won Lee and Richard C. Feiock. “Transaction Cost Politics and Local Service Production,” <i>International Review of Public Administration</i> 14(3): 1-16, 2010.
46	FSU	Lubell, Mark, Richard C. Feiock and Edgar Ramirez. "Local Institutions and the Politics of Urban Growth," with Mark Lubell and Edgar Ramirez, <i>American Journal of Political Science</i> 53(3): 649-665, 2009.
47	FSU	Lubell, Mark, Richard C. Feiock and Susan Handy. "City Adoption of Environmentally Sustainable Policies in California's Central Valley," <i>Journal of the American Planning Association</i> , 75(3): 293-308, 2009.
48	FSU	Lubell, Mark, Richard Feiock and Edgar Ramierz. “Local Institutions and the Politics of Urban Growth,” <i>American Journal of Political Science</i> 53(3): 649-665, 2009.
49	FSU	Manousakis, Efstratios, Photovoltaic effect for narrow-gap Mott insulators, <i>Physical Review B</i> 2010(12)

#	University	4-a: Refereed Publications
50	FSU	McGee, C. and A. Chan Hilton , Analysis of Federal and State Policies and Environmental Regulations for Bioethanol Production Facilities, submitted to <i>Environmental Science & Technology</i> , 2010, under review.
51	FSU	McGee, C. and A. Chan Hilton , Anticipating local effects of cellulosic biofuel production, submitted to <i>Science</i> , 2009, declined.
52	FSU	McGee, C. and A. Chan-Hilton (2009), Anticipating local effects of cellulosic biofuel production, <i>Science</i> , submitted December 2009. Declined.
53	FSU	McGee, C. and A. Chan-Hilton (2010), Analysis of Federal and State Policies and Environmental Regulations for Bioethanol Production Facilities, <i>Environmental Science & Technology</i> , in review (submitted August 2010).
54	FSU	Moss, P.L., G. Au, E.J. Plichta, and J.P. Zheng "Study of Capacity Fade of Lithium-Ion Polymer Rechargeable Batteries with Continuous Cycling", <i>J. Electrochem. Soc.</i> 157, A1 (2010).
55	FSU	Moss, P.L., G. Au, E.J. Plichta, and J.P. Zheng , "Investigation of solid electrolyte interfacial layer development during continuous cycling using ac impedance spectra and micro-structural analysis", <i>J. Power Sources</i> , 189, 66 (2009).
56	FSU	Outka, Uma , Facility Siting for Renewable Energy: Land Use and Regulatory Context, submitted to <i>Ecology Law Quarterly</i>
57	FSU	Outka, Uma , Renewable Energy's Land Use Impacts: Emerging Approaches to Siting (working title), a work in progress
58	FSU	Outka, Uma . "U.S. Energy Policy in Transition" forthcoming in <i>Ecology Law Quarterly</i> , the environmental law journal of the UC – Berkeley Boalt Hall School of Law.
59	FSU	Park, Jongsun, Barbara McCabe and Richard C. Feiock "Direct Democracy Provisions and Local Government Fiscal Choices," <i>American Journal of Public Administration</i> 40 (4): 400-410 2009.
60	FSU	Pereira, M.V.A., J.V.C. Vargas, S.C. Amico, J.A.R. Parise, R.S. Matos, J.C. Ordonez , "The Optimal Match of Streams for Maximum Heat Transfer from a Gas Fired Absorption Refrigeration Unit," <i>ASHRAE Transactions</i> , 2010.
61	FSU	Pevnitskaya, S., Ryvkin, D. , Behavior in a dynamic environment with costs of climate change and heterogeneous technologies: an experiment (under review)
62	FSU	Pevnitskaya, S., Ryvkin, D. , The role of context and termination uncertainty in dynamic climate change games (in preparation for submission)
63	FSU	R.L.L. Ribeiro, J.A.Souza, R. Pulliam , A.B. Mariano, J.C. Ordonez, J.V.C. Vargas , "The Transient Temperature Behavior in Compact Tubular Microalgae Photobioreactors," 13th Brazilian Congress of Thermal Engineering and Sciences, Uberlandia, MG, Brazil, December, 2010
64	FSU	Ramachandran, B., Srivastava, S. K., Cartes, D. , and Edrington, C. S. , "An Intelligent Auction Scheme for Smart Grid Market Using a Hybrid Immune Algorithm", <i>IEEE Transactions on Industrial Electronics</i> , <i>accepted, expected publication date 2010.</i>
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63	UF	Gilbert, R.A., G. Kingston, K. Morgan, R.W. Rice, L. Baucum, J.M. Shine, and J.F. Subiros. 2010. Effect of harvest method on microclimate and sugarcane yield in Florida and Costa Rica. International Society of Sugar Cane Technologists XXVII Congress Abstract.
64	UF	Comstock, J.C., A. del Blanco, S. Edme, D. Zhao, N. Glynn, B. Glaz, R. Gilbert and R.W. Davidson. 2010. CP-Cultivar development program: challenges and responses. American Society of Sugar Cane Technologists Annual Meeting Abstract.
65	UF	Gilbert, R.A., G. Kingston, K. Morgan, R.W. Rice, L. Baucum, J.M. Shine, and J.F. Subiros. 2010. Effect of harvest method on microclimate and sugarcane yield in Florida and Costa Rica. International Society of Sugar Cane Technologists XXVII Congress Abstract.
66	UF	Alvarez, J., Z.R. Hessel, L.E. Baucum, R.W. Rice and R.A. Gilbert. 2010. Economic feasibility of growing sugarcane and energycane for energy on the mineral soils of southern Florida. American Society of Sugar Cane Technologists Annual Meeting Abstract.
67	UF	Gilbert, R.A., G. Kingston, K. Morgan, R.W. Rice, L. Baucum, J.M. Shine, and F. Subiros. 2010. Effect of harvest method on sugarcane growth and yield in Florida and Costa Rica. International Conference on Bio-Fuel Crop Production and Development Abstract.

#	University	4-b: Other Publications
68	UF	Leon, R.G., R.A. Gilbert, and J.C. Comstock. 2010. Selection of energycane clones for biomass production under tropical and sub-tropical conditions. International Conference on Bio-Fuel Crop Production and Development Abstract.
69	UF	Cornejo, C. Heaney, J. and L. Walker. Evolution of the Guide as a Tool to Develop Goal-Based Water Conservation Plans in Florida. Proc. Florida Section of AWWA Fall Conference, Orlando, December, 2009.
70	UF	Friedman, K. and J. Heaney. Validity of Water Audit and Water Loss Evaluations for Florida. Proc. Florida Section of AWWA Fall Conference, Orlando, December, 2009.
71	UF	Morales, M., Martin, J. and J. Heaney. Methods for Estimating Commercial, Industrial, and Institutional Water Use. <i>Proc. Florida Section of AWWA Fall Conference, Orlando, December, 2009. Winner of best paper award for this conference</i>
72	UF	Palenchar, J., Friedman, K. and J. Heaney. Hydrograph Separation of Indoor and Outdoor Billed Water Use in Florida's Single Family Residential Sector. Proc. Florida Section of AWWA Fall Conference, Orlando, December, 2009.
73	USF	H.S.Knowles III, P. Rocha, T.K. Das, and J. Harrington, 2010. Carbon Cap & Trade Fact Sheet, in: Ruppert, K. C. and Larson, B. (Eds.), The Carbon Challenge Series, February 2010, Florida Energy Systems Consortium. http://www.floridaenergy.ufl.edu/wp-content/uploads/FESC_CarbonCap%2BTrade_final1.pdf
74	USF	R.Ratnadurai, S. Krishnan, Y. Goswami, E. Stefanakos, S. Bhansali, "Nanomanufacturing of thin Film MIM diodes " Accepted for Proceedings of AIP, 2010.
75	USF	S. Bhansali, S. Krishnan, Y. Goswami, E. Stefanakos, " Tunnel Junction based Rectenna- A Key to ultrahigh efficiency solar/thermal energy conversion," Accepted for Proceedings of AIP, 2010.
76	USF	C. Li, S. Srinivasan, N. Kislov, A. Phani, E. Stefanakos, and Y. Goswami, "Increasing the Photocatalytic Activity by Mechano-chemically Milling on Zn-doped TiO ₂ " in the proceedings of the 2009 MRS Fall Meeting, Boston, 2009.
77	FLATE-HCC	Co-presented, with Drs. Tim Anderson and Pierce Jones, to the Florida House Committee for Public Universities and Private Colleges Policy, 2/2/10

4. Professional Presentations Made ([Back to top](#))

During Oct. 1, 2009 to Sep 30, 2010 Period

#	Presenter	University	Title/Event	Date
1	Ephrem Mezolin	FAMU	Atlanta, GA at the American Physical Society, 51 st. Annual meeting of APS division of Plasma Physics, I presented the paper: "Evidence of New Turbulence Physics in Madison Symmetric Torus Plasmas using a Second Order Phase Transformation Interpretation".	11/2/09
2	M. Edington	FAMU	"Bacterial Analysis of Un-mined and Mined Jamaican Bauxite Soils using Laser-induced Breakdown Spectroscopy." Poster, American Society for Microbiology, San Diego, CA	1/1/10
3	M. Edington	FAMU	"The Development of Spectroscopic Methods for the Detection and Characterization of Plant Signal Transduction Mechanisms and Pathogens on Animal and Plant Food Products." FAMU Science Center Seminar, USDA Biocontrol Unit, Fort Lauderdale, FL	2/1/10
4	Kalayu Belay	FAMU	Multi-Scale Structural Mechanics", Annual Program Review, Air Force Office of Scientific Research (AFOSR), Destin FL.	8/17/10
5	Kalayu Belay	FAMU	"Nanoelectronic Devices for Defense & Security", IV. Materials, Fabrication and Integration for Sensor/System Architector, Fort Lauderdale, FL.	10/1/09
6	K. Williams	FAMU	Division of Plasma Physics meeting in Atlanta, "Pre- and Post-Shock Wave Self-Induce Magnetic Field Geometry in a Hypersonic Arc-Driven Shock Tube"	1/1/09
7	L. Johnson	FAMU	"Determination of Mercury Levels in Fish using Single and Dual Pulse LIBS", NSLIBS Conference, New Orleans	7/1/09
8	L. Johnson	FAMU	"FAMU LIBS Effort", Army LIBS Workshop, Virginia	2/1/09
9	J. Johnson	FAMU	"Nonlinear Plasma Science for Remote Monitoring Technologies: New Frontiers," Program Review, Laser Interactions with Materials for Identification Technologies, SMDC, Tallahassee, FL	10/29/09
10	J. Johnson	FAMU	"Nonlinear Plasma Science for Remote Monitoring Technologies: Motivations, Recent Results, and Next Frontiers," Program Review, Laser Interactions with Materials for Identification Technologies, SMDC, Tallahassee, FL	12/9/09
11	J. Johnson	FAMU	"Nonlinear Plasma Science for Remote Monitoring Technologies: New Frontiers," Program Review, Laser Interactions with Materials for Identification Technologies, SMDC, Huntsville, AL.	3/9/10

#	Presenter	University	Title/Event	Date
12	J. Johnson	FAMU	“Nonlinear Plasma Science for Remote Monitoring Technologies: New Frontiers,” Program Review, Laser Interactions with Materials for Identification Technologies, SMDC, Huntsville, AL.	7/20/10
13	C. Weatherford,	FAMU	“Simulation Strategies for Standoff Detection of Acetylene,” Program Review, Laser Interactions with Materials for Identification Technologies, SMDC, Tallahassee, FL	10/29/09
14	C. Weatherford,	FAMU	“Simulation of Standoff Detection of Acetylene,” Program Review, Laser Interactions with Materials for Identification Technologies, SMDC, Tallahassee, FL	12/9/09
15	C. Weatherford,	FAMU	“Standoff Detection of Acetylene Using Femtosecond Laser Pulses,” Program Review, Laser Interactions with Materials for Identification Technologies, SMDC, Huntsville, AL.	3/9/10
16	C. Weatherford,	FAMU	“Standoff Detection of Acetylene”, Strategic Missile Defense Command, Huntsville, AL.	7/20/10
17	C. Weatherford,	FAMU	“Computational Model of a LIBS Plasma”, Alakai Inc. , Tampa, FL.	8/24/10
18	Laurie Bransdorf	FAU	Energy from the Oceans; League of Women's Voters/COET	2/4/10
19	Laurie Bransdorf	FAU	Future of Ocean Energy; Coconut Creek High School Advanced Enviro Sci	3/18/10
20	Laurie Bransdorf	FAU	Future of Ocean Energy; Miami Science Museum	6/4/10
21	Laurie Bransdorf	FAU	Catching the Stream; FAU COET Ed Outreach	8/14/10
22	A.S. Bak and R.D. Granata	FAU	Biofouling as a Function of Velocity: Dynamic Experiment;High Performance Marine Vehicle Symposium, Linthicum, MD, , American Society of Naval Engineers, 1452 Duke Street, Alexandria, VA	11/9/09-10, 2009
23	C. Ghenai and B. Oliver Master Thesis: Ben Oliver	FAU	CFD Simulations of Underwater Turbine in Gulf Stream using RANS Method. IMECE2010-39639; ASME International Mechanical Engineering Congress and Expositions, Vancouver, Canada	7/2/05
24	Caitlin Slezycski	FAU	Engineering Career Panel Discussion; Palm Beach State College	7/14/10
25	Caitlin Slezycski/Howard Hanson	FAU	Catching The Stream the Future of Ocean Energy; DeLaura Middle School FIRST Lego League	12/2/09
26	Camille Coley	FAU	General Information on SNMREC; Presentation to Commission Jim Silverstone @ SeaTech	10/8/09

#	Presenter	University	Title/Event	Date
27	Camille Coley	FAU	General Information on SNMREC; Presentation to Florida Department of Environmental Protection @ Tallahassee	10/15/09
28	Camille Coley	FAU	General Information on SNMREC; Presentation to the Lauderdale-by-the-Sea Town Commission @ Lauderdale by the Sea Town Hall	2/9/10
29	Camille Coley	FAU	THE CURRENTS OF REGULATION: REGULATORY ISSUES IN THE OCEAN; Presentation at the OceanEnergy Conference @ Weston, FL	6/8/10
30	Gabriel Alsenas	FAU	Ocean Energy - Challenges and Opportunities; Nicholas Megrath Scholarship Dinner	4/21/10
31	Gabriel Alsenas	FAU	Harnessing the Energy of the Gulf Stream; MCM	1/22/09
32	Gabriel Alsenas	FAU	Catching the Stream" Overview of FAU's Center for Ocean Energy Technology; Luritek, Inc	3/31/10
33	Gabriel Alsenas	FAU	Catching the Stream" Overview of FAU's Center for Ocean Energy Technology; ECO_Auger	3/2/10
34	Gabriel Alsenas	FAU	Catching the Stream" Overview of FAU's Center for Ocean Energy Technology; Horberger	6/8/09
35	Gabriel Alsenas	FAU	Catching the Stream" Overview of FAU's Center for Ocean Energy Technology; Battelle	8/20/10
36	Gabriel Alsenas	FAU	Harnessing the Energy of the Gulf Stream; EHS	1/21/09
37	Gabriel Alsenas	FAU	Catching the Stream" Overview of FAU's Center for Ocean Energy Technology; Phil Catsman	9/15/09
38	Gabriel Alsenas	FAU	Catching the Stream" Overview of FAU's Center for Ocean Energy Technology; Audubon Society of the Everglades	10/20/09
39	Gabriel Alsenas	FAU	Catching the Stream" Overview of FAU's Center for Ocean Energy Technology; Florida Institute of Technology	2/22/10
40	Gabriel Alsenas	FAU	Catching the Stream" Overview of FAU's Center for Ocean Energy Technology; Renaissance on the Ocean	8/31/10
41	Howard Hanson	FAU	Marine Renewable Energy Seminar, US Department of State International Visitors Program	July 2010

#	Presenter	University	Title/Event	Date
42	Howard Hanson	FAU	Marine Renewable Energy Seminar - Cooperative Institute for Research in Environmental Sciences, University of Colorado at Boulder	9/1/10
43	Howard Hanson	FAU	Investing in Florida's Economy (Panel Discussion Member); 21st Century Energy Summit	9/2/10
44	Howard Hanson	FAU	Marine Renewable Energy; SNMREC Strategy Overview-Ecology & Environmental Workshop (Albany, NY)	9/3/10
45	Howard Hanson	FAU	Marine Renewable Energy Overview; Florida Energy Systems Consortium Summit	9/4/10
46	Howard Hanson	FAU	Energy from the Oceans: A New Renewable	---??---
47	James VanZwieten	FAU	Overview of FAU's Center For Ocean Energy Technology; NREL	2/4/10
48	James VanZwieten	FAU	Overview of FAU's Center For Ocean Energy Technology, Oakridge National Laboratory	3/30/10
49	James VanZwieten	FAU	Ocean Thermal Energy Capacity Estimation and Resource Assessment of Southeast Florida; Offshore Energy Conference Houston, TX	5/4/10
50	Leonard Berry	FAU	Managing Climate Change with Sustainable Initiatives; University of Florida Conference	12/4/09
51	Leonard Berry	FAU	Preparing for Climate Change in South Florida; FAU Jupiter Lecture	3/19/10
52	M. Arockiasamy	FAU	IEC TC 114/PT 626002-2 Design Requirements for Marine Energy System Wave Energy Converters and Tidal Current Energy Devices: Environmental Loads and Response Including Extreme Event Analysis; Edinburgh, Scotland	5/10/10
53	M. Arockiasamy	FAU	IEC TC 114/PT 626002-2 Design Requirements for Marine Energy System; US Shadow Committee, Seattle, WA	4/1/10
54	M.Mjit, P.- P.J. Beaujean , D. Vendittis,	FAU	Fault Detection and Diagnostics in an Ocean Turbine using Vibration Analysis; ASME International Mechanical Engineering Congress and Exposition, Vancouver, Canada,	11/2010, in print.

#	Presenter	University	Title/Event	Date
55	N. Asseff and H. Mahfuz	FAU	Design and Finite Element Analysis of an Ocean Current Turbine Blade; OCEAN '09 IEEE, Biloxi, MS	10/6-29, 2009
56	P. P. Beaujean , T. M. Khoshgoftaar, J. C. Sloan, N. Xiros, D. Vendittis,	FAU	Monitoring Ocean Turbines: a Reliability Assessment; Proceedings of the 15th ISSAT International Conference on Reliability and Quality in Design, San Francisco, California.	8/1/09
57	R. Wald, T. M. Khoshgoftaar, P.-P. Beaujean , J. C. Sloan,	FAU	A Review of Prognostics and Health Monitoring Techniques for Autonomous Ocean Systems; Proceedings of the 15th ISSAT International Conference on Reliability and Quality in Design, Washington, D.C.	8/1/10
58	R. Wald, T. M. Khoshgoftaar, P.-P. Beaujean , J. C. Sloan,	FAU	Combining Wavelet and Fourier Transforms in Reliability Analysis of Ocean Systems; Proceedings of the 15th ISSAT International Conference on Reliability and Quality in Design, , Washington, D.C.	8/1/10
59	S. Bulek, N. Erdol, and H. Zhuang ,	FAU	Adaptive array processing for underwater turbine noise cancellation; in preparation, to be submitted to the Journal of the Acoustical Society of America.	
60	S. Bulek, N. Erdol, and H. Zhuang ,	FAU	Application of Blind Source Separation to Underwater Acoustic Signals; (submitted) IEEE Digital Signal Processing and Signal Processing Education Workshop, Sedona, AZ	Jan 4-7, 2011
61	Shirley Ravenna	FAU	Ocean Energy-Challenges and Opportunities; Eat, Think and Be Merry Café Miami, FL	8/16/10
62	Susan Skemp	FAU	Ocean Energy Challenges and Solutions; Ecology & Environment Seminar	October 2009
63	Susan Skemp	FAU	Ocean Energy Challenges and Opportunities with Brazil; Cepemar Environmental Services	10/13/09
64	Susan Skemp	FAU	State Overview of FAU Ocean Energy Program; EOG & Department of Environmental Protection (DEP), Tallahassee, FL	10/15/09
65	Susan Skemp	FAU	FAU Ocean Energy Program Overview; Florida Turbine Technologies, Jupiter, FL	1/2/10
66	Susan Skemp	FAU	Ocean Energy, Multi-disciplinary Engineering Opportunities; Society of Women Engineers (SWE), Boca Raton, FL	2/4/10
67	Susan Skemp	FAU	Renewable Energy Sources in Florida; US High Speed Rail Association, Orlando, FL	3/5/10
68	Susan Skemp	FAU	Translating Best Practices from Aerospace to Ocean Renewable Energy; Global Marine Renewable Energy Conference (GMREC) Seattle, WA	4/1/10

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69	Susan Skemp	FAU	Ocean Energy Challenges and Opportunities ; West Point, West Point, NY	4/1/10
70	Susan Skemp	FAU	Ocean Energy Policy Implications; West Point, West Point, NY	4/1/10
71	Susan Skemp	FAU	Ocean Energy - a Renewable Solution; Ocean Technology Conference, Houston, TX	5/4/2010
72	Susan Skemp	FAU	Ocean Energy Research and Testing Challenges and Collaboration Opportunities; EMEC, Univeristy of Edinburgh, SeaByte LLC	6/1/10
73	Susan Skemp	FAU	Transdisciplinary Organizational Operations (Sue, Pete and Megan); University of Arizona	7/12/2010
74	Susan Skemp	FAU	Status Ocean Energy Program - Policy, Research, Technology; FAU Division of Research	7/13/2010
75	Susan Skemp	FAU	Ocean Energy Program Review; DOE, NOAA, DOI	July 2010
76	Susan Skemp	FAU	Ocean Energy Program and Collaborative Opportunities; Navy Carderock Division	7/1/10
77	Susan Skemp	FAU	Ocean Energy Program - Challenges and Regulatory Environment; Hydrovision Conference, Charlotte, NC	7/1/10
78	Susan Skemp	FAU	Ocean Energy Program Mutual Areas of Interest and Collaborative Opportunities; Navy Carderock Division	8/1/10
79	Susan Skemp	FAU	SNMREC Ocean Renewable Energy Overview (Sue and Howard Hanson); Ecology and Environment - Offshore Renewable Energy Seminar, Albany, NY	9/1/10
80	Susan Skemp	FAU	SNMREC Ocean Renewable Energy Overview (Sue, Camille Coley and Howard Hanson); Department of Energy (DOE) Contract & National Environmental Policy Act (NEPA) Office	9/1/10
81	Susan Skemp	FAU	Ocean Renewable Energy Program at FAU; Florida Energy Systems Consortium (FESC) Advisory Board, Orlando, FL	9/27/10
82	Taghi M. Khoshgoftaar (PhD Advisor) of John C. Sloan Dissertation	FAU	Finite Safety Models for High-Assurance Systems	8/1/10
	FAU Graduate Students			
83	Fisher, Aaron	FAU	Station Keeping for Small Outboard-Powered Boats", IEEE Oceans Conference, NREL Sydney, Australia	5/26/10
84	Fisher, Aaron	FAU	Graduate Student Research Day : "Station Keeping of Small Outboard-Powered Boats" (poster)	4/9/10
85	Fisher, Aaron	FAU	"Development and Implementation of an Adaptive Controller for Station Keeping of Small Outboard-Powered Boats" (Thesis Defense); Seatech campus	8/4/10

#	Presenter	University	Title/Event	Date
86	Fisher, A.D.	FAU	“Station keeping of small outboard-powered boats” (poster), IEEE Oceans Conference, Sydney, Australia	5/24-27 2010
87	Fisher, Aaron	FAU	Graduate Student Research Day : "Station Keeping of Small Outboard-Powered Boats" (poster)	4/9/10
88	Fisher, A. D. VanZwieten, J.H. Jr., VanZwieten, T.S.	FAU	"Station Keeping of Small Outboard-Powered Boats" , no 100115-098 (conference papers), IEEE Oceans Conference, Sydney, Australia	5/24-27- 2010
89	Fisher, Aaron	FAU	"Development and Implementation of an Adaptive Controller for Station Keeping of Small Outboard-Powered Vessels" (MS Thesis)	
90	Cook, K	FAU	“A POWER QUALITY MONITORING SYSTEM FOR THE CENTER OF OCEAN AND ENERGY TECHNOLOGY’S OCEAN TURBINE”, ; Master’s thesis student in Ocean Engineering, sponsored by the Center of Ocean Energy and Technology.	8/1/10
91	Kaiser, Khaled	FAU	"Complete Thermal Design and Modeling for the Pressure Vessel of an Ocean Turbine - A Numerical Simulation and Optimization Approach.	12/1/09
92	Vanrietvelde, Nicolas	FAU Seatech campus	"Numerical Performance Predictions for FAU’s First Generation Ocean Current Turbine" (Thesis Defense)	11/18/09
93	Vanrietvelde, Nicolas	FAU	"Numerical Performance Predictions for FAU’s First Generation Ocean Current Turbine" (MS Thesis)	7/1/05
94	Cribbs, Allison	FAU	"Global numerical analysis of a moored ocean current turbine testing platform", IEEE Oceans Conf. , Seattle, WA	9/23/10
95	Cribbs, A.R.	FAU	"Global numerical analysis of a moored ocean current turbine testing platform" (poster), IEEE Oceans Conf., Seattle, Washington	9/23/10
96	Cribbs, A.R. and VanZwieten, J.H.	FAU	"Global numerical analysis of a moored ocean current turbine testing platform" (conference papers), ; Accepted to the IEEE Oceans Conference, Seattle, Washington	9/23/10

#	Presenter	University	Title/Event	Date
97	Seibert, Michael	FAU	"Determining anchoring systems for ocean energy harvesting devices off the coast of southeast Florida", IEEE Oceans Conference , Seattle, Washington	9/23/10
98	Seibert, Michael	FAU	Graduate Student Research Day : "Determining Anchoring Systems for Ocean Energy Harvesting Devices within the COET Test Site" (poster)	4/9/10
99	Seibert, M.G.	FAU	"Determining anchoring systems for ocean energy harvesting devices off the coast of southeast Florida" (poster), IEEE Oceans Conference, Seattle, WA	9/23/10
100	Seibert, M.G., VanZwieten, J.H., von Ellenrieder, K.	FAU	"Determining anchoring systems for ocean energy harvesting devices off the coast of southeast Florida" (conference papers); Accepted to the IEEE Oceans Conference Seattle, Washington	September 20-23 2010
101	Leland, A.E., Driscoll, F.R., VanZwieten, J.H., Nagurny, N.J., Howard, R.J.	FAU	"Ocean Thermal Energy Capacity Estimation and Resource Assessment of Southeast Florida" no. OTC-20559-PP (conference papers), Accepted to the Offshore Technology Conference, Houston, TX	5/3-6 2010
102	P. P. Beaujean, T. M. Khoshgoftaar, J. C. Sloan , N. Xiros, D. Vendittis,	FAU	"Monitoring Ocean Turbines: a Reliability Assessment" , Proceedings of the 15th ISSAT International Conference on Reliability and Quality in Design, San Francisco, California.	8/1/09
103	Mustapha Mjit , Master's thesis student in Ocean Engineering, sponsored by the Center of Ocean Energy and Technology. .	FAU	"Methodology for Fault Detection and Diagnostics in an Ocean Turbine using Vibration Analysis and Modeling"	12/1/09
104	A.Goly	FAU	"Hydrodynamics Analysis of Ocean Current Turbines," - MS Thesis (Advisor: P. Ananthakrishnan), Dept. of Ocean & Mechanical Engineering, Florida Atlantic University	8/1/10
105	A. Goly and P. Ananthakrishnan	FAU	Hydrodynamics Analysis of Ocean Current Turbines using Vortex Lattice Method, Proceedings of the IEEE OCEANS2010 Conference, Seattle, WA	9/1/10

#	Presenter	University	Title/Event	Date
106	PhD Advisor (Taghi M. Khoshgoftaar) of John C. Sloan Dissertation	FAU	"Finite Safety Models for High-Assurance Systems."	8/1/10
107	C. Ghenai and B. Oliver Master Thesis: Ben Oliver	FAU	CFD Simulations of underwater turbine in Gulf Stream using RANS Method, IMECE2010-39639; ASME International Mechanical Engineering Congress and Expositions, Vancouver, Canada	7/2/05
108	Amit Singh (Graduate Advisor: Dr M Arockiasamy)	FAU	Mathematical Modeling of Wave-Current Interactions in Marine Current Turbines. HENAAC 2010 Career Conference & Awards Show, Lake Buena Vista, FL	10/7-9/2010
109	Zaqie Reza (Advisor: Manhar Dhanak)	MS Thesis FAU	Dissipation and Eddy Mixing Associated with Flow Past an Underwater Turbine	7/2/05
110	Nicolas Gantiva	FAU	"Design of Cathodic Protection Using BEM for Components of the Pilot Ocean Energy System"; Thesis (graduated Summer 2010)	2010/paper to be presented
111	A.S. Bak and R.D. Granata	FAU	Biofouling as a Function of Velocity: Dynamic Experiment; High Performance Marine Vehicle Symposium, Linthicum, MD, , American Society of Naval Engineers, 1452 Duke Street, Alexandria, VA	November 9-10, 2009
112	Andrew Spicer Bak	FAU	Coating Selection Process for Gulf Stream Hydroturbines; A Thesis Submitted to the Faculty of The College of Engineering and Computer Science at FAU	12/1/09
113	N. Asseff and H. Mahfuz	FAU	Design and Finite Element Analysis of an Ocean Current Turbine Blade; OCEAN '09 IEEE, Biloxi, MS	10/26-29, 2009
114	Akram, M.W.	FAU	Simulation of Composite Ocean Current Turbine (OCT) Blade under Fatigue Loading; Poster Competition in Graduate Research Day, Boca Raton, FL	4/1/10
115	Abishek Duraiswamy (Advisor: Bassem Alhalabi)	FAU	Embedded Data Gateway for Prognostic Health Monitoring Systems for Ocean Energy. FAU Work Lab: SE301, the Empirical Software Engineering Lab	Started: Fall 2010 Graduation: May 2010

#	Presenter	University	Title/Event	Date
116	E. McMichael and J. Wyneken	FAU	Sea Turtle Monitoring Efforts in the Gulf Stream Current off Southeast Florida; EnergyOcean2010, Ft Lauderdale	7/2/05
117	Bozec, A., E. Chassignet, H.P. Hanson	FAU	Development of a local ocean prediction model of the Fort Lauderdale region for energy extraction purposes. (poster); EnergyOcean Conference & Exhibition, Weston, FL	June 8-10, 2010
118	Alquthami, T., Baldwin, T., Faruque, O., Langston, J., Dale, S., McLaren, P., Meeker, R., Steurer, M., Schoder, K.	FSU	“The Future Florida Grid: Reliable and Resilient Electrical Energy Systems in a Changing Environment”, presentation at the Florida Energy Systems Consortium 2 nd Annual Summit, 28 September 2010, Orlando, FL.	2010-09-28
119	Alquthami, T., Baldwin, T., Faruque, O., Langston, J., Dale, S., McLaren, P., Meeker, R., Steurer, M., Schoder, K.	FSU	"Reliable and Resilient Electrical Energy Systems in a Changing Environment" poster presented at the Future of Florida Forum in Orlando, FL.	
120	Alquthami, T., Baldwin, T., Faruque, O., Langston, J., Dale, S., McLaren, P., Meeker, R., Steurer, M., Schoder, K.	FSU	“Load and Generation Forecasts for Reliable and Resilient Electrical Energy Transmission and Delivery System”, in Proceedings of the IEEE PES General Meeting, Minneapolis, MN, July 25-29, 2010.	2010-07-25
121	Alquthami, T., Baldwin, T., Faruque, O., Langston, J., Dale, S., McLaren, P., Meeker, R., Steurer, M., Schoder, K.	FSU	“The Future Florida Grid: Reliable and Resilient Electrical Energy Systems in a Changing Environment”, presentation at the Florida Energy Systems Consortium 1st Annual Summit, 30 September 2009, Tampa, FL.	2009-09-30
122	Alquthami, T., Ravindra, H., Faruque, M. O., Steurer, M., Baldwin, T.	FSU	“Study Of Photovoltaic Integration Impact On System Stability Using Custom Model of PV Arrays Integrated With PSS/E”, in Proceedings of the 2010 North American Power Symposium, Arlington, TX, USA, September 26-28, 2010.	2010-09-26
123	Awad, Bassam. Doctoral Student of Julie Harrington	FSU	Presented at the PURC <i>US Energy Policy in Transition</i> Workshop, held at UF.	2010-03-01
124	Azongha, S. F., S. Balathandayuthapani, C. S. Edrington, J. P. Leonard,	FSU	“Grid Integration Studies of a Switched Reluctance Generator for Future Hardware in the Loop Experiments”, <i>accepted</i> to IEEE Industrial Electronics Conference, Glendale, AZ.	2010-01-00

#	Presenter	University	Title/Event	Date
125	Baldwin, Tom, et. al.	FSU	“Study Of Photovoltaic Integration Impact On System Stability Using Custom Model of PV Arrays Integrated With PSS/E”,	2010-09-26
126	Bhattacharya, Indranil and Foo, Simon	FSU	”Indium Phosphide, Indium-Gallium-Arsenide and Indium-Gallium-Antimonide based High Efficiency Multijunction Photovoltaics for Solar Energy Harvesting,” 1st Asia Symposium on Quality Electronic Design (ASQED '09), Kuala Lumpur, Malaysia	2009-07-15
127	Bhuvanesawri, R., C. S. Edrington, D. A. Cartes, and S. Srikrishna,	FSU	“Online Economic Environmental Optimization of a Microgrid Using an Improved Fast Evolutionary Programming Technique”, North American Power Symposium, Starkville, MS,	2009-11-00
128	Chapin, Tim	FSU	Adaptive Response to Sea Level Rise on Florida's Gold Coast	2010-07-01
129	Collier, C	FSU	Offshore wind power potential in the Northeastern Gulf of Mexico at the 2010 annual meeting of the NOAA Northern Gulf of Mexico Institute. The poster presented was titled Wind Power Potential in the Northern Gulf.	2010-04-00
130	Collier, C, Smith, S.	FSU	2010 FESC Summit. Ms. Collier will present a poster summarizing the findings of the COAPS offshore wind energy team.	2010-09-27
131	Cronin, J. Joseph and Bybee, Jacquelyn	FSU	“The Effects of Brand Familiarity on Consumer Perceptions of Environmental Orientation,” in AMA Summer Marketing Educators Conference – Boston, MA	2010-01-00
132	Cronin, J. Joseph and Lawson, Stephanie J.	FSU	“Against the Green: Understanding Non-Green Consumers,” in American Marketing Association Conference Proceedings, AMA Winter Educators’ Conference – New Orleans, LA	
133	Dale, Steinar	FSU	Reliable and Resilient Electric Energy Systems in a Changing Environment Orlando FESC	2009-09-28
134	Edrington, C. S., O. Vodyakho, and B. Hacker,	FSU	“Virtual Battery Charging Station Utilizing Power-Hardware-in-the-Loop: Application to V2G Impact Analysis”, IEEE Vehicle Power and Propulsion Conference, Lille, France,	2010-09-01
135	Edrington, C. S., S. Balathandayuthapani, and J. Cao	FSU	, “Analysis of Integrated Storage and Grid Interfaced Photovoltaic System via Nine-switch Three-level Inverter”, <i>accepted</i> to IEEE Industrial Electronics Conference, Glendale, AZ, 2010.	2010-01-00
136	Edrington, C. S., S. Balathandayuthapani, and J. Cao,	FSU	“Analysis and Control of a Multi-string Photovoltaic (PV) System Interfaced with a Utility Grid”, IEEE Power and Energy Society General Meeting, Minneapolis, Minnesota,	2010-07-01
137	Feiock, Richard	FSU	Capacity and Policy Networks: Implications for Smart Grids, Energy Infrastructure and Policy Innovation," Lincoln Institute for Land Policy Claremont CA	2009-10-01
138	Feiock, Richard	FSU	Association for Policy Analysis and Evaluation, Washington D.C.	2009-11-01

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139	Feiock, Richard	FSU	Southern Political Science Association, Atlanta	2010-01-01
140	Feiock, Richard	FSU	American Planning Association	2010-02-01
141	Feiock, Richard	FSU	Midwest Political Science Association	2010-04-01
142	Feiock, Richard	FSU	American Political Science Association	2010-08-01
143	Feiock, Richard	FSU	Florida American Planning Association	2010-09-10
144	Feiock, Richard	FSU	FESC Summit	2010-09-28
145	Gleim, Mark R., Cronin, J. Joseph and Lawson, Stephanie J.	FSU	“The Adoption of Sustainable Practices: Overcoming Perceived Barriers to Socially Responsibility Initiatives,”	
146	Gleim, Mark R., Cronin, J. Joseph, Jr. and Smith, Jeffery S.	FSU	“Does the Green Shoe Fit? Evaluating Consumer Perceptions of Fit and Corporate Social Responsibility Activities,”	2010-01-00
147	Gleim, Mark R., Cronin, J. Joseph, Jr. and Smith, Jeffery S.	FSU	“Consumers’ Green Orientation: Conceptualizing and Measuring the Effects of Green Marketing Strategies,”	
148	Gleim, Mark R., Cronin, J. Joseph, Jr. and Smith, Jeffery S.	FSU	“Sustainability Competence: An Index of Sustainability-Driven Behaviors,”	
149	Gleim, Mark R., Cronin, J. Joseph, Smith, Jeffery S. and Lawson, Stephanie J.	FSU	“Is ‘Green’ Worth the Green? Barriers Surrounding the Adoption of Environmentally Friendly Products,”	
150	Hacker, B., S. Azongha, and C. S. Edrington,	FSU	“PHEV Impacts on Microgrid Systems”, IEEE Electric Power and Energy Conference, Montreal, Canada,	2009-10-00
151	Hacker, T. Bevis, B., C. S. Edrington, and S. Azongha,	FSU	“A Review of PHEV Grid Impacts”, North American Power Symposium, Starkville, MS,	2009-11-00
152	Harrington, Julie	FSU	Presentation to the Leadership Florida Annual Conference in June: “ <i>What’s Next: Implications of the Oil Spill for Florida</i> ”	2010-06-30
153	Harrington, Julie	FSU	Presentation to the Florida Energy and Climate Commission, in February	2010-03-00

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154	Horner, M.W., Zhao, T., and Chapin, T.S.	FSU	Exploring Research Opportunities for GIScience and Energy Sustainability. Annual Meeting of the Association of American Geographers, Washington D.C. (international)	2010-04-01
155	Isaac, R. Mark	FSU	The "Hold-Out" project - 2009 Southern Economics Association Meetings	2009-11-00
156	Kostka, Joel	FSU	SABER	
157	Lawson, Stephanie J. and Gleim, Mark R.	FSU	"Living Green: Understanding Sustainability from a Holistic Perspective,"	
158	Leng, Siyu, II-Yop Chung, Chris Edrington, David Cartes,	FSU	"Real-Time Coordination of Multiple Reconfigurable Adjustable Speed Drives for Power Quality Improvement," <u>Proceedings of the IEEE Power and Energy Society General Meeting</u> , Minneapolis, Minnesota	2010-01-00
159	Liu, L. , Wu, Z.C., Li, H.,	FSU	"A Single-stage Grid-connected Inverter with Wide Range Reactive Power Compensation using Energy Storage System (ESS)," in <i>Proc. 25th IEEE Applied Power Electronics Conference and Exposition, (APEC'10)</i> , Palm Springs, USA,	2010-02-00
160	Norton, Doug (et. al)	FSU	The "NIMBY" project - 2009 Southern Economics Association Meetings	2009-11-00
161	Norton, Doug (et. al)	FSU	The "NIMBY" project - 2010 World Meetings of the Economic Science Association	2010-07-00
162	Norton, Doug (et. al)	FSU	The "NIMBY" project - 2010 American Economics Association Meetings	
163	Opel, Andy	FSU	Full Frame Documentary Film Festival in Durham, NC, as a Full Frame Fellow	2009-04-02
164	Opel, Andy	FSU	Conference on Communication and the Environment, Portland, ME,	2009-06-27
165	Ordonez, Juan "J.C."	FSU	"Thermodynamic Optimization of Energy Systems"	2009-12-10
166	Ordonez, Juan "J.C."	FSU	"An Overview of Microalgal Biodiesel"	2009-10-00
167	Outka, Uma	FSU	Facility Siting for Renewable Energy: Land Use and Regulatory Context	2010-03-00
168	Outka, Uma	FSU	U.S. Energy Policy in Transition" at University of Florida	2010-03-00
169	Pevnitskaya, Svetlana	FSU	Southern Economic Association meeting (scheduled)	
171	Pevnitskaya, Svetlana	FSU	Florida Energy Systems Consortium Summit (scheduled)	
170	Pevnitskaya, Svetlana	FSU	Chapman University, invited speaker in the ESI/IFREE Lectures series (scheduled)	

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172	Pevnitskaya, Svetlana	FSU	ESA World Meeting, Copenhagen; Louis-André Gérard-Varet conference in public economics, Marseille	
173	Pevnitskaya, Svetlana	FSU	ESA Meetings, Tucson	
174	Powell, Mark	FSU	Offshore Wind Energy: Prospects for Florida and the Gulf of Mexico	2010-07-01
175	Ramachandran, B., S. Srivastava, D. Cartes, and C. Edrington,	FSU	“Distributed Energy Resource Management in a Smart Grid by Risk Based Auction Strategy for Profit Maximization,” <u>Proceedings of the IEEE Power and Energy Society General Meeting</u> , Minneapolis, Minnesota	2010-01-00
176	Ramachandran, B., S. K. Srivastava, Cartes, D. A., Edrington, C. S., and Subramanian, S.,	FSU	“Intelligent Agent-based Auction by Economic Generation Scheduling for Microgrid Operation”, IEEE Innovative Smart Grid Technologies, 2010.	2010-01-00
177	Rios, F. (student), M. Ye, P. Lee, R. Fernandes, T. Zhao	FSU	Developing an ArcGIS Extension for Estimating Nitrate Fate and Transport, ESRI Southeast Regional User Group Conference	2010-04-26
178	Rios, F. (student), M. Ye, P. Lee, R. Fernandes, T. Zhao, and A. Chan-Hilton	FSU	Estimation of Hydrologic Environmental Impacts of Nitrate Contamination from Energy Biomass Resources Development, FESC Summit, September 28-29, Orlando, FL.	2010-09-28
179	Saghaleini, M., B. Mirafzal, and C. Edrington,	FSU	“Regenerative Energy Management for Pulse-Loads in Dual DC-AC Micro-grids”, <i>accepted</i> to IEEE Industrial Electronics Conference, Glendale, Arizona	2009-11-00
180	Sommer, E.M., J.V.C. Vargas, L.S.Sanches, R.B.Valentim, J.C. Ordonez,	FSU	Development and Experimental Validation of a Mathematical Model for Alkaline Membrane Fuel Cells (AMFC), 20th International Congress of Mechanical Engineering, Gramado, RS, Brazil	2009-11-15
181	Subramaniam, P. (Chan Hilton's Student)	FSU	Usage of microbial fuel cell technology to prevention release nearby landfills in Northwest Florida. Poster presentation at 95th Annual American Society of Microbiology Southeastern Branch Conference, Savannah, GA: American Society of Microbiology Southeastern Branch.	2009-11-00
182	Torrens, J. C. L., J.V.C. Vargas, E. C. Telles, A.B. Mariano, J.C. Ordonez,	FSU	Biodiesel from Microalgae: The Effect of Fuel Properties on Pollutants Emissions. 20th International Congress of Mechanical Engineering, Gramado, RS, Brazil	2009-11-15
183	Vodyakho, O., C. S. Edrington, M. Steurer, S. Azongha, F. Fleming,	FSU	“Synchronization of Three-phase Converters and Virtual Microgrid Implementation Utilizing the Power Hardware in the Loop Concept”, IEEE Applied Power Electronics Conference and Exposition,	2010-01-00
184	Wu, Z.C., Liu, L., Li, H.	FSU	„Extensive Real/Reactive Power Flow Control for a Single-stage Grid-connected Inverter Integrating with Micro Storage,” in <i>Proc. 6th International Power Electronics Conference, -ECCE Asia-(IPEC-Sapporo 2010)</i> , Sapporo, Japan,	2010-06-00

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185	Zhao, T. and Horner, M.W.	FSU	Accounting for Carbon Emission in Florida: Estimation Based on Land Use and Residential Energy/Fuel Consumption. The 2009 Annual Meeting of the Association of American Geographers, Las Vegas, NV. (international)	2009-05-01
186	Zhao, T. and Horner, M.W.	FSU	Accounting for Carbon Emissions in Florida: Land Use, Energy and Fuel. 2009 Florida Energy Systems Consortium (FESC) Summit, Tampa, FL. (state)	2009-11-01
187	Zhao, T., Brown, D.G., and Zhang, T.	FSU	Urban Sprawl and Changes in Gross Primary Production. Workshop on Land Use/Land Cover Change and the Carbon Cycle, Ann Arbor, MI. (national)	2009-06-01
188	Zhao, T., Horner, M.W., and Sulik, J	FSU	Carbon Impacts of Residential Development Patterns. Annual Meeting of the Association of American Geographers, Washington D.C. (international)	2010-04-01
189	Zhou, Y., Liu, L., Li, H.	FSU	"Real Time Digital Simulation (RTDS) of a novel Battery-integrated PV System for High Penetration Application," in <i>Proc. 2nd International Symposium on Power Electronics for Distributed Generation Systems (IEEE PEDG 2010)</i> , Hefei, China,	2010-06-00
190	Ali T-Raissi	UCF/FSEC	"Overview of FSEC Solar Thermochemical Water-Splitting Cycle Activities," at the Solar Thermochemical Workshop at Sandia National Lab., Albuquerque, NM	November 2009
191	Ali T-Raissi	UCF/FSEC	"Review of FSEC's Sulfur Ammonia (SA) Cycle Development," DOE meeting at Golden, CO.	December 2009
192	Ali T-Raissi	UCF/FSEC	"Emerging Solar Thermochemical Water-Splitting Cycles," at SANDIA Lab's Solar Thermochemical Workshop held in Chicago, IL	December 2009
193	Ali T-Raissi, N.Z. Muradov	UCF/FSEC	"On-site Reformation of Diesel Fuel for H ₂ Fueling Station Applications (A Review)," at the DOE/FHI kick off meeting held at the FL Solar Energy Center	February 2010
194	Ali T-Raissi, N.Z. Muradov, S. Fenton	UCF/FSEC	"Review of FSEC's Sulfur Ammonia (SA) Cycle Development," at the DOE STCH Technical Progress Meeting held at FL Solar Energy Center	March 2010
195	Amit Gujar	UCF/FSEC	"Production of Drop-in Transportation Fuels via Combined Biomass Gasification-Fischer-Tropsch Synthesis," at the FESC 2010 Summit held at Orlando	September 2010
196	Anil Pai, Neelkanth Dhere	UCF/FSEC	"Development of Tribological Coatings for Cryocoolers Surface and Coatings Technology," PBDCT Conference, Sao Jose Dos Campos, SP, Brazil	
197	Ashwani Kaul, Parag Vasekar, Neelkanth Dhere, and Helio Moutinho	UCF/FSEC	"Beneficial Effects of silicon nitride barrier layer for CIGS thin flim solar cells," IEEE PVSC, Philadelphia, PA	2009
198	Ashwani Kaul, Parag Vasekar, Shirish Pethe, and Neelkanth Dhere	UCF/FSEC	"Effect of post-sulfurization annealing and gallim grading on thinner CuIn _{1-x} Ga _x S ₂ absorbers," SPIE	August 2009

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199	B. P. Pearman, N. Mohajeri, A. Karakoti, A. Kumar, D. Diaz, D. K. Slattery, L. Bonville, S. Seal	UCF/FSEC	Cerium Oxide Nanoparticle Degradation Mitigation in Nafion Composit Membranes: Comparison between Liquid and Gaseous Fenton Tests	August 2010
200	Carlos Velez, Steven Helkin	UCF	Showcase of Undergraduate Research Excellence (two presentations)	April 2010
201	Carlos Velez, Steven Helkin	UCF	Progress Energy UCF Symposium (two presentations)	April 2010
202	D. K. Slattery, L. J. Bonville, M. P. Rodgers, X. Huang, R. P. Brooker	UCF/FSEC	Insight into Membrane Degradation Mechanisms through Verification of Chemical and Mechanical Degradation Test Capabilities	October 2009
203	J. M. Fenton, M. R. Rodgers, D. K. Slattery, X. Huang, V. O. Mittal, L. J. Bonville, H. R. Kunz	UCF/FSEC	Membrane Degradation Mechanisms and Accelerated Durability Testing of Proton Exchange Membrane Fuel Cells	October 2009
204	Janet McIlvaine, Karen Sutherland, Kevin Schleith	UCF/FSEC	"Exploring Cost-Effective, High Performance Residential Retrofits for Affordable Housing in the Hot Humid Climate", at the Seventeenth Symposium for Improving Building Systems in Hot and Humid Climates, Austin, TX	August 2010
205	M. P. Rodgers, B.P. Pearman, N. Mohajeri, D. K. Slattery, L. J. Bonville, H. R. Kunz, J. M. Fenton	UCF/FSEC	Investigation of the Presence of a Saturating Media during Hot Pressing of Proton Exchange Membranes to Improve Performance	April 2010
206	M. P. Rodgers, L. J. Bonville, S. L. Rhoden, D. K. Slattery, H. R. Kunz, J. M. Fenton	UCF/FSEC	An Investigation of the Effect of Axial Load Pressure on Membrane Durability	August 2010
207	Neelkanth Dhere	UCF/FSEC	"Scale-up Issues of CIGS Thin Film PV Modules," 19th Photovoltaic Solar Energy Conference, Jeju, Korea	November 2009
208	Neelkanth Dhere	UCF/FSEC	"Challenges in Packaging of Flexible PV Modules - A Review," International Materials Research Conference, Cancun, Mexico	
209	Neelkanth Dhere, Shirish Pethe, and Askwani Kaul	UCF/FSEC	"Outdoor monitoring and high voltage bias testing of PV modules as necessary test for assuring long term reliability, SPIE	August 2009

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210	Nicoleta Sorloaica-Hickman, Robert Reedy	UCF/FSEC	"Photovoltaic/Thermoelectric Hybrid Device", Florida Institute of Technology, Melbourne, FL (invited talk)	December 2009
211	Nicoleta Sorloaica-Hickman, Robert Reedy	UCF/FSEC	"Hybrid Solar Cell Integrating Photovoltaic and Thermoelectric Cell Elements for High Efficiency and Longevity," FESC Summit, University of South Florida, Tampa, FL	September 2009
212	Nicoleta Sorloaica-Hickman, Robert Reedy	UCF	"Advanced Thermal Management Techniques for Increasing the Efficiency and Longevity of PV Cells," FESC Summit, University of Central Florida, Orlando, FL	September 2010
213	Nicoleta Sorloaica-Hickman, Scott Reinhart, Kristopher Davis, A. Belay and Robert Reedy	UCF/FSEC	"Solution and Support Facility for Photovoltaic Research, Innovation, Manufacturing & Development at UCF's Florida Solar Energy Center," FESC Summit, University of Central Florida, Orlando, FL	September 2010
214	R. P. Brooker, M. P. Rodgers, L. Bonville, D. K. Slattery, J. M. Fenton	UCF/FSEC	Increasing Platinum Specific Power Density by Modifying Electrode Application Process	August 2010
215	R. P. Brooker, M. P. Rodgers, N. Mohajeri, D. K. Slattery, L. J. Bonville, H. R. Kunz, J. M. Fenton	UCF/FSEC	Effect of Spray Parameters on Electrode Surface and Performance	April 2010
216	R. Ranganathan, W. Mikhael, Nasser Kutkut, and Issa Batarseh	UCF	Novel adaptive sun tracking algorithm for energy maximization and efficiency improvement of PV panels, International Conference on Renewable Energy: Generation and Applications, ICREGA 2010, United Arab Emirates	March 2010
217	Shirish Pethe, Ashwani Kaul, and Neelkanth Dhare	UCF/FSEC	"High Voltage Bias Testing of PV Modules as metrics for Module Reliability Testing," 19th PVSEC, Jeju, Korea	November 2009
218	Shirish Pethe, Michael Mendoze, Ashwani Kaul, and Neelkanth Dhare	UCF/FSEC	"Mechanical scribing as quality and reliability analysis tool for CIGSeS thin film solar cells," SPIE	11/2009
219	Shirish Pethe, Vinay Hadagali, and Neelkanth Dhare	UCF/FSEC	"Development of silicon nitride barrier layer for CIGS thin film solar cells," SPIE	August 2009
220	Byung Wook Lee	UF	Mechanistic Analysis of the Electrochemical Performance of Bismuth Ruthenate and Erbium Stabilized Bismuth Oxide Composite Cathode for IT-SOFC, ECS 217 th Spring, Vancouver, British Columbia, Canada	5/1/10

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221	Byung Wook Lee	UF	Synthesis of Ultra Fine Pyrochlore Bismuth Ruthenate and Characterization of its Catalytic Activity as a Cathode Material for IT-SOFC, ACerS, Daytona Beach, FL	1/1/10
222	Byung Wook Lee	UF	Synthesis of Ultra Fine Bismuth Ruthenate Using Glycine Nitrate Combustion and Development of Composite Cathode for IT-SOFC, Poster, Fuel Cell Seminar and Exposition, Palm Springs, CA	11/1/09
223	Gary Peter	UF	Integrated Nondestructive Spatial and Chemical Analysis of Lignocellulosic Materials during Pretreatment and Bioconversion to Ethanol, Bioenergy Science Center Workshop on Biomass Characterization	1/7/10
224	Gary Peter	UF	Genetic Architecture of Growth, Disease, and Wood Quality Traits in Southern Pines,	4/22/10
225	J. Heaney	UF	Sustainable Urban Water Systems	10/15/10
226	J. N. Chung	UF	Enhanced Cooling of Liquid Rocket Engine by Metal Foam	11/12/09
227	J. N. Chung	UF	Advances in the Understanding of Boiling Heat Transfer	11/14/09
228	J.F. Preston	UF	Engineering biocatalysts for hemicellulose hydrolysis and fermentation	2/10/10
229	J.F. Preston	UF	Engineering biocatalysts for hemicellulose hydrolysis and fermentation	9/30/09
230	Jeff Fedenko (Erickson student)	UF	Yield and nutrient removal of potential tallgrass biofuel crops in Florida	7/15/10
231	Jeff Fedenko (Erickson student)	UF	Tissue chemistry of potential bioenergy crops	9/29/10
232	Jenshan Lin	UF	"Integrated Radar Sensors for Non-Contact Vital Signs and Vibrations Detection," Tutorial, IEEE Sensors 2009, Christchurch, New Zealand	10/25/09
233	Jenshan Lin	UF	"Research Activities of RF Circuits and Systems Research Group in University of Florida," Seminar at NTT, Japan	6/25/10
234	Jenshan Lin	UF	"From Far-Field Wireless Power Transmission to Near-Field Wireless Charging," Workshop on Wireless Power Transmission, IEEE 2010 International Microwave Symposium	5/28/10
235	Jenshan Lin	UF	"Noncontact Vital Sign Detection Radar Sensor for Personal and Pervasive Health Monitoring," Seminar at Qualcomm	5/21/10
236	Jenshan Lin	UF	"From Far-Field Wireless Power Transmission to Near-Field Wireless Charging," Seminar at Texas Tech University	4/23/10
237	Joao Vendramini	UF	Biomass Production, P Removal Capacity and Shallow Soil Water Quality of Elephantgrass, Sugarcane, Switchgrass, and Stargrass Grown on a Manure-Impacted Site	7/15/10
238	Joao Vendramini	UF	Screening Biomass Crops for Production and Phytoremediation Capacity in Soils With Excessive P Concentrations	7/15/10
239	John Erickson	UF	Sweet sorghum as a potential biofuel feedstock for Florida	8/12/10
240	John Erickson	UF	Sweet sorghum as a bioenergy crop for Florida	7/15/10

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241	Jon Stewart	UF	Biocatalytic Strategies for Lignin Conversion	9/28/10
242	K. Friedman	UF	Overview of the Conserve Florida Water Clearinghouse	10/16/10
243	K. T. Shanmugam	UF	Fermentation of 120 g/L glucose to L-lactic acid at 50°C by thermotolerant <i>Bacillus coagulans</i>	4/20/10
244	K. T. Shanmugam	UF	Construction and characterization of an <i>ldh</i> deletion mutant of <i>Bacillus coagulans</i>	4/19/10
245	Lynn Sollenberger	UF	Are cultivated and weed-type elephantgrasses the same?	7/15/10
246	Lynn Sollenberger	UF	Perennial grasses as a potential biofuel feedstock for Florida	8/12/10
247	M. Morales	UF	Estimating and Projecting Commercial, Industrial, & Institutional Water Use	10/17/10
248	Miguel Castillo (Sollenberger student)	UF	Municipal biosolids as an alternative nutrient source for biomass crops	7/15/10
249	Nicholas Vito	UF	Comparison of 2D and 3D Microstructural Analysis, Daytona Beach, CA	1/1/10
250	Pedro Korndorfer (Gilbert student)	UF	Biomass yields and fiber concentration of energycane and giant reed grown on sandy soils of Florida.	6/1/10
251	Pedro Korndorfer (Gilbert student)	UF	Biomass and energy yields of perennial grasses grown on sandy soils in Florida	6/10/10
252	Richard Stehle (grad student)	UF	FESC Summit in Orlando, Florida, Fundamental oxidation reaction kinetics for the steam-iron process in a solar thermal reactor.	9/28/10
253	Robert Gilbert	UF	Effect of harvest method on microclimate and sugarcane yield in Florida and Costa Rica	3/1/10
254	Robert Gilbert	UF	Effect of harvest method on sugarcane growth and yield in Florida and Costa Rica	7/1/10
255	Robert Gilbert	UF	Energycane varietal program development in Florida	7/15/10
256	Robert Gilbert	UF	UF/IFAS research directions in energycane and biofuels	9/24/10
257	Theodore Kury	UF	"The Marginal Effects of the Price for Carbon Dioxide: Quantifying the Effects on the Market for Electric Generation in Florida." Presented at the Economics of Alternative Energy Sources and Globalization: The Road Ahead, November 2009, Orlando, Florida	11/1/09
258	Theodore Kury	UF	"The Marginal Effects of the Price for Carbon Dioxide: Quantifying the Effects on the Market for Electric Generation." Presented at NARUC/NCEP CLIMATE CONFERENCE The Utility of the Future in a Carbon Constrained World, December 2009, Dallas, Texas	12/1/09
259	Theodore Kury	UF	"The Marginal Effects of the Price for Carbon Dioxide on Electric Generation and Rate Design." Presented at the Energy Risk USA 14 th Annual Conference, May 2010, Houston, Texas	5/1/10
260	Yige Hu	UF	"Development of Low Cost CIGS Thin Film Hot Carrier Solar Cells "	9/28/10

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261	W. K. Kim, R. Krishnan, A. Payzant, C. Campbell, and T. Anderson.	UF	“Rapid Diffusion-limited Pathways to $\text{CuIn}_x\text{Ga}_{1-x}\text{Se}_2$ Thin Film Synthesis” Invited presentation at the 138 th Annual TMS Meeting, San Francisco, CA (2009).	2009
262	J. Koller, D. Kim, T. J. Anderson and L. McElwee-White (speaker)	UF	“Tungsten Imido and Hydrazido Precursors for the Deposition of WN_xC_y Films,” Invited presentation at 216th Electrochem. Soc. Meeting, EURO-CVD 17 Symp., Vienna, Austria (2009).	2009
263	T.J. Anderson.	UF	“Light In and Light Out: An Overview of Photovoltaics and Solid-State Lighting,” Invited presentation at Power Systems Modeling Conference, Gainesville, FL (2009).	2009
264	T. J. Anderson, W. K. Kim, R. Krishnan, S. Kim, S. Yoon, J. Shen, E. A. Payzant, and C. Campbell.	UF	“Routes to the Synthesis of $\text{CuIn}_x\text{Ga}_{1-x}\text{Se}_2$,” Invited presentation at the 19th Int. Photovoltaic Sci. and Eng. Conf. (PVSEC), Jeju, Korea (2009).	2009
265	Tim Anderson	UF	“University Energy Research in Florida,” Federal Laboratories Consortium Southeast Region Conference, Naples, Florida (2010).	2010
266	Tim Anderson	UF	“Energy Systems in Florida – A Consortium Approach,” Invited keynote presentation at the Energy, Sustainability and Climate Change Conference, Gainesville, FL (2010).	2010
268	Tim Anderson	UF	“Integrating Renewable Technologies into the Smart Grid: Bio Fuels, Solar and Ocean Energy,” Invited presentation at the Advancing Investments and Innovation in the Recovery of Renewable Technologies Conference, Orlando, FL (2010).	2010
269	Tim Anderson	UF	“Integration of Electronic Materials into Energy Systems,” Invited presentation at the Electronic Materials and Applications 2010 Meeting, American Ceramic Society, Orlando, FL (2010).	2010
270	R. Krishnan, W. K. Kim, E. A. Payzant and T. J. Anderson	UF	“Synthesis Routes for $\text{CuIn}_x\text{Ga}_{1-x}\text{Se}_2$ Thin Film Absorbers,” Invited keynote presentation at the International Microwave Symposium, Anaheim, CA (2010).	2010
271	Vaibhav Chaudhari, Rangarajan Krishnan, David Wood and Tim Anderson.	UF	“Reaction Pathways in the Formation of CIGS Absorber Layers and GaN Active Layers,” Presented at the Int. Symp. on Optoelectronics Materials and Devices, Chicago, IL (2010).	2010
272	Tim Anderson	UF	“Light In and Light Out: Thin Film Photovoltaics and Solid-State Lighting,” Invited plenary presentation at the Ohio State Materials Week Symp., Columbus, OH (2010).	2010
273	Tim Anderson	UF	Routes for Rapid Synthesis of $\text{CuGa}_x\text{In}_{1-x}\text{Se}$ Absorbers,” Presented at 7th NIST Diffusion Workshop, Gaithersburg, MD (2009).	2009
274	C. Campbell, T. J. Anderson, W. K. Kim, and J. Shen	UF	“Development of a Diffusion Mobility Database for Cu-In-Se,” Presented at 7 th NIST Diffusion Workshop, Gaithersburg, MD (2009).	2009
275	U. Farva, R. Krishnan, T. J. Anderson, and C. Park.	UF	“Structural and Optoelectronic Properties of Synthesized CuInSe_2 Nanoparticles,” Presented at 34th IEEE Photovoltaic Specialists Conference Philadelphia, PA (2009).	2009
276	C. P. Muzzillo and T. J. Anderson	UF	“High rate chemical vapor deposition of Cu(In,Ga)Se_2 ,” Presented at the Florida Energy Systems Consortium Summit, Tampa, FL. (2009).	2009

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277	Y. Hu, G. Bosman, and T.J. Anderson	UF	"Device simulation of ZnO/CdS/CIGS/Mo solar cell using Medici," Florida Energy Systems Consortium Summit, Tampa, FL. (2009).	2009
278	J. Lee, Y.S. Kim, and T.J. Anderson.	UF	"Investigation of Triethylgallium Thermal Decomposition Using in situ Raman Spectroscopy and DFT Calculations" Presented at 216th Electrochem. Soc. Meeting, EURO-CVD 17 Symp., Vienna, Austria (2009).	2009
279	Dojun Kim, Oh Hyun, Kim, Tim Anderson, Jürgen Koller, Lisa McElwee-White, Lii-Cherng Leu, and David P. Norton.	UF	"Evaluation of the tungsten diphenylhydrazido complex $Cl_4(CH_3CN)W(NNPh_2)$ as a precursor for CVD of WN_xC_y ," Presented at 216th Electrochem. Soc. Meeting, EURO-CVD 17 Symp., Vienna, Austria (2009).	2009
280	T. J. Anderson, W. K. Kim, R. Krishnan, S. Kim, S. Yoon, J. Shen, E. A. Payzant, and C. Campbell	UF	"Routes to the Synthesis of $CuIn_xGa_{1-x}Se_2$," Invited presentation at the 19th Int. Photovoltaic Sci. and Eng. Conf. (PVSEC), Jeju, Korea (2009).	2009
281	J. Lee, Y.S. Kim, and T.J. Anderson	UF	"Quantum Chemical and in Situ Raman Studies for the Homogeneous Thermal Decomposition Kinetics of Triethylgallium," Presented at the Ann. AIChE Meeting, Nashville, TN (2009).	2009
282	Dojun Kim, Oh Hyun Kim, Tim Anderson, Jürgen Koller, Lisa McElwee-White, Lii-Cherng Leu, and David P. Norton.	UF	"Chemical Vapor Deposition of WN_xC_y for Diffusion Barrier Application Using a Tungsten Diphenylhydrazido Complex," Presented at the Ann. AIChE Meeting, Nashville, TN (2009).	2009
283	R. Krishnan, U. Farva, V. Chaudhari, David Wood, Chinho Park, Andrew Payzant, and Tim Anderson.	UF	"Low Temperature Processing of CIS Nanopowder for Flexible Substrates," Presented at the Ann. AIChE Meeting, Nashville, TN (2009).	2009
284	Vaibhav Chaudhari, Rangarajan Krishnan, David Wood, and Tim Anderson.	UF	"Growth of Unidirectional Indium Nitride (InN) Nanorods On Silicon Substrate Using Hydride Metal Organic Vapor Phase Epitaxy," Presented at the Ann. AIChE Meeting, Nashville, TN (2009).	2009
285	Jooyoung Lee, Young Seok Kim, and Tim Anderson	UF	"Quantum Chemical and in Situ Raman Studies for the Homogeneous Thermal Decomposition Kinetics of Triethylgallium," Presented at the Ann. AIChE Meeting, Nashville, TN (2009).	2009
286	J. Lee, D. Kim, O. Kim, T. Anderson, J. Koller and L. McElwee-White	UF	" Analysis of the Homogeneous Thermal Decomposition of the Tungsten Dimethylhydrazido Complex $Cl_4(CH_3CN)W(NNMe_2)$ Using In Situ Raman Spectroscopy and DFT Calculations. " Presented at the 217th Electrochemical Soc. Meeting, Vancouver, Canada (2010).	2010
287	R. Krishnan, W. K. Kim, E. A. Payzant and T. J. Anderson	UF	"Synthesis Routes for $CuIn_xGa_{1-x}Se_2$ Thin Film Absorbers," Invited presentation at the International Microwave Symposium, Anaheim, CA (2010).	2010

#	Presenter	University	Title/Event	Date
288	U. Farva, J. Lee, J.Y. Park, R. Krishnan, T. Anderson, and C. Park.	UF	“Optimization Study of Copper Precursors for High Quality CuInSe ₂ Nanoparticles by Wet Chemical Route,” Presented at 35th IEEE Photovoltaic Specialists Conference Honolulu, HI (2010).	2010
289	R. Krishnan and T. Anderson.	UF	“Reaction Pathways and Kinetics of MoSe ₂ ,” Presented at 35th IEEE Photovoltaic Specialists Conference Honolulu, HI (2010).	2010
290	Jooyoung Lee and Timothy J. Anderson	UF	“Homogeneous Thermal Decomposition of Triethylaluminum: Effect of NH ₃ ,” Presented at the AVS 57th Int. Symp., Albuquerque, New Mexico (2010).	2010
291	Rangarajan Krishnan, Tze-Bin Song, Vaibhav U. Chaudhari, Andrew A. Payzant, Rommel Noufi and Timothy J. Anderson	UF	“Synthesis Routes for CuIn _{1-x} Ga _x Se ₂ Thin Film Absorbers,” Presented at the AVS 57th Int. Symp., Albuquerque, New Mexico (2010).	2010
292	Vaibhav U. Chaudhari, David Wood, Rangarajan Krishnan, Tze-Bin Song and Timothy J. Anderson.	UF	“Characterization of Vertical InN Nanorods and InN-GaN Core-Shell Structures Grown by Merged Metal Organic Hydride Vapor Phase Epitaxy,” Presented at the AVS 57th Int. Symp., Albuquerque, New Mexico (2010).	2010
293	Yige Hu, Gijs Bosman, and Tim Anderson	UF	“Development of Low Cost CIGS Thin Film Hot Carrier Solar Cells,” Presented at the 2nd Ann. Fl. Energy Systems Consortium Conference. Orlando, FL (2010).	2010
294	Tapas Das	USF	Generation Expansion in Restructured Electricity Markets under a CO ₂ Cap-and-Trade Program with an application to the Illinois Electricity Market” presented at INFORMS Annual Meeting, San Diego, CA.	10/1/09
295	J.T. Wolan, S. A. Gardezi and J. Rajput	USF	2010 Global Venture Challenge Finalists: J.T. Wolan, S. A. Gardezi and J. Rajput, Oak Ridge National Laboratory,	3/1/10
296	Cecil Coutinho, Vinay K. Gupta	USF	Investigating the photocatalytic performance of rapid settling pnpam-titania microcomposites,” In <i>American Institute of Chemical Engineers, Annual Meeting</i> , Nashville, TN	11/1/09
297	V. K. Gupta, Bijith Mankidy, Cecil Coutinho	USF	A simple optical experiment on polymer diffusion for undergraduates that incorporates web-cam capture, data digitization, and multi-variable regression,” In <i>American Institute of Chemical Engineers, Annual Meeting</i> , Nashville, TN, 2009.	11/1/09
298	Mankidy, Babu Joseph, Vinay Gupta	USF	“Surface decoration of cobalt nanoparticles on silica colloids,” In <i>American Institute of Chemical Engineers, Annual Meeting</i> , Nashville, TN, 2009.	11/1/09
299	Alisha Peterson, Vinay Gupta,	USF	“Synthesis and characterization of novel nanomaterials: Gold nanoshells with an organic-inorganic hybrid core,” In <i>American Institute of Chemical Engineers, Annual Meeting</i> , Nashville, TN, 2009.	11/1/09
301	Balakrishnan, N.; Bhethanabotla, V. R.; Joseph.B	USF	<i>Effect of cluster size on co adsorption and dissociation on cobalt catalysts: Dft studies using cluster models</i> , AIChE Annual Meeting, Nashville, TN, 2009.	11/1/09

#	Presenter	University	Title/Event	Date
302	S. A. Gardezi, B. Joseph, J. Wolan	USF	<i>Metal/support interaction effects in Fischer-Tropsch synthesis: Significance of catalyst preparation</i> , AIChE Annual Meeting; Nashville, TN, 2009	11/1/09
303	Wolan, J.T., B. Ridder	USF	"Vs photocatalytic oxidation of metal orange," In <i>AIChE</i> , Nashville, TN, 2009.	11/1/09
304	S. Chanda, R. Anders, C. S. Ferekides and D. L. Morel	USF	"Control of Voc in CdSe Solar Cells", Proceedings of the 34 th IEEE PV Specialist Conference, Philadelphia, PA	6/1/09
305	D. L. Morel, C. S. Ferekides, R. Anders, and K. Jayadevan,	USF	"Selenization Pathways to 2SSS CIGS Manufacturing", Proceedings of the 35 th IEEE PV Specialist Conference, Honolulu,	6/1/10
306	Chen, H. and Goswami D.Y.	USF	"Converting Low-Grade heat into Power using a Supercritical Rankine cycle with Zeotropic Mixture Working Fluid," in the Proceedings of ASME 2010 4th international Conference on Energy Sustainability, Phoenix, Arizona	5/1/10
307	S. Krishnan, S. Bhansali, E. Stefanakos, Y. Goswami	USF	Thin Film Metal-Insulator-Metal Junction for Millimeter Wave detection," Eurosensors XXIII, Lausanne, Switzerland	9/1/09
308	J. Boone, S.Krishnan, S. Bhansali, T. Weller, Y. Goswami, E Stefanakos,	USF	Design and Simulation of a Scalable Dipole-fed Slot Antenna" WAMICON 2010, Melbourne Beach, FL	3/1/10
309	M. Celestin, P. Campbell, D. Peters, F. McCormick, S. Wix, S.Bhansali, Y. Goswami, S. Krishnan	USF	Fabrication and Modeling of Organic Dielectric Tunnel Diodes," National Institute for Nano Engineering (NINE), Sandia National Lab	8/1/10
310	M. Celestin, S. Krishnan, Y. Goswami, E. Stefanakos, S. Bhansali	USF	unnel Diodes Fabricated For Rectenna Applications Using Self-Assembled Nanodielectrics", Eurosensors XXIV, Linz, Austria,	9/1/10
311	R.Ratnadurai, S. Krishnan, Y. Goswami, E. Stefanakos, S. Bhansali,	USF	Effects of Dielectric Deposition on the Electrical Characteristics of MIM Tunnel Junctions", Eurosensors XXIV, Linz, Austria,	9/1/10
312	S. Bhansali, S. Krishnan, Y. Goswami, E. Stefanakos,	USF	Tunnel Junction based Rectenna- A Key to ultrahigh efficiency solar/thermal energy conversion,PEFM 2010, BARC India	9/1/10
313	Roberts-Ashby T, Stewart M.	USF	Evaluation of the Sunniland formation of the South Florida Basin for carbon dioxide capture and sequestration and enhanced oil recovery. Presented at the Geological Society of America Annual Meeting: Portland, OR,	10/1/09

#	Presenter	University	Title/Event	Date
314	Okwen RT, Cunningham JA	USF	Storage of CO ₂ in deep saline aquifers via injection in horizontal wells. Presented at USF Research Day: Tampa, FL,	10/1/09
315	Cunningham JA, Okwen RT, Thomas MW, Trotz MA, Stewart M.	USF	Expected CO ₂ -water-rock interactions and changes in formation porosity in a deep saline aquifer in Florida, United States. Presented at the American Geophysical Union 2009 Fall Meeting 2009: San Francisco, CA,	12/1/09
316	Anwar S, Cunningham JA, Trotz MA, Thomas MW, Briley A, Stewart M.	USF	Pore-scale modeling of reactive-multiphase-buoyant flow in large-scale aquifers for carbon capture and storage. Presented at the American Chemical Society Spring 2010 National Meeting and Exposition: San Francisco, CA,	3/1/10
317	Cunningham JA.	USF	Can We Store Carbon Dioxide (CO ₂) in the Deep Subsurface? Presented at the USF Environmental Interdisciplinary Research Colloquium: Tampa, FL,	4/1/10
318	Drupatie Latchman, Elias Stefanakos, and D.Yogi Goswami	USF	Carbon Dioxide Capture from Fossil Fuel Power Plants Using Dolomite, The 35th International Technical Conference on Clean Coal & Fuel Systems, June 6 to 10, Clearwater, Florida, USA.	6/1/10
319	Li, C., Srinivasan, S., Kislov, N., Schmidt, M., Stefanakos, L., and Goswami, Y.	USF	Enhancement of TiO ₂ Photocatalytic Activity by N-Doping using the Gas Phase Impregnation Method,” in the proceedings of the 2009 MRS Fall Meeting, Boston	11/1/09
320	Li, C., Srinivasan, S., Kislov, N., Phani, A., Stefanakos, L., and Goswami, Y.	USF	Increasing the Photocatalytic Activity by Mechano-chemically Milling on Zn-doped TiO ₂ ” in the proceedings of the 2009 MRS Fall Meeting, Boston	11/1/09
321	Abutayeh, M. and Goswami, D.Y.	USF	Experimental Simulation of Solar Flash Desalination,” AIChE National Meeting, Nashville, TN	11/1/09
322	S. Russell	USF	International Conference on Building Science and Engineering (ICON-BSE) Johor Bahru, Malaysia	12/1/09
323	S. Russell	USF	Eco Architecture 2010, La Coruna Spain	4/1/10
324	S. Russell	USF	2010 ACSA National Conference, New Orleans Louisiana	3/1/10
325	Marilyn Barger/ Richard Gilbert	FLATE- HCC	Energy Curriculum in Florida	11/18/09
326	Marilyn Barger	FLATE- HCC	FESC and its Interaction with two-year AS Programs	4/23/10
327	Marilyn Barger/ Richard Gilbert	FLATE- HCC	Implementing Engineering and Technical Education to Support Florida’s 21st Century Energy Sector	6/21/10
328	Marilyn Barger	FLATE- HCC	Building the Technician Workforce for Florida’s Energy Future	9/27/10
329	Marilyn Barger	FLATE- HCC	Co-presented, with Drs. Tim Anderson and Pierce Jones, to the Florida House Committee for Public Universities and Private Colleges Policy	2/2/10

5. Invention Disclosures & Patents [\(Back to top\)](#)

During Oct. 1, 2009 to Sep 30, 2010 Period

#	Faculty	University	Disclosure / Patent #	Title
1	Jesse Smithyman, Zhiyong Liang, Jim Zheng, Ben Wang, Chun Zhang	FSU	Disclosed 10/5/10; US Provisional Patent Application filed 11/9/2009	Binder-Free Nanocomposite Material and Method of Manufacture
2	Jim Zheng	FSU	Disclosed 2/12/2010; US Provisional Patent Application filed 6/2/2010	High Energy Density Li-ion Capacitors
3	Jim Zheng, Ben Wang, Chuck Zhang, Wei Zhu	FSU	Disclosed 2/10/2010; US Patent Application No. 12/839,124 and PCT Patent Application No. PCT/US10/42451 filed 7/19/2010	Catalytic Electrode with Gradient Porosity and Catalyst Density for Fuel Cells
4	Juan "J.C." Ordonez; Z. Hovsapian, J.V.C. Vargas, W. Balmant, A. Stall, A.B Mariano, J.C.	FSU		Compact Photo Bioreactor for Microalgae Cultivation
5	Svetlana Poroseva, Mohammed Yousuff Hussaini, Stephen Woodruff	FSU	US Patent No. 7,652,396 Issued 1/26/2010	Systems and Methods for Improving the Ability of a Power Delivery System to Withstand Multiple Failure Events
6	Nahid Mohajeri, et al.	UCF/FSEC	Patent # 7,745,027	Catalytic dehydrogenation of amine borane complexes
7	Nazim Muradov	UCF/FSEC	Patent # 7,803,349	Method and apparatus for hydrogen production from water
8	Nazim Muradov, et al.	UCF/FSEC	Patent # 7,691,271	Filamentous carbon particles for cleaning oil spills and method of production
9	Nazim Muradov, et al.	UCF/FSEC	Patent # 7,691,182	Process for hydrogen production via integrated processing of landfill gas and biomass
10	Neelkanth G. Dhere, Ankur Kadam	UCF/FSEC	Patent# US 7632701.	CuIn _{1-x} GaxSe _{2-y} Sy (CIGSS) thin film solar cells prepared by selenization /sulfurization in a conventional furnace using a new precursor
11	Nicoleta Sorloaica-Hickman, Robert Reedy	UCF	Patent Pending - Submitted 2009	Hybrid solar cell integrating Photovoltaic and Thermoelectric cell elements for high efficiency and longevity

#	Faculty	University	Disclosure / Patent #	Title
12	Wasfy Mikhael, Ranganathan, Nasser Kutkut, and Issa Batarseh	UCF	Patent Pending - February 2010	Novel Adaptive Sun Tracking System for Incident Energy Maximization and Efficiency Improvement of PV Panels
13	Andrew Rinzler	UF	13325	High Performance Schottky Junction Solar Cells
14	Andrew Rinzler	UF	13583	Active Matrix Nanotube Enabled Vertical Organic Light Emitting Transistor Array
15	Bryan M. Blackburn	UF	13448	Designs & Methods for a Compact, Fuel-Efficient Solid Oxide Fuel Cell System
16	Fan Ren	UF	13280	Normalized Hydrogen Sensing and Methods of Fabricating a Normalized Hydrogren Sensor
17	Franky So	UF	13351	Microcavity OLEDs for Lighting
18	Franky So	UF	13396	The Effect of Charge Blocking Layer on Organic Up-Conversion Device (EC)
19	Franky So	UF	13570	Infrared Pass Visible Mirror for Upconversion Device (EC)
20	Franky So	UF	13571	Upconversion Device With Broad Band Absorber (EC)
21	Franky So	UF	13572	The Effect of Charge Blocking Layer on Photodetector (EC)
22	Jiangeng Xue	UF	13339	Enhanced Thin Film Photovoltaic Performance Through Surface Texturing
23	Jiangeng Xue	UF	13365	Enhanced Thin Film Solar Cell Performance Using Textured Rear Reflectors
24	Jiangeng Xue	UF	13366	Enhanced Thin Film Solar Cell Performance Using Pyramidal Reflectors
25	John Robert Reynolds	UF	13290	Reactive Electroactive Polymer Methods and Compositions, and Devices Therefrom
26	John Robert Reynolds	UF	13345	Macromolucular Additives for Organic Solar Cells
27	John Robert Reynolds	UF	13416	Multi Collored Conjugated Polymers with Highly Transmissive Oxidized State
28	John Robert Reynolds	UF	13579	Cathodically Coloring Yellow Soluble Electrochromic and Light Emitting Polymers
29	K. T. Shanmugam	UF	13397	L-lactic acid production from non-food carbohydrates by <i>Bacillus coagulans</i>

#	Faculty	University	Disclosure / Patent #	Title
30	Kevin S. Jones	UF	13336	Ion Beam Modification of Germanium for Battery Electrodes
31	Michael E. Scharf	UF	13585	Aldo-keto Reductases for Biomass Conversion
32	Regionald Owens	UF	13441	Extra Fuel Lince for Vehicle Fill-up of Gas on Opposite Side
33	Richard A. Yost	UF	13348	Fragmenting Proteins and Peptides in Ion Traps with Reagent Gas
34	Richard A. Yost	UF	13353	Solvation of FAIMS Carrier Gas for Improvement in Performance
35	Shuo Cheng	UF	13509	A Method to Extend Bandwidth of Vibrational Energy Harvester
36	Subrata Roy	UF	13344	Microscale Plasma Actuators
37	Subrata Roy	UF	13400	DBD Wind Tunnel for Improved Flow Characterization
38	Timothy J. Anderson	UF	13296	Nanocrystalline, Ink-based, CuInSe ₂ and Alloys Absorber Layers for Solar Cells
39	Timothy J. Anderson	UF	13502	Nanocrystalline, Ink-Based, CuInSe ₂ and Alloys Absorber Layers for Solar Cells (All reporting done under 13296)
40	Toshikazu Nishida	UF	13526	Asynchronous Impulse Strain-Based Energy Harvesting System
41	Wolfgang M. Sigmund	UF	13513	Superhydrophobic Surfaces Via Hairy Surface Structures
42	Dr. Yoon	UF	13478	Novel Conductive Glass Seal for SOFC Stack and Novel SOFC Fabrication Method
43	John Wolan, Ala'a Kababji	USF	Application # 12039191, US Patent Pending	Catalysts for the Partial Oxidation Reaction of N-Butane to Maleic Anhydride
44	John Wolan, Ali Gardezi, Babu Joseph	USF	# 61/236,317, US Patent Pending	Eggshell Catalyst and method of its Preparation
45	Sarehraz, M., Buckle, K., Stefanakos, E., Weller, T., and Goswami, D.Y.,	USF	US Patent 7,619,570 B1, November 17, 2009.	"Dual-Polarized Feed Antenna Apparatus and Method of Use"
46	Y. Goswami, H.Chen	USF	US patent app. #: 61306780.	"Method and system for generating power from low- and mid- temperature heat sources."
47	Vinay Gupta, Cecil Coutinho, Maya Trotz	USF	US Patent Pending.	Functional Composites formed from Colloidal Polymer Particles with Photocatalytic Metal Oxide (MO _x) Nanoparticles'

6. Technologies Licensed and Revenues Received ([Back to top](#))

During Oct. 1, 2009 to Sep 30, 2010 Period

#	Faculty	University	Title	Licensee	Revenues Received
1	Jim Zheng	FSU	Catalytic Electrode with Gradient Porosity and Catalyst Density for Fuel Cells	Bing Energy	N/A
2	Ali T-Raissi	UCF	Director, UCF-FSEC, AERD	Going Green Savings, Inc.	N/A
3	Andrew Rinzler	UF	High Performance Schottky Junction Solar Cell	Cannot release name due to licensing agreement	N/A
4	Bryan M. Blackburn	UF	Designs & Methods for a Compact, Fuel-Efficient Solid Oxide Fuel Cell System	Cannot release name due to licensing agreement	N/A
5	David Greenspan	UF	GIT Patents through A6602 IIA	Cannot release name due to licensing agreement	N/A
6	Eric Wachsman	UF	Multifunctional Gas Sensor Array with Improved Selectivity	Cannot release name due to licensing agreement	N/A
7	Eric Wachsman	UF	Electric-Field Enhanced Performance In Catalysis and Solid-State Devices Involving Gases	Cannot release name due to licensing agreement	N/A
8	Eric Wachsman	UF	Advanced Materials for Low Temperature SOFCs	Cannot release name due to licensing agreement	N/A
9	Fan Ren	UF	System for Hydrogen Sensing	Cannot release name due to licensing agreement	N/A
10	Fan Ren	UF	Normalized Hydrogen Sensing and methods of Fabrication a Normalized Hydrogen Sensor	Cannot release name due to licensing agreement	N/A
11	John Robert Reynolds	UF	Black Soluble Conjugated Polymers with High Charge Carrier Mobility	Cannot release name due to licensing agreement	N/A
12	John Robert Reynolds	UF	Earth-toned Photovoltaic Devices	Cannot release name due to licensing agreement	N/A
13	John Robert Reynolds	UF	Green Soluble Conjugated Polymers with High Charge Carrier Mobility	Cannot release name due to licensing agreement	N/A
14	John Robert Reynolds	UF	Blue Soluble Donor-Acceptor Conjugated Polymers	Cannot release name due to licensing agreement	N/A
15	Lei Qian	UF	Air Stable Organic-inorganic Nanoparticles Hybrid Solar Cells	Cannot release name due to licensing agreement	N/A
16	Lei Qian	UF	Stable and All Solution Processable Quantum Dot Light-Emitting Diodes	Cannot release name due to licensing agreement	N/A

7. Collaborations with Other Postsecondary Institutions ([Back to top](#))

During Oct. 1, 2009 to Sep 30, 2010 Period

#	Faculty	University	Description of Collaboration	Name of Institution
1	C. Weatherford,	FAMU	Collaborations on fusion research	West Virginia University, Auburn University, and Wisconsin University
2	Dr. Howard Hanson	FAU	Current Resource Modelling/Simul.	Dr. Eric Chasswonignet - FSU - COAPS
3	Dr. Howard Hanson	FAU	Sea Water Hydrolysis	Dr. Ali Raisi - UCF - FSEC
4	Susan Skemp, Caitlin Slezycski	FAU	Power Systems Management	Dr. Steiner Dale, Dr. Rick Meeker - FSU - CAPS
5	Dr. Howard Hanson	FAU	NSF Proposal - Array Design/Control	Dr. Darris White - Embry Riddle Aeronautical Univ.
6	Dr. Howard Hanson	FAU	CRADA -	NREL
7	Susan Skemp	FAU	Research and Testing	Dr. David Lane - Heriot-Watt University, UK
8	Susan Skemp and Dr. Howard Hanson	FAU	Research and Testing	Dr. Henry Jeffrey - U. of Edinburgh, UK
9	Dr. Howard Hanson & Susan Skemp	FAU	Ocean Research and Standards	Dr. Robert Paasch & Dr. Meleah Ashford - Northwest National Marine Renewable Energy Center - Oregon State University
10	Dr. Jim Van Zweiten and Dr, Howard Hanson	FAU	OTEC Research and Standards	Dr. Luis Vega - Univ. of Hawaii, Nat. Marine Renewable Energy Center
11	Dr. Howard Hanson & Susan Skemp	FAU	Ocean Research and Standards	Dr. Brian Polayge - Northwest National Marine Renewable Energy Center - University of Washington
12	Juan "J.C." Ordonez	FSU		Federal University Parana, Brazil
13	Paul Ruscher	FSU	Data Collection point (station)	University of the West Indies (Trinidad)
14	Paul Ruscher	FSU	Data Collection point (station)	University of Technology (Jamaica)
15	Julie Harrington	FSU	Economic Development Study	University of Florida; FESC
16	Timothy S. Chapin	FSU	Urban and Regional Planning	Griffith University Australia
17	Richard C. Feiock	FSU	Network of Energy Sustainable Communities	DOE NSF and Florida Municipalities
18	Mary Stutzman	FSU	FSU Survey Research Laboratory	
19	Mark Powell	NOAA		
20	Steinar Dale	FSU	Florida Smart Grid Workshop	USF

#	Faculty	University	Description of Collaboration	Name of Institution
21	Dave Cartes	FSU	SE BEST DOE ERIC Southeast team	Georgia Tech, Clemson, University of Kentucky, University of Alabama
22	Chris Edrington	FSU	UCF FESC DOE ERIC	UCF, UF
23	Dave Cartes and Sanjeev Srivastava	FSU	Center for Electric Distribution and Automation Research	Sandia, Oakridge and Idaho National Labs, Univ. New Mex., Colorado,
24	Ali T-Raissi	UCF	Joint Proposal	Louisiana State University, Baton Rouge
25	Nazim Muradov	UCF	Preparing Catalysts for Testing	National Institute of Carbon Research, Oviedo, Spain
26	Gary Peter	UF	Co-PI	Univ. California, Davis
27	Gary Peter	UF	Co-PI	North Carolina State U.
28	Gary Peter	UF	Co-PI	Texas A & M
29	Gijs Bosman	UF	Joint Research on hot carrier solar cells	Tim Anderson at UF
30	J. N. Chung	UF	Collaborated with Dr. Yong Tao to write DOE Clean Energy Center proposal	Florida International University
31	Jenshan Lin	UF	Research on Microwave Wireless Power Transmission	Japan Aerospace Exploration Agency
32	Jenshan Lin	UF	Research on Microwave Wireless Power Transmission	Kyoto University
33	Jenshan Lin	UF	Research on Noncontact Vital Sign Sensing	National Sun Yat-Sen University, Taiwan
34	Jenshan Lin	UF	Research on Noncontact Vital Sign Sensing	Texas Tech University
35	Matias Kirst	UF	Co-PI	North Dakota State U.
36	Matias Kirst	UF	DOE sponsored research	ORNL, JGI/DOE
37	Robert Gilbert	UF	Participation in grant project	EARTH Univ., Costa Rica
38	Tapas Das	USF	Working jointly on developing models for analyzing cap and trade policies for CO2 emissions reduction and enhance green power production.	University of Wisconsin-Milwaukee, Industrial Engineering
39	Tapas Das	USF	Jointly developing capacity expansion models and testing them on northern Illinois power network for which data is supplied by Argonne.	Argonne National Laboratory_ Center for Energy, Environmental, and Economic Systems Analysis
40	Tapas Das	USF	Developed collaborative NSF proposal with Iowa State performing the broader impact (educational) component of the proposed work.	Iowa State University, Department of Economics

#	Faculty	University	Description of Collaboration	Name of Institution
41	Don Morel	USF	Collaborating on developing a proposal to the DoE PV hub solicitation.	University of Florida, University of Central Florida and NREL
42	Shekhar Bhansali	USF	collaborating on developing a theoretical model of the physical device from the experimental data, aides in testing of the plasmonic emitter	Sandia National Labs –
43	Shekhar Bhansali	USF	Provides support in exploring bio-mimetic rectenna devices and organic tunnel junction	Draper Labs
44	Shekhar Bhansali	USF	Providing access to manufacturing and testing rectenna elements in Advanced Materials Laboratory	University of New Mexico
45	Shekhar Bhansali	USF	Provides expertise in analytical calculation of tunneling behavior in solid state and molecular junctions	Bhabha Atomic Research Center, India
46	Stan Russell	USF	Team Florida member providing support in Interior design and construction administration	University of Florida
47	Stan Russell	USF	Team Florida Member providing support in mechanical equipment design	Florida State University
48	Stan Russell	USF	Team Florida Member providing support in systems monitoring	University of Central Florida
49	Jorge Monreal	FLATE-HCC	Utilization of research on Sorghum in Bioenergy applications for course material	UF- IFAS
50	Marilyn Barger, Jorge Monreal	FLATE-HCC	Sit on the advisory council of the Banner Center for Energy to promote workforce preparedness for energy jobs	Florida Energy Workforce Consortium Banner Center for Energy Advisory Committee at Indian River State College
51	Marilyn Barger, Jorge Monreal	FLATE-HCC	EST2 grant collaboration to implement an Alternative Energy Systems specialization curriculum framework for a two-year program at State and Community colleges	Tallahassee Community College, Brevard Community College, Florida State College at Jacksonville

8. Collaborations with Private Industry ([Back to top](#))

During Oct. 1, 2009 to Sep 30, 2010 Period

SUS related faculty reported 66 collaborations with industry in this reporting period. Additionally, FESC worked with the SUS university technology transfer office to identify 28 energy related technologies with high commercial potential and FESC is funding the market studies and business plans for the top 15 inventions from 5 universities. These studies and plans will be exposed to industry to accelerate the path of FESC research to commercialization.

#	Faculty	University	Description of Collaboration	Name of Industry
1	Dr. Howard Hanson	FAU	CRADA - Research & Testing and DOE Contract Award	NREL
2	Susan Skemp	FAU	MOU - Research & Testing	NaREC, UK
3	Susan Skemp	FAU	MOU - Energy Distribution & Integration	FPL
4	Susan Skemp	FAU	MOU & Industry Affiliates Program	OBOE
5	Susan Skemp	FAU	MOU & Industry Affiliates Program	Vision Energy
6	Dr. Howard Hanson & Dr. Rick Driscoll	FAU	DOE Contract Awards	Dehlsen Associates
7	Dr. Howard Hanson	FAU	DOE Contract Awards	Ecology & Environment
8	Susan Skemp	FAU	DOE Contract Awards	Lockheed Martin
9	Susan Skemp	FAU	Ocean Energy Issues & Policy	OREC, ASME, ASCE, etc
10	Susan Skemp & Dr. Arockiasamy	FAU	Global Standards	IEC US TC 114 TAG
11	Dr. Pierre Beaujean	FAU	Global Standards	ISO/TC 108/SC 5
12	Chan Hilton	FSU		Florida Department of Environmental Protection
13	Joel Kostka	FSU	Submittal of two research proposals	Midwest Research Institute (MRI)
14	Joel Kostka	FSU	Teach a workshop to Petroalgae personnel on algal cultivation	Petroalgae
15	Joel Kostka	FSU	Optimize growth of algal biomass for fuel from City's wastestream	City of Tallahassee
16	Joel Kostka	FSU	Analysis of waste-stream on cleanup of wastewater (enters St. Johns River) project	Greenpointe, LLC
17	Juan "J.C." Ordonez	FSU		Philippine National Academy
18	Paul Ruscher	FSU	Data Collection point (station)	NOAA/National Weather Service Key West (FL)
19	Paul Ruscher	FSU	Data Collection point (station)	NOAA Global Systems Division, Earth Science Resource Laboratory (Boulder, CO)

#	Faculty	University	Description of Collaboration	Name of Industry
20	Paul Ruscher	FSU	Data Collection point (station)	Caribbean Solar Energy Center (Tobago)
21	Shawn R. Smith	FSU	Background research	Mark Powell, National Oceanographic and Atmospheric Administration
22	Dave Cartes	FSU	Commercialization	Nanophotonica
23	Dave Cartes	FSU	Industrial Advisor/Incubator	Supply Management International LLC
24	Dave Cartes	FSU	Industrial Advisor/Incubator	Mentor Business Resources G
25	Dave Cartes	FSU	Industrial Advisor/Incubator	Marpan Recycling
26	Steinar Dale	FSU	Florida Grid Modeling and Simulation, Utility-University Engagement, including Collaborative Proposals	Florida Reliability Coordinating Council (FRCC)
27	Steinar Dale	FSU	System Restoration Simulation and Analysis	City of Tallahassee Electric Utility
28	Steinar Dale	FSU	Florida Grid Modeling and Simulation, Utility-University Engagement, including Collaborative Proposals	FRCC member utilities (most FL utilities, through FRCC committees)
29	Shawn R. Smith	FSU	Feasibility Study	Siemens Wind Power in Orlando, Florida
30	Shawn R. Smith	FSU	Expanding the offshore wind industry within Florida	Greenberg Traurig PA
31	Ali T-Raissi	UCF	Hydrogen Detection & Production	Going Green Savings, Inc.
32	Ali T-Raissi	UCF	Biofuels from Algal Biomass	AquaFiber Technologies, Corp.
33	Nazim Muradov	UCF	Hydrogen from Methane	Contained Energy, Inc., Ohio
34	Don Rockwood	UF	Research Partnership	Buckeye Cellulose
35	Don Rockwood	UF	Research Partnership	Lykes Brothers
36	Don Rockwood	UF	Research Partnership	Mosaic
37	Gary Peter	UF	Research Contract	ArborGen
38	Gary Peter	UF	Research Cooperative/Partnership	ArborGen
39	Gary Peter	UF	Research Cooperative/Partnership	CelFor
40	Gary Peter	UF	Research Cooperative/Partnership	F&W
41	Gary Peter	UF	Research Cooperative/Partnership	Rayonier
42	Gary Peter	UF	Research Cooperative/Partnership	Research Management Services
43	Gary Peter	UF	Research Cooperative/Partnership	Plum Creek Timber
44	Gary Peter	UF	Research Cooperative/Partnership	Weyerhaeuser
45	J. N. Chung	UF	Developed joint research facility for biomass gasification to energy	Planet Green Solutions in Fairfield, Florida

#	Faculty	University	Description of Collaboration	Name of Industry
46	Jacob Chung	UF	Biomass gasification	PlanetGreen Solutions
47	Jenshan Lin	UF	Research on low power plasma generation	Sestar
48	Jenshan Lin	UF	Research on smart positioning system	Urinary Biosolutions LLC
49	Jenshan Lin	UF	Research on power amplifier	LSI
50	K.S. Jones	UF	proposal writing, fabrication and characterization of samples	Planar Energy Devices
51	Lynn Sollenberger	UF	Provision of grant cost share and miscanthus plants	Speedling, Inc.
52	Lynn Sollenberger	UF	Provision of land for research and cost share	Nutri-Turf, Inc. and Anheuser Busch
53	Oscar Crisalle	UF	EmeraldSmarter Solutions: Sensor instrumentation, predictive controls (UF spin off company)	Emerald Endeavors, Inc.
54	William Lear	UF	Integrated absorption refrigeration development	Energy Concepts Co.
55	William Lear	UF	Synthetic fuel characterization	LPP Combustion LLC
56	William Lear	UF	PoWER system demonstration	Progress Energy
57	William Lear	UF	PoWER system demonstration	Florida Turbine Tech.
58	Don Morel	USF	Cooperative agreement with MVS to develop CIGS processing tools. MVS will contribute \$570K to construct roll-to-roll CIGS processing chamber.	Mustang Vacuum Systems
59	Don Morel	USF	as expressed interest in supplying their proprietary high temperature glass for testing.	Corning
60	Yogi Goswami	USF	Provides power blocks at a reduced rate	Calnetix Power Solutions
61	Yogi Goswami	USF	Provide cost share in DOE project to develop thermal energy storage	Sunborne Energy
62	Jeff Cunningham	USF	1) completion of modeling of subsurface injection of super-critical carbon dioxide at the Polk Power Station, 2) technical consultation on evaluation methods for injection well system at Polk Power Station.	TECO Energy and ECT inc
63	Elias Stefanakos	USF	Provides power blocks at a reduced rate	Calnetix Power Solutions
64	Stan Russell	USF	Industry partner providing support for fabrication facilities and cost estimating	Palm Harbor Homes, Plant City
65	Babu Joseph	USF	Work on the scale up and design of a pilot scale facility for the conversion of biomass to liquid fuels.	Prado & Associates, Consulting Chemical Engineers, Tino Prado President, Tampa, FL
66	Marilyn Barger, Jorge Monreal	FLATE-HCC	EST2 grant Industrial Advisory Board to develop curriculum framework for an Alternative Energy Systems specialization as a two-year program at State and Community colleges	Several industry representatives from the following industries: Solar Photovoltaic, Small Wind, Construction, and Battery Manufacturing.

9. **Students and Post-docs Supported** ([Back to top](#))

During Oct. 1, 2009 to Sep 30, 2010 Period

Total # of Students and Post docs: 268 (Post Docs: 27, PhD: 137, Master: 82, Undergraduate: 22)

#	Faculty	University	Student Name	MS/PhD/Post - Doc
1		FAMU	Dr. Charlemagne Akpovo (Physics)	Post-Doc
2		FAMU	Dr. Gennady Gutsev (Physics)	Post-Doc
3		FAMU	Dr. Dawn Lewis (Chemistry)	Post-Doc
4		FAMU	Dr. Genzo Tanaka (Physics)	Post-Doc
5		FAMU	Dr. Delonia Wiggins (Physics)—received Ph.D. Spring 2010	Post-Doc
6		FAMU	Dr. Xingjun Zhang (Physics)	Post-Doc
7		FAMU	Yoseph Abere (Physics)	Ph.D.
8		FAMU	John Branch (Environmental Science)	Ph.D.
9		FAMU	Staci Brown (Physics)	Ph.D.
10		FAMU	Daniel Gebremedhin (Physics)	Ph.D.
11		FAMU	Patrice Jackson (Physics)	Ph.D.
12		FAMU	Dwayne Joseph (Physics)	Ph.D.
13		FAMU	Jorge Martinez (Physics)	Ph.D.
14		FAMU	James Titus (Physics)	Ph.D.
15		FAMU	Roy Tucker (Physics)	Ph.D.
16		FAMU	Edwin Quashie (Physics)	Ph.D.
17		FAMU	Johnny Williamson (Physics)	Ph.D.
18		FAMU	Albert Wynn III (Physics)	Ph.D.
19		FAMU	Alonzo Brandon Alexander (Physics Education)	MS
20		FAMU	Ms. Antoinette Addison (Chemistry)	Undergrad
21		FAMU	Mr. Jason Caldwell (Chemistry)	Undergrad
22		FAMU	Ms. Teresa Eaton (Chemistry)	Undergrad
23		FAMU	Mr. Kimani Gopaul (Physics)	Undergrad
24		FAMU	Ms. Mercedes Jackson (Chemistry)	Undergrad

#	Faculty	University	Student Name	MS/PhD/Post - Doc
25		FAMU	Mr. Kevin Jones (Physics)	Undergrad
26		FAMU	Mareena Robinson (Physics)	Undergrad
27		FAMU	Alexander Schroeder (Physics)	Undergrad
28		FAMU	Mr. Brantly Scott (Chemistry)	Undergrad
29		FAMU	Ms. Marquita Scott (Physics)	Undergrad
30		FAMU	Ms. Chatney Spencer (Chemistry)	Undergrad
31		FAMU	Ms. Kalisa Villafana (Physics)	Undergrad
32	Bassem Alhalabi	FAU	Abishek Duraiswamy	MS
33	Bassem Alhalabi	FAU	Lad Vaibav	MS
34	Bassem Alhalabi	FAU	Najem Toor	MS
35	Bassem Alhalabi	FAU	Raviteja Gadipudi	MS
36	Chaoki Ghenai	FAU	Benjamin Garry Oliver	MS
37	Chi-Tay Tsai	FAU	Quingde Chen	MS
38	Chi-Tay Tsai	FAU	Jorge Joaquin Perez, Jr	MS
39	George Frisk	FAU	Ryan Rundle	MS
40	Hari Kalva	FAU	Sagar Aghera	MS
41	Hari Kalva	FAU	Rafael Giusti	MS
42	Hari Kalva	FAU	Asif Rahman	MS
43	Hari Kalva	FAU	Wazim Reza	MS
44	Hassan Mahfuz	FAU	Mohammad Wasim Akram	MS
45	Hassan Mahfuz	FAU	Fang Zhou	MS
46	Ionut Cardei	FAU	Timur Tavlilov	MS
47	Isaac Elishakoff	FAU	Yohann Miglis	MS
48	Jeanette Wyneken	FAU	Erin McMichael	PhD
49	Jim VanZwieten	FAU	Aaron Donnelly Fisher	MS
50	Jim VanZwieten	FAU	Andrew Krupski	MS
51	Jim VanZwieten	FAU	James Lovenbury	MS
52	Jim VanZwieten	FAU	Lynn Rauchenstein	MS
53	Jim VanZwieten	FAU	Michael Seibert	MS
54	Jim VanZwieten	FAU	Basil Lee Hacker, Jr	MS
55	Jim VanZwieten	FAU	Allison Cribbs	MS
56	Jim VanZwieten	FAU	Matthew Young	MS
57	Judith Benson, Coordinator	FAU	Elizabeth Wojtisek	MS
58	Madasamy Arockiasamy	FAU	Shaun Hurley	MS
59	Madasamy Arockiasamy	FAU	Junior Senat	MS

#	Faculty	University	Student Name	MS/PhD/Post - Doc
60	Madasamy Arockiasamy	FAU	Amit Janesh Singh	MS
61	Manhar Dhanak	FAU	Dimitrios Psarrou	MS
62	Manhar Dhanak	FAU	Alana Smentek	PhD
63	Stewart Glegg	FAU	Julian Guerra	MS
64	Taghi Khoshgoftaar	FAU	Janell Duhaney	MS
65	Taghi Khoshgoftaar	FAU	Randall Wald	MS
66	Zhuang/Erdol	FAU	Savaskan Bulek	MS
67	Zhuang/Erdol	FAU	Ryan Thew	MS
68	Zhuang/Erdol	FAU	Mahdi Esfahanian	MS
69	Anjane'yulu' Krothapalli	FSU	Akintunde Badaru	MS
70	Anjane'yulu' Krothapalli	FSU	John Dascomb	PhD
71	Anjane'yulu' Krothapalli	FSU	John Dascomb	MS
72	Anjane'yulu' Krothapalli	FSU	Jonathan Pandolfini	MS
73	Anjane'yulu' Krothapalli	FSU	Justin Kramer	MS
74	Anjane'yulu' Krothapalli	FSU	Malikarun Bhadrashetti	Ph.D.
75	Anjane'yulu' Krothapalli	FSU	Michael Gnos	MS
76	Anjane'yulu' Krothapalli	FSU	Shannon Ingersoll	MS
77	Anjane'yulu' Krothapalli	FSU	Ifegwu Eziyi	PhD
78	Anjane'yulu' Krothapalli	FSU	Jon Pandolfini	PhD
79	Chan Hilton	FSU	Andres Lastra	MS Civil Eng./Sc. Comp.
80	Chan Hilton	FSU	Chandra McGee	PhD Civil Eng.
81	Chan Hilton	FSU	Gustavo Munoz	BS Civil Eng.
82	Chan Hilton	FSU	Sandip Patil	PhD Civil Eng.
83	David Cartes	FSU	Akintunde Badaru	MS
84	David Cartes	FSU	Gina Teofilak	Undergraduate
85	David Cartes	FSU	Il Yop (David) Chung	Post-Doc
86	David Cartes	FSU	Passinam Tatcho	MS
87	David Cartes	FSU	Siyu Leng	Ph.D.
88	J.B. Ruhl	FSU	Andrew Fier	JD, Law
89	J.B. Ruhl	FSU	Sarah Berner	JD, Law
90	Joel Kostka	FSU	Claire Smith	PhD, Oceanography
91	Joel Kostka	UGA	Juergen Wiegel	Post-Doc
92	Joel Kostka	FSU	Kristina Welch	MS, Oceanography
93	Joel Kostka	FSU	Om Prakash	Post-Doc
94	Joseph Cronin	FSU	Ed Ramirez	PhD
95	Joseph Cronin	FSU	Jacqui Bybee	PhD

#	Faculty	University	Student Name	MS/PhD/Post - Doc
96	Joseph Cronin	FSU	Jeremy Wolter	PhD
97	Joseph Cronin	FSU	Mark Gleim	PhD
98	Joseph Cronin	FSU	Stephanie Lawson	PhD
99	Juan "J.C." Ordonez	FSU	Quinn Straub	MS, Mech. Eng.
100	Juan "J.C." Ordonez	FSU	Tom Tracy	MS, Mech. Eng.
101	Paul Ruscher	FSU	Timothy Sliwinski	BS, Meteorology
102	Paul Ward	FSU	Avner Dachoach	PhD, Psychology
103	Paul Ward	FSU	Guler Aarsal	PhD, Educational Psychology
104	Paul Ward	FSU	Jackie Kott	PhD, Psychology
105	Paul Ward	FSU	Jarrett Evans	PhD, Psychology
106	Paul Ward	FSU	Jason Torof	Post-Doc, Psychology
107	Paul Ward	FSU	Katerina Kudlockova	PhD, Ed. Psychology
108	Paul Ward	FSU	Michael Marshall	Undergraduate
109	Paul Ward	FSU	Stephanie Robertson	PhD, Ed. Psychology
110	Philip Steinberg	FSU	Adam Keul	Ph.D.
111	R. Mark Issac	FSU	Sean Collins	PhD, Economics
112	Richard Feiock	FSU	Charles Andrews	MPA
113	Richard Feiock	FSU	Ha	PhD
114	Richard Feiock	FSU	Ha	PhD
115	Richard Feiock	FSU	Hyunsang Ha	Ph.D.
116	Richard Feiock	FSU	In Won Lee	Post Doc
117	Richard Feiock	FSU	Jongsun Park	PhD
118	Richard Feiock	FSU	Anthony Kassekert	PhD
119	Richard Feiock	FSU	Kristen Holder	undergraduate
120	Richard Feiock	FSU	Lee	PhD
121	Richard Feiock	FSU	Mary Jo Spector	MS
122	Richard Feiock	FSU	Rizalino Cruz	Ph.D.
123	Richard Feiock	FSU	Sang Chul Park	Ph.D.
124	Richard Feiock	FSU	Steve Traylor	Undergraduate
125	Richard Feiock	FSU	Hongtao Yi	PhD
126	Shawn R. Smith	FSU	Cristina Collier	BS, Meteorology
127	Steinar Dale	FSU	Harsha Ravindra	MS, Mechanical Eng.
128	Steinar Dale	FSU	Thamer Alquthami	MS, Mech. Eng.
129	Svetlana Pevnitskaya	FSU	Matthew Cutillo	PhD, Economics
130	Svetlana Pevnitskaya	FSU	Sean Collins	PhD, Economics
131	Tingting Zhao	FSU	John Sulik	Ph.D.
132	Tingting Zhao	FSU	Tim Kelleher	PhD
133	U. Meyer-Baese	FSU	Bhattacharya	PhD
134	U. Meyer-Baese	FSU	J. Xu	PhD
135	Uma Outka	FSU	Andrew Fier	Law

#	Faculty	University	Student Name	MS/PhD/Post - Doc
136	Uma Outka	FSU	Sarah Berner	Law
137	Ali T-Raissi	UCF/FSEC	Amit Gujar	Post-Doc
138	Ali T-Raissi	UCF/FSEC	Kellee Nelson	MS
139	Ali T-Raissi	UCF/FSEC	Daniel Braeuning	Visiting
140	Charles Cromer	UCF/FSEC	Pablo Izquierdo	Ph.D.
141	Darlene Slattery	UCF/FSEC	Paul Brooker	Post-Doc
142	Darlene Slattery	UCF/FSEC	Benjamin Pearman	Ph.D.
143	Darlene Slattery	UCF/FSEC	Stephen Rhoden	Ph.D.
144	Darlene Slattery	UCF/FSEC	William Rigdon	Ph.D.
145	N. Kutkut	UCF	Kejiu Zhang	Ph.D.
146	N. Kutkut	UCF	Souhaib Harb	Ph.D.
147	N. Kutkut	UCF	Karthik Padmanabhan	Ph.D.
148	N. Kutkut	UCF	Xiang Fang	Ph.D.
149	N. Kutkut	UCF	Ala Alsaeed	Ph.D.
150	Nazim Muradov	UCF/FSEC	Beatrice Fidalgo	Visiting
151	Neelkanth Dhere	UCF/FSEC	Gustavo Gamboa	MS
152	Nicoleta Sorloaica-Hichman	UCF/FSEC	Kris Davis	Ph.D.
153	Nicoleta Sorloaica-Hichman	UCF/FSEC	Amare Benoar Belay	Post-Doc
154	Nicoleta Sorloaica-Hichman	UCF/FSEC	Wei Zhou	Post-Doc
155	Zhihuya Qu	UCF	Shiyuan Jin	Ph.D.
156	Zhihuya Qu	UCF	Steven Helkin	MS
157	Zhihuya Qu	UCF	Carlos Velez	MS
158	Zhihuya Qu	UCF	Karan Kutty	MS
159	Franky So	UF	Fred Steffy	PhD
160	Franky So	UF	Jeg Subbiah	post-doc
161	Gary Peter	UF	J. Vogel	Postdoc
162	Gary Peter	UF	Amrit Ghimire	Ph.D.
163	Gary Peter	UF	Patricio Munoz	Ph.D.
164	Gary Peter	UF	Alejandro Riveros Walker	Ph.D.
165	Gary Peter	UF	Jianxing Zhang	Ph.D.
166	Gijs Bosman	UF	Yige Hu	PhD
167	Hahn, Klausner	UF	Richard Stehle	Ph.D.
168	Hahn, Klausner	UF	Michael Bobek	Ph.D.
169	Hahn, Klausner	UF	Kyle Allen	Ph.D.
170	Hahn, Klausner	UF	Like Li	Ph.D.
171	Helena Weaver	UF	Justin Dodson	Ph.D.
172	Jacob N. Chung	UF	Elango Balu	Ph.D.
173	Jacob N. Chung	UF	Sada Sekar Gopan	M.S.
174	James Heaney	UF	Ken Friedman	ME/PhD
175	James Heaney	UF	John Palenchar	ME
176	James Heaney	UF	Miguel Morales	ME/PhD
177	James Heaney	UF	John McCary	PhD
178	James Heaney	UF	Camilo Cornejos	Post-Doc
179	James Heaney	UF	Katerina Tsikari	Post-Doc

#	Faculty	University	Student Name	MS/PhD/Post - Doc
180	James Heaney	UF	Joong Lee	Post Doc
181	James Heaney	UF	James Green	MS
182	Jenshan Lin	UF	Te-Yu Kao	PhD
183	Jenshan Lin	UF	Jaime Garnica	PhD
184	Jenshan Lin	UF	Yan Yan	PhD
185	Jenshan Lin	UF	Xiaogang Yu	PhD
186	Jenshan Lin	UF	Gabriel Reyes	MS
187	Jiangeng Xue	UF	Ying Zheng	Ph.D.
188	Jiangeng Xue	UF	Yixing Yang	Ph.D.
189	Jiangeng Xue	UF	Zhifeng Li	M.S.
190	Joao Vendramini	UF	Andre Aguiar	PhD
191	John Erickson	UF	Kenneth Woodard	Postdoc
192	John Erickson	UF	Jeffrey Fedenko	MS
193	John Erickson	UF	Arkorn Soikew	MS
194	Jon Steward	UF	Bradford Sullivan	Post Doc
195	K. T. Shanmugam	UF	Yue Su	Ph. D.
196	K. T. Shanmugam	UF	Brelan Moritz	Ph. D.
197	K. T. Shanmugam	UF	Mun Su Rhee	Post-doc
198	K. T. Shanmugam	UF	Qingzhao Wang	Post-doc
199	Kevin Jones	UF	Nikolas Vito	Ph.D.
200	Lynn Sollenberger	UF	Miguel Castillo	PhD
201	Lynn Sollenberger	UF	Chae-In Na	Ph.D.
202	Lynn Sollenberger	UF	Kesi Liu	Ph.D.
203	Lynn Sollenberger	UF	Kim Cline	Ph.D.
204	Lynn Sollenberger	UF	Daniel Pereira	M.S.
205	Lynn Sollenberger	UF	Nick Krueger	M.S.
206	Lynn Sollenberger	UF	Kesi Liu	Postdoc
207	Matias Kirst	UF	Juan Acosta	Ph.D.
208	Pratap Pullammanappallil	UF	Diane Chaulic	PhD
209	Pratap Pullammanappallil	UF	Abhay Koppar	PhD
210	Pratap Pullammanappallil	UF	Sachin Gadekar	PhD
211	Pratap Pullammanappallil	UF	Robert Diltz	PhD
212	Pratap Pullammanappallil	UF	Zhuoli Tian	PhD
213	Pratap Pullammanappallil	UF	David Palubin	PhD
214	Pratap Pullammanappallil	UF	Patrick Dube	PhD
215	Pratap Pullammanappallil	UF	Abhishek Dhoble	MS
216	Pratap Pullammanappallil	UF	Samriddhi Buxy	MS
217	Pratap Pullammanappallil	UF	Douglas Renk	MS

#	Faculty	University	Student Name	MS/PhD/Post - Doc
218	Pratap Pullammanappallil	UF	Mandu Inyang	MS
219	Pratap Pullammanappallil	UF	Cesar Moreira	MS
220	Robert Gilbert	UF	Pedro Korndorfer	MS
221	Robert Gilbert	UF	Jim Shine	PhD
222	Sabine Grunwald	UF	Gustavo Vasques	Post-Doc
223	Shirley Meng	UF	Chris Fell	Ph.D.
224	Shirley Meng	UF	Alex Emly	Undergrad
225	Shirley Meng	UF	Thomas McGilvray	Undergrad
226	Shirley Meng	UF	Ming-Che Yang	Ph.D.
227	Tim Anderson	UF	Vaibhav Chaudhari	Ph.D.
228	Tim Anderson	UF	Rangarajan Krishnan	Ph.D.
229	Tim Anderson	UF	Albert B. Hicks	Ph.D.
230	Tim Anderson	UF	Christopher Muzzillo	Ph.D.
231	Tim Anderson	UF	David Wood	Ph.D.
232	Tim Anderson	UF	Michael Hague	Ph.D.
233	Tim Anderson	UF	Seo Young Kim	Ph.D.
234	Tim Anderson	UF	Joseph C. Revelli	Ph.D.
235	William E. Lear Jr.	UF	Minki Kim	M.S.
236	William E. Lear Jr.	UF	Kurt Schulze	Ph.D.
237	Babu Joseph	USF	Nianthrini Balakrishnan	Ph.D.
238	Babu Joseph	USF	Bijith Mankidy	Ph.D.
239	Babu Joseph	USF	Ali Gardezi	MS and Ph.D.
240	Babu Joseph	USF	Chi Ta (partially)	Ph.D.
241	Babu Joseph	USF	Sandra Pettit (partially)	Ph.D.
242	Babu Joseph	USF	Matt Wetherington	BS
243	Babu Joseph	USF	Lucky Landgren	BS
244	Don Morel	USF	Ryan Anders	PhD
245	Don Morel	USF	Sree Satya Kanth Benapudi	MS
246	Don Morel	USF	Keshavanand Jayadevan	MS
247	Don Morel	USF	Y. Wang	PhD
248	Jeffrey Cunningham	USF	Shadab Anwar	Post-doc
249	Jeffrey Cunningham	USF	Saeb Besarati	PhD
250	Jeffrey Cunningham	USF	Arlin Briley	MEVE
251	Jeffrey Cunningham	USF	Tina Roberts-Ashby	PhD
252	Jeffrey Cunningham	USF	Mark Thomas	MSEV
253	Shekhar Bhansali	USF	Rudran Ratnadurai	Ph.D.
254	Shekhar Bhansali	USF	Michael Celestin	Ph.D.
255	Shekhar Bhansali	USF	Samantha Wijewardane	Ph.D.
256	Shekhar Bhansali	USF	Justin Boone	Ph.D.
257	Stanley Russell	USF	Mario Rodriguez	MS
258	Stanley Russell	USF	Jon Brannon	MS
259	Tapas Das	USF	Patricio Rocha	Ph.D. continuing
260	Tapas Das	USF	Ehsan Salimi	Ph.D. continuing
261	Yogi Goswami	USF	Chen, Huijuan	Ph.D.
262	Yogi Goswami	USF	Li, Chennan	Ph.D.

#	Faculty	University	Student Name	MS/PhD/Post - Doc
263	Yogi Goswami	USF	Demirkaya, Gokmen	Ph.D.
264	Yogi Goswami	USF	Saeb Besarati	Ph.D.
265	Yogi Goswami	USF	Trahan, Jamie	Ph.D.
266	Yogi Goswami	USF	Zhang, Yangyang	Ph.D.
267	Yogi Goswami	USF	Vasquez padilla , Ricardo	Ph.D.
268	Yogi Goswami	USF	O. Kofi Dalrymple	Ph.D.

10. Students Graduated ([Back to top](#))

#	Faculty	University	Student Name	MS/PhD/Post -Doc
1		FAMU	Delonia Wiggins, Physics	Ph.D.
2	Ananthakrishnan	FAU	Aneesh Goly	MS
3	Francisco Presuel-Moreno	FAU	Nicholas Gantiva	MS
4	Jim VanZwieten	FAU	Nicholas Vanrietvelde	MS
5	Khoshgoftaar	FAU	John Sloan	PhD
6	Manhar Dhanak	FAU	Zaqie Reza	MS
7	Nick Xiros	FAU	Kevin Cook	MS
8	Nick Xiros	FAU	Khalid Kaiser	MS
9	Nick Xiros	FAU	Mustapha Mijit	MS
10	Richard Granata	FAU	Andrew Bak	MS
11	Zhuang/Erdol	FAU	Lin Huang	MS
12	Ogni Englander	FSU	Erin Holley	MS
13	Ogni Englander	FSU	Nicola Kissoon	MS
14	Svetlana Pevnitskaya	FSU	Sean Collins	PhD
15	Ali T-Raissi	UCF	Kellee Nelson	MS
16	Eric D. Wachsman	UF	Jinsoo Ahn	Ph.D.
17	Eric D. Wachsman	UF	Eric Armstrong	Ph.D.
18	Eric D. Wachsman	UF	Sean Bishop	Ph.D.
19	Eric D. Wachsman	UF	Bryan Blackburn	Ph.D.
20	Eric D. Wachsman	UF	Matthew Camaratta	Ph.D.
21	Eric D. Wachsman	UF	Danijel Gostovic	Ph.D.
22	Eric D. Wachsman	UF	Doh Won Jung	Ph.D.
23	Eric D. Wachsman	UF	Cynthia Kan	Ph.D.
24	Eric D. Wachsman	UF	Byung Wook Lee	Ph.D.
25	Eric D. Wachsman	UF	Kang Taek Lee	Ph.D.
26	Eric D. Wachsman	UF	Jianlin Lee	Ph.D.
27	Eric D. Wachsman	UF	Matthew Barnett	MS
28	Eric D. Wachsman	UF	Dong Jo Oh	Ph.D.
29	Eric D. Wachsman	UF	Eric Macam	Ph.D.
30	Heaney, J.	UF	Friedman, K.	ME
31	Heaney, J.	UF	Palenchar, J.	ME
32	Heaney, J.	UF	Morales, M.	ME
33	Jacob N. Chung	UF	Harsh Khandelwal	MS
34	Jenshan Lin	UF	Joaquin Casanova	PhD
35	Jenshan Lin	UF	Jason Taylor	MS
36	Jenshan Lin	UF	Austin Chen	PhD
37	Lynn Sollenberger	UF	Kesi Liu	Ph.D.
38	Yogi Goswami	USF	Abutayeh Mohammad	Ph.D.
39	Yogi Goswami	USF	Latchman Drupati	M.S.
40	Jeff Cunningham	USF	Roland Okwen	Ph.D.
41	Jeff Cunningham	USF	Douglas Oti	Ph.D.

11. Business Start-Ups in Florida ([Back to top](#))
During Oct. 1, 2009 to Sep 30, 2010 Period

#	Faculty Involved	University	Name of Business	Location	Date Start Up	# of Employees
1	Jim Zheng	FSU	Bing Energy	Tallahassee FL	2010/10/01	10, expect 100 in January 2011
2	Ali T-Raissi	UCF	Going Green Savings, Inc.	St. Cloud, FL	1/2010	1
3	Don Rockwood	UF	Florida FGT	Gainesville, FL	2/1/10	2
4		UF	OsComp Systems Inc	Cambridge, FL	8/25/10	1
5	Oscar Crisalle	UF	RedOx Fuel Cells, Inc	Gainesville, FL	5/1/10	3
6		UF	Apollidon, Inc	Oldsmar, FL	5/1/10	1
7	Paul Hollaway	UF	NanoPhotonica, Inc	Longwood, FL	4/1/10	3

12. Specialized Industry Training and Education ([Back to top](#))
During Oct. 1, 2009 to Sep 30, 2010 Period

Outreach Activities

#	University	Description (Event Name, Faculty, Location, Date)
1	FAU	Microsoft Project Training; Gabe Alsenas, Laurie Bransdorf, Erick Busold, Shirley Ravenna, Caitlin Slezycki, James Vanzwieten, Elaine Kratz; SeaTech - Dania Beach, FL; May 19-21, 2010
2	FAU	Caitlin Slezycki EH&S Hazardous Waste Awareness & Handling Boca campus 3/2/10
3	FAU	Caitlin Slezycki EH&S Laboratory Safety Boca campus 3/2/10
4	FAU	Caitlin Slezycki EH&S Fire safety in Laboratories Boca campus 3/2/10
5	FAU	EH&S Fire Extinguisher; Caitlin Slezycki; Boca campus 3/2/10
6	FAU	EH&S Electrical Safety; Caitlin Slezycki; Boca campus 3/2/10
7	FAU	Caitlin Slezycki EH&S Boca campus LockOut/TagOut 3/2/10
8	FAU	Caitlin Slezycki EH&S Boca campus General office Safety Training
9	FAU	Caitlin Slezycki AAUS Scientific Diver Boca campus 2/24/10
10	FAU	Caitlin Slezycki PADI Dive Master Boca campus 6/5/10
11	FAU	Caitlin Slezycki TDI Advanced Nitrox Boca campus 7/11/10
12	FAU	Caitlin Slezycki Emergency First Responder (CPR,AED,First Aid Certified Boca campus 1-6-09
13	FAU	Caitlin Slezycki Oxygen First Aid for Scuba Diving Injuries Boca campus 9/17/09
14	FAU	Caitlin Slezycki Effective Communication at Work Boca campus 1/3/10
15	FAU	Caitlin Slezycki Performance Management Workshop Boca campus 2/18/10
16	FAU	Caitlin Slezycki Performance Management Systems Training SeaTech 1/27/10
17	FAU	Caitlin Slezycki Diving Equipment and Marketing Association show Orlando FL 11-6-7/09
18	FAU	Caitlin Slezycki National Instruments Technical Symposium Ft Lauderdale 12/8/09
19	FAU	Laurie Bransdorf Open Water Scuba Certification 5/6/10
20	FAU	Elaine Kratz Advanced Open Water Scuba Certification 5/8/10
21	FAU	Laurie Bransdorf SNMREC Educators Curriculum Jupiter campus, SeaTech campus and Boca campus 8/14/10, 9/25/10, 10/2/10
22	FAU	CODAR System; Elaine Kratz; Mountain View, CA; May 2010
23	FSU	Smart Grid Workshop at FESC 2009
24	UCF	Energy Gauge Training, N. Moyer, T. Kucharski, Cocoa, FL, 15 Classes, 444 Students, Training sessions at 3 levels. Trained 6 individuals.
25	UCF	Weatherization Training, N. Moyer, T. Kucharski, Cocoa, FL, 6 training sessions at 5 days of training, 3 sessions to 108 individuals.
26	UCF	Solar Water Heating Workshop, J. Harrison, B. Guiney, Cocoa, FL, Three workshops held - trained 150 individuals.
27	UCF	PV Installation Workshop, J. Harrison, et al., Cocoa, FL, Held once a month -- trained 242 individuals in 12 months.
28	UCF	Train-the-Trainer SWH Workshops, Two workshops held. Trained 42 faculty members from Southeast U.S.
29	UCF	Train-the-Trainer PV Workshop, One held. Trained 30 faculty members from the Southeast U.S.
30	UCF	Solar Thermal Test Operations, Two sessions held. Trained 4 individuals each session.

#	University	Description (Event Name, Faculty, Location, Date)
31	UF	PV short course for Korean visiting students, Gijs Bosman, Tim Anderson, Mark Davidson, August 23-27, 2010
32	UF	UF/IFAS Grass Bioenergy Field Day; Sollenberger, Gilbert, Erickson, and Vendramini; Plant Science Research Unit, Citra, FL; 7/15/10
33	UF	Invited speakers at the 2010 Farm to Fuel Summit included Sollenberger, Erickson, and Gilbert; Orlando, FL; 8/12/10
34	UF	Leadership retreat for utility executives and senior management. Dr. Mark Jamison and Araceli Castaneda, PURC. August 25-26, 2010. Anaconda, MT.
35	UF	FL Section AWWA Workshop on Water Conservation software, Jim Heaney, Orlando, FL, 12/1/09
36	HCC-FLATE	The Science and Technologies of Energy Efficient Buildings (conducted at HI-TEC 2010)