New SoE Faculty 2010

- Dr. R. Maric
- Dr. J. Bi
- Dr. S. Jang
- Dr. C. Cornelius
- Dr. P. Zhang
- Dr. A. Mhadeshwar
- Dr. M. Nieh
- Dr. K. Wille
- Dr. D. Burkey
- Dr. T. Hennessey
- Mr. D. Gilbertson
New SoE Staff Members 2010

- Mr. Donald Swinton  Asst. Development Officer
- Mr. Mike Wisniewski  Springboard Manager
- Mr. Hadi Bozorgmanesh  UConn R&D Corp’s Director of Engineering and Physical Sciences
- Ms. Robin Bienemann  Entrepreneur in Residence
- Ms. Sheila Ciccone  C2E2 Program Assistant
- Ms. Martha Besade  ETS Program Assistant
- Ms. Dianna Hyland  SOE Program Assistant
- Ms. Aida Ghiaei  NSF-GK-12 and NSF-FIF Scholarships Project Manager
Announcements

- Yong Wang receives NSF CAREER Award + 2 new NSF Award
- Rampi Ramprasad, UTC Professor of Engineering Innovation
- Robert Gao and SoE will host the NSF CAREER Workshop in Apr ’11
- Jiong Tang, UTC Professor of Engineering Innovation
- Don Peterson appointed as interim Director of BME
- Nick Lownes appointed as Director of UTC Center for Transportation & Livability
Announcements

- $7M DOD MURI on advanced energy storage devices (Ramprasad)
  - RPI, Columbia, Penn State, Akron
- $4M DoE EERE Award for C2E2 on Sustainable Energy (P. Singh)
  - 12 projects with industry match
- USAID-Ethiopia Project selected (Gebremichael/Accorsi/ Anagnostou/Wang/Bagtzoglou)
- $3.2M Regenerative Engineering (Laurencin)
- NSA Center of Academic Excellence in IA Research (Chandy)
- NIH RO1 on Motif Search Algorithms (Sanguthevar and Ammar)
  - UNLV, U. of Florida
- $3.3M in gifts and commitments for SoE
- John and Donna Krenicki Professorship in Biomedical Engineering ($750K)
- Bequests:
  - William Hewitt Professorship in Nanotechnology ($1.5M)
  - John Lof Professorship & Graduate Fellowship ($1M)
  - Lindblad Scholarship ($1.25M)
Announcements

- Manos Anagnostou, CEE: NU Foundation Professor in Environmental Engineering
- Eric Jordan, ME: UTC Professor in Advanced Materials Processing
- Search for UTC Professorship in Thermal-Fluids Engineering (Dr. P. Singh)
- Search for UTC Professorship in Systems Engineering (Dr. Y. Bar-Shalom)
Chair and Named Professors

- Emmanouil N. Anagnostou, Northeast Utilities Foundation Chair Professor in Environmental Engineering
- Robert X. Gao, Pratt & Whitney Chair Professor in Engineering
- Hanchen Huang, SOE Professor in Sustainable Energy
- Eric H. Jordan, UTC Professor of Advanced Materials & Processing
- Peter B. Luh, SNET Chair Professor of Comm & Information Technologies
- Radenka Maric, SOE Professor in Sustainable Energy
- Sanguthevar Rajasekaran, UTC Professor of Computer Science
- Yaakov Bar Shalom, Marianne E. Klewin Professor in Engineering
- Prabhakar Singh, UTC Chair Professor in Fuel Cell Technology
- Chih-Jen (Jackie) Sung, SOE Professor in Sustainable Energy
## 2010 Performance

<table>
<thead>
<tr>
<th></th>
<th>CEE</th>
<th>CMBE</th>
<th>CSE</th>
<th>ECE</th>
<th>ME</th>
</tr>
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<tr>
<td>Faculty</td>
<td>22</td>
<td>28</td>
<td>20</td>
<td>23</td>
<td>23</td>
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<td>2010 Jour Articles</td>
<td>50</td>
<td>107</td>
<td>46</td>
<td>111</td>
<td>105</td>
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<td>2010 Conf. Proceed</td>
<td>67</td>
<td>116</td>
<td>76</td>
<td>156</td>
<td>105</td>
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<td>Research Exp.</td>
<td>$3.8M</td>
<td>$4.4M</td>
<td>$3.2M</td>
<td>$5.2M</td>
<td>$5.5M</td>
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<tr>
<td>Prop Subm</td>
<td>78</td>
<td>117</td>
<td>57</td>
<td>84</td>
<td>102</td>
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<td>Prop Value</td>
<td>$22M</td>
<td>$97M</td>
<td>$40M</td>
<td>$36M</td>
<td>$56M</td>
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<td>New Awards</td>
<td>$3.4M</td>
<td>$10.3M</td>
<td>$2.7M</td>
<td>$6.4M</td>
<td>$9.0M</td>
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</table>
Research Performance

- Strong collaborations with
  - NEAG
  - CLAS
  - Pharmacy
  - Fine Arts
  - Medicine
  - Dental Med
  - CANR
  - UITS

- 90% of faculty serve as PI/Co-PI
- Average of 4+ proposals per faculty
- Multi-investigator, multi-university proposals and awards
# 2010 Departmental Activities

<table>
<thead>
<tr>
<th></th>
<th>CEE</th>
<th>CMBE</th>
<th>CSE</th>
<th>ECE</th>
<th>ME</th>
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<tbody>
<tr>
<td>Faculty</td>
<td>22</td>
<td>28</td>
<td>20</td>
<td>23</td>
<td>23</td>
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<td>UG Students</td>
<td>316</td>
<td>420</td>
<td>335</td>
<td>293</td>
<td>576</td>
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<td>Grad Students</td>
<td>107</td>
<td>139</td>
<td>100</td>
<td>129</td>
<td>119</td>
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<tr>
<td>PhD Students</td>
<td>35</td>
<td>109</td>
<td>71</td>
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<tr>
<td>BS Degrees</td>
<td>70</td>
<td>50</td>
<td>44</td>
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<td>MS Degrees</td>
<td>8</td>
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<td>15</td>
<td>8</td>
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<td>PhD Degrees</td>
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<td>10</td>
<td>12</td>
<td>9</td>
<td>7</td>
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<td>8</td>
<td>24</td>
<td>20</td>
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<td>7/08 – 6/2010</td>
<td></td>
<td></td>
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<tr>
<td>Patents</td>
<td>0</td>
<td>32</td>
<td>1</td>
<td>38</td>
<td>1</td>
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<tr>
<td>7/08 – 6/2010</td>
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## 2009 Top Public Institutions

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<tr>
<th>Top Public School Ranking</th>
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<tr>
<td>1</td>
<td>University of California--Berkeley</td>
</tr>
<tr>
<td>2</td>
<td>University of California--Los Angeles</td>
</tr>
<tr>
<td>2</td>
<td>University of Virginia</td>
</tr>
<tr>
<td>4</td>
<td>University of Michigan--Ann Arbor</td>
</tr>
<tr>
<td>7</td>
<td>Georgia Institute of Technology</td>
</tr>
<tr>
<td>7</td>
<td>University of California--San Diego</td>
</tr>
<tr>
<td>9</td>
<td>University of Illinois--Urbana-Champaign</td>
</tr>
<tr>
<td>9</td>
<td>University of Wisconsin--Madison</td>
</tr>
<tr>
<td>11</td>
<td>University of California--Davis</td>
</tr>
<tr>
<td>11</td>
<td>University of California--Santa Barbara</td>
</tr>
<tr>
<td>11</td>
<td>University of Washington</td>
</tr>
<tr>
<td>14</td>
<td>University of California--Irvine</td>
</tr>
<tr>
<td>15</td>
<td>Pennsylvania State University</td>
</tr>
<tr>
<td>15</td>
<td>University of Florida</td>
</tr>
<tr>
<td>15</td>
<td>University of Texas--Austin</td>
</tr>
<tr>
<td>18</td>
<td>Ohio State University--Columbus</td>
</tr>
<tr>
<td>18</td>
<td>University of Maryland--College Park</td>
</tr>
<tr>
<td>20</td>
<td>University of Pittsburgh</td>
</tr>
<tr>
<td>22</td>
<td>Clemson University</td>
</tr>
<tr>
<td>22</td>
<td>Purdue University--West Lafayette</td>
</tr>
<tr>
<td>22</td>
<td>Texas A&amp;M University--College Station</td>
</tr>
<tr>
<td>22</td>
<td>University of Minnesota--Twin Cities</td>
</tr>
<tr>
<td>26</td>
<td>Rutgers</td>
</tr>
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<td>26</td>
<td>University of Connecticut</td>
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<td>28</td>
<td>University of Delaware</td>
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<tr>
<td>29</td>
<td>Michigan State University</td>
</tr>
<tr>
<td>29</td>
<td>University of California--Santa Cruz</td>
</tr>
<tr>
<td>29</td>
<td>University of Iowa</td>
</tr>
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<td>29</td>
<td>Virginia Tech</td>
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<td>34</td>
<td>Colorado School of Mines</td>
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2009 ASEE Statistics
## UG Retention

<table>
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<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td><strong>Freshman</strong></td>
<td>327</td>
<td>346</td>
<td>352</td>
<td>386</td>
<td>356</td>
<td>317</td>
<td>500</td>
<td>408</td>
</tr>
<tr>
<td><strong>Promotion %</strong></td>
<td>78%</td>
<td>84%</td>
<td>89%</td>
<td>91%</td>
<td>89%</td>
<td>87%</td>
<td>87%</td>
<td>88%</td>
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<tr>
<td>Fresh-Sophomore</td>
<td>255</td>
<td>289</td>
<td>312</td>
<td>353</td>
<td>317</td>
<td>276</td>
<td>443</td>
<td>358</td>
</tr>
<tr>
<td><strong>Sophomore-Junior</strong></td>
<td>214 (84%)</td>
<td>245 (85%)</td>
<td>256 (82%)</td>
<td>296 (84%)</td>
<td>254 (80%)</td>
<td>239 (87%)</td>
<td>383 (86%)</td>
<td>NA</td>
</tr>
<tr>
<td>Junior-Senior</td>
<td>197 (92%)</td>
<td>236 (96%)</td>
<td>229 (89%)</td>
<td>272 (92%)</td>
<td>237 (93%)</td>
<td>224 (94%)</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td><strong>Graduation</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>in 4 years</td>
<td>73 (22%)</td>
<td>101 (29%)</td>
<td>113 (32%)</td>
<td>156 (40%)</td>
<td>141 (40%)</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>in 5 years</td>
<td>66 (43%)</td>
<td>77 (51%)</td>
<td>45 (44%)</td>
<td>65 (57%)</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>in 6 years</td>
<td>5</td>
<td>7</td>
<td>9</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>6-year Grad Rate</td>
<td>44%</td>
<td>54%</td>
<td>47%</td>
<td>57% (5yrs)</td>
<td>40% (4yrs)</td>
<td></td>
<td></td>
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</table>
# Graduate Application Tables (2008-2010)

<table>
<thead>
<tr>
<th>Dept./Prog.</th>
<th>2010</th>
<th>2009</th>
<th>2008</th>
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<tr>
<td></td>
<td>Total</td>
<td>Ph.D.</td>
<td>US</td>
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<tr>
<td>BME</td>
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<td>46</td>
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<tr>
<td>CEE</td>
<td>159</td>
<td>59</td>
<td>52</td>
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<tr>
<td>CMBE</td>
<td>367</td>
<td>285</td>
<td>53</td>
</tr>
<tr>
<td>CSE</td>
<td>139</td>
<td>71</td>
<td>24</td>
</tr>
<tr>
<td>ECE</td>
<td>343</td>
<td>179</td>
<td>25</td>
</tr>
<tr>
<td>ME</td>
<td>193</td>
<td>115</td>
<td>47</td>
</tr>
<tr>
<td>Total</td>
<td>1336</td>
<td>755</td>
<td>259</td>
</tr>
</tbody>
</table>

School of Engineering
GK-12: Ingenuity Incubators
National Science Foundation GK-12 Program

JASON ARENA
Polytechnic University
Faculty Advisor: Jeff McCutcheon
Department: Chemical, Materials & Biomolecular Engineering
Title of Research Project: Novel Applications of Polydopamine for Engineered Devices

KYLE B. BRYAN
Columbia University
Faculty Advisor: Chih-Jen Sung
Department: Mechanical Engineering
Title of Research Project: Catalytic Ignition of Hydrocarbons in Mixtures

MARTIN HUBER
University of Connecticut
Faculty Advisor: Karen Keseeran
Department: Mechanical Engineering
Title of Research Project: Simulation of Tactile Hand Features

ALEX LASSMAN
Lafayette College
Faculty Advisor: Prathvish Singh
Department: Materials Science & Engineering
Title of Research Project: Development of Cathode Materials for SOFC

PACHONDO
Southern Connecticut University
Faculty Advisor: Sumit Mukherjee
Department: Materials Science & Engineering
Title of Research Project: Scaffold Based Bone Tissue Regeneration

NEIL SCOTT HANSEN
University of New Hampshire
Faculty Advisor: Matthew Hahn
Department: Chemical, Materials & Biomolecular Engineering
Title of Research Project: Room-Temperature Carbonate Fuel Cell Development

JASON WHITE
University of Connecticut
Faculty Advisor: Ramesh Sunkara
Department: Chemical, Materials & Biomolecular Engineering
Title of Research Project: Novel Selection Strategies for Genetic Algorithms

GREGORY PROBST
University of Connecticut
Faculty Advisor: William Gay
Department: Chemical, Materials & Biomolecular Engineering
Title of Research Project: Synthesis: Field Emission, Degradation, ZnO nanowires

Contact:
University of Connecticut
School of Engineering
www.engr.uconn.edu

University of Connecticut
School of Engineering
Resource Update

- 1.2% average faculty raises in US
  - Lowest in 50 years
- Alabama: 23% increase in tuition
- Arizona: 2.8% reduction in salary
- California: 32% increase in tuition
- California: CSU to cut 40,000 enrollment
- Florida: 32% increase in tuition over 2 years
- Texas: 5% across the board budget cut
- Illinois: U of I owed $320M by state
- Connecticut: Comparatively, doing well ~6% tuition increase, ~5% merit increase, no layoffs, no hiring freeze
Resource Update

- Strong Support from Upper Administration for SoE
  - Total budget for SoE increased from $19.5M in 2007 to $32.7M in 2010.

- New faculty hiring in targeted areas
  - Sustainable Energy
  - Biomedical Informatics
  - Polymers
  - Structural Engineering
  - Design
  - Systems

- Roll-over of unused funds is uncertain for FY11
  - Fund balance will be vulnerable
<table>
<thead>
<tr>
<th>CMBE</th>
<th>CEE</th>
<th>CSE</th>
<th>ECE</th>
<th>ME</th>
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<tr>
<td>UG</td>
<td>420</td>
<td>316</td>
<td>335</td>
<td>293</td>
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<tr>
<td>MS</td>
<td>72</td>
<td>30</td>
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<tr>
<td>PhD</td>
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<td>Res Exp</td>
<td>$4.4M</td>
<td>$3.8M</td>
<td>$3.2M</td>
<td>$5.2M</td>
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1. Aindow, M  
2. Alpay, P  
3. Bollas, G  
4. Brody, H  
5. Carter, C. B  
6. Cooper, D  
7. Cornelius, C  
8. Gao, P  
9. Hebert, R  
10. Huey, B  
11. Kattamis, T  
12. Lei, Y  
13. Marcus, H  
14. Maric, R  
15. McCutcheon, J  
16. Mhadeshwar, A  
17. Mustain, W  
18. Nieh, M  
19. Parnas, R  
20. Ramprasad, R  
21. Rossetti, G  
22. Shaw, L  
23. Shor, L  
24. Singh, P  
25. Srivastava, R  
26. Wang, Y  
27. Wei, M  
28. Willis, B  
29. New Position  
30. New Position
Committee
- Kazem Kazerounian, Chair
- Reda Ammar
- George Assard
- Ross Bagtzoglou
- Rajeev Bansal
- C.B. Carter
- Baki Cetegen

Partnership with UITS to house HPC Data Center
Scope increased from $42M to $60-65M
School of Engineering Faculty Meeting
Friday Sept. 17th
RIST: Research Initiatives Support Team

• Graduate Assistantship in the Areas of National Need (GAANN)
  – 6 projects
  – 35 PhD students (including 5 from ME, 13 from CMBE, 9 from CSE, 7 from ECE, and 1 from CEE)

• National Science Foundation CAREER proposals
  – 11 submitted
  – Internal review process by senior faculty and prior recipients

• National Science Foundation REU Site proposals
  – 8 submitted (2 from CMBE, 1 from CEE, 2 from CSE, 2 from ECE, and 1 from ME)

• Numerous other proposals/projects
Fall 2011 EPA Science To Achieve Results (STAR) Fellowships For Graduate Environmental Study
Funding Agency: Environmental Protection Agency
Funding #: EPA-F2011-STAR-XX
Due: 11/5/2010

This program offers Graduate Fellowships for master's and doctoral level students in environmental fields of study. Please go to the link above to see the list of possible topic titles.

Discovery Research K-12 (DR K-12)
Funding Agency: National Science Foundation
Funding #: NSF 10-610
Due: Letter of Intent due 11/5/2010

This program seeks to enable significant advances in student and teacher learning of the STEM disciplines. Projects funded under this solicitation begin with a research question or hypothesis about how to improve preK-12 STEM learning and teaching and then develop, implement, and study effects of innovative educational resources, models, or technologies.

Broadening Participation Research Initiation Grants in Engineering (BRIGE)
Funding Agency: National Science Foundation
Funding #: NSF 10-609
Due: 1/24/2011

This program seeks to increase the number of proposals to the Directorate for Engineering from individuals who can serve as role models and mentors for an increasingly diverse engineering student population who will become the workforce of the future. BRIGE aims to support innovative research and diversity plans that contribute to recruiting and retaining a broad representation of engineering researchers especially those subgroups that are underrepresented in the engineering population in programs supported by these grants.

Accelerating Innovation Research
Funding Agency: National Science Foundation
Funding #: NSF 10-608
Due: Letter of Intent due 12/1/2010

This program hopes to accelerate the process of innovation with two new activities. The first will encourage the translation of the numerous, technologically-promising, fundamental discoveries made by NSF researchers, while drawing upon and building the entrepreneurial spirit of the researchers and students. The second activity will foster connections between an existing NSF innovation research alliance and other institutions, whose complementary focus will spur the development of discoveries into innovative technologies through collaboration.
Participating Technical High School

- Windham Technical High School-Willimantic
- Goodwin Technical High School-New Britain
- Norwich Technical High School-Norwich
- Cheney Technical High School-Manchester
- Grasso Technical High School-Groton
- Prince Technical High School-Hartford
- Vinal Technical High School-Middletown
- Ellis Technical High School-Danielson

NSF-First in Family Energy Scholarship

- 20 Scholarships up to $6500 per year for 5 years.
- Five students have been awarded scholarships for 2010-2011.
Research agreement with ENN ($1.5M)
5 PhD students per year for 5 years
Communications and Publicity

• Why do we need publicity?

• What does the School of Engineering Communication Team do?
ENGINEERING SOCIAL MEDIA

536 FACEBOOK FANS AS OF 9/13/10

415 TWITTER FOLLOWERS AS OF 9/13/10
DEPARTMENT REPORTERS

CEE: Jessica Zoldak/Althea Lozefski
ME: Emily Jerome/Igor Parsadanov
C2E2: Tricia Bergman/Brianna Diaz/Sheila Ciccone
CTI: Mary McCarthy
ECE: Mary McCarthy/Catherine Dagon
BME: Lisa Ephraim
CMBE: Sonya Renfro
CSE: Aida Ghiaei
ECS: Bob Weiner
GE3: David Mittelman

WORDPRESS
SOE PORTAL
2011 Academy of Distinguished Engineers

Every year we select distinguished individuals in two categories:

(1) exceptionally distinguished alumni whose career achievements are of an enduring, seminal nature, and
(2) dedicated individuals who have made enduring contributions to our School.

• Intent to Submit Due: Friday, October 15th
• Complete Nomination Packet Due: Friday, November 5th
• Academy Day of Celebration and Induction: March 15, 2011

Email to: Ms. Diane Perko in Dean’s office
Two awards of $2000 will recognize the contributions of a staff member:

- Working in or directly reporting to an academic department or program.
- Working in a business or service area reporting directly to the deanery.

1. Intent to Submit Due: **Friday October 1st**.
2. Complete Nomination Packet Due: **Friday October 15th**,

- Electronic submission to: Ms. Nancy Coogan.
- All documents should appear in one pdf attachment.
- The selection committee will convene in October to select the awardees.
- Both awards will be presented at the SoE Faculty Meeting in November.
Engineering Technical Services

Providing computer, electronics, machine shop, Tiger Team, and building services in support of academics and research.
Engineering Machine/Electrical Shop & Senior Design Spaces

- Renovated space
- Improved safety
- New shop floor layout and
- New equipment

- Multi Discip. Senior Design work areas
- Machine and Electrical shops
- Automated enrollment using PS
Effective Communications Clinic

will continue this year

Susan Bartlett

One-on-one sessions
One hour per week
UNDERGRADUATE EDUCATION & DIVERSITY

• ABET
• ADVISING, ACADEMIC COUNSELING, NEW ADVISING FORM
• COOP & INTERNSHIP DOCUMENTATION
• ENROLLMENT & PROMOTION DATA
• EDUCATIONAL OPPORTUNITIES
• NEED FOR DATA - SURVEYS
• We are half way to our next visit
• What changes based on assessment are you considering?
• Are the outcomes being achieved?
• What feedback are you getting from your constituents?
• Etc.
• Spring registration starts October 25th
• Academic advising should start 3 weeks before the registration date.
• Students will be bringing a 4 year program with them and an advising form.
• Advising bars should not be lifted until advising is completed and the form is submitted.
Need to Promote Opportunities

- Additional degree (supporting their primary degree)
- Double major within SOE
- 10 MINORS within SOE
- Concentrations within the major
- UConn Minors – over 80 choices
- Internship/Co-op opportunities
- UG Research
- Study Abroad
INFORMATION REQUESTED IN STUDENT ADVISING FORM

• Have you considered an additional major, minor, concentration (with space to respond)
• Have you completed an internship/Co-Op
• Do you plan to complete an internship/Co-Op
• Are you conducting UG research?
• Would you like to conduct UG research?
• What is your preferred email address?
Additional Data

- Document the number of students who have completed an internship and Co-Op
- Document starting salaries of our graduates
- Document the companies that hire our graduates
- Document percentage of job offers received by graduating seniors
- Document the graduate schools recruiting our students
# 2010 UG Enrollment Stats

<table>
<thead>
<tr>
<th>Course</th>
<th>BME</th>
<th>CE</th>
<th>CHEG</th>
<th>CS</th>
<th>CSE</th>
<th>COMPE</th>
<th>EE</th>
<th>ENVE</th>
<th>ME</th>
<th>MEM</th>
<th>MSE</th>
<th>EG UND &amp; EG PHYS</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshmen</td>
<td>82</td>
<td>46</td>
<td>65</td>
<td>26</td>
<td>41</td>
<td>19</td>
<td>21</td>
<td>19</td>
<td>81</td>
<td>11</td>
<td>9</td>
<td>63</td>
<td>483</td>
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<tr>
<td>UG Students</td>
<td>316</td>
<td>226</td>
<td>233</td>
<td>88</td>
<td>156</td>
<td>56</td>
<td>159</td>
<td>70</td>
<td>447</td>
<td>57</td>
<td>81</td>
<td>105</td>
<td>1994</td>
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## UG Promotion & Retention Data

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Freshman</strong></td>
<td>327</td>
<td>346</td>
<td>352</td>
<td>386</td>
<td>356</td>
<td>317</td>
<td>500</td>
<td>408</td>
</tr>
<tr>
<td><strong>Promotion %</strong></td>
<td>78%</td>
<td>84%</td>
<td>89%</td>
<td>91%</td>
<td>89%</td>
<td>87%</td>
<td>87%</td>
<td>88%</td>
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<tr>
<td><strong>Fresh-Sophomore</strong></td>
<td>255</td>
<td>289</td>
<td>312</td>
<td>353</td>
<td>317</td>
<td>276</td>
<td>443</td>
<td>358</td>
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<tr>
<td><strong>Sophomore-Junior</strong></td>
<td>214</td>
<td>245</td>
<td>256</td>
<td>296</td>
<td>254</td>
<td>239</td>
<td>383</td>
<td>NA</td>
</tr>
<tr>
<td><strong>Junior-Senior</strong></td>
<td>197</td>
<td>236</td>
<td>229</td>
<td>272</td>
<td>237</td>
<td>224</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td><strong>Graduation</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>in 4 years</td>
<td>73</td>
<td>101</td>
<td>113</td>
<td>156</td>
<td>141</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
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<tr>
<td>in 5 years</td>
<td>66</td>
<td>77</td>
<td>45</td>
<td>65</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
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<tr>
<td>in 6 years</td>
<td>5</td>
<td>7</td>
<td>9</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
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<tr>
<td><strong>6-year Grad Rate</strong></td>
<td>44.0%</td>
<td>53.5%</td>
<td>47.4%</td>
<td>5 years 57.2%</td>
<td>4 years 39.6%</td>
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## UG Diversity Data

<table>
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<tr>
<th>2010</th>
<th>BME</th>
<th>CHEG</th>
<th>CE</th>
<th>CMPE</th>
<th>CS</th>
<th>CSE</th>
<th>EGPHY</th>
<th>EGUND</th>
<th>EE</th>
<th>ENVE</th>
<th>ME</th>
<th>MEM</th>
<th>MSE</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td>Asian</td>
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<td>2</td>
<td>5</td>
<td>9</td>
<td>11</td>
<td>1</td>
<td>7</td>
<td>2</td>
<td>5</td>
<td>9</td>
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<td></td>
<td>75</td>
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<tr>
<td>African American</td>
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<td>3</td>
<td>2</td>
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<td></td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>1</td>
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<td>23</td>
</tr>
<tr>
<td>Hispanic</td>
<td>5</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td></td>
<td>7</td>
<td>3</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>34</td>
</tr>
<tr>
<td>Native American</td>
<td></td>
<td>2</td>
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<td>2</td>
<td></td>
<td></td>
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<td>2</td>
<td>1</td>
<td>3</td>
<td></td>
<td>1</td>
<td>17</td>
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<td>Total</td>
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<td>15</td>
<td>9</td>
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<td>9</td>
<td>8</td>
<td>19</td>
<td>2</td>
<td>1</td>
<td>153</td>
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</tbody>
</table>
Applicants & Enrollment

- **Applicants:** increased by **15%** from 2009 to 2010
- **US applicants:** increased by **19%** from 2009 to 2010
New Programs

- **UPGRAD: Undergraduate Pipelining to Grad School**
  - REU Website project, graduate mentoring, fellowship ...

- **Major events:**
  - Proactive recruiting (regional, national, international)
  - GRE² (GRE Email project)
  - Fellowship proposal writing workshop (86 participants)
  - SOE graduate orientation (80 participants)
  - Fellowship informational workshop (150 participants)
Engineering Professional Development

The School of Engineering is launching a new program for graduate professional development. The aim is to enrich the current graduate programs and enhance the students’ career trajectory planning. A series of training workshops have been designed. During the academic year of 2010-2011, ten workshops will be offered, with five per semester.

The topics include:
- Effective Writing Skills
- Effective Presentation Skills
- Effective Teaching Skills
- Effective Job Hunting Skills
- Engineering Ethics
- Effective Leadership
- Entrepreneurship and Innovation
- Careers in Industry, Academia, and Government

Professional Development

❖ Excellent enrichment programs for graduate students
❖ Certificate is provided to active participants
❖ Support from faculty advisors is critical!
❖ Encourage student participation

SOE Graduate Professional Development Program
School of Engineering University of Connecticut

The workshop series will begin on October 1

Please contactSonya Renfro at srenfro@ engr.uconn.edu or 486-4125 for more information.

University of Connecticut
School of Engineering
www.engr.uconn.edu
Springboard Program
Introduction
Springboard Program

Joint effort between Engineering, CLAS (physical sciences), and OTC to support faculty forming startups

Mike Wisniewski

Entrepreneur In-Residence

Brings outside experts in to help faculty & students build industry relationships

Robin Bienemann

UConn Inventions

Center for Science & Technology Commercialization

Evaluates, patents, markets & licenses IP

UConn R&D Corporation

Forms new firms based on UConn IP

Hadi Bozorgmanesh

Technology Incubation Program

Provides space & services for both UConn & outside firms

UConn Tech-Knowledge Portal

Liaison for CT industry & entrepreneurs to access tech expertise, student support & more

UConn R&D Corporation

Forms new firms based on UConn IP

Hadi Bozorgmanesh

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University of Connecticut Libraries
Library Liaison Program

School of Engineering
Faculty Meeting
September 17, 2010

Francine DeFranco
Director for Library Research Services
What library resources and services are available to faculty?

• Library liaison for instruction, consultation, and collection development
• Print and electronic resources for research and teaching
• Improved services for course reserves, interlibrary loan, collection development, photocopying and scanning.
What is the library liaison program?

- The University Libraries Academic Liaison Program provides faculty and students with subject specialists who serve as personal contacts for academic, research, and instructional needs.

- Liaisons provide instruction, research consultation, and collection development services tailored to discipline and departmental needs.
How can library liaisons assist faculty?

By providing personal assistance for:

• Research and academic needs
• Promotion and Tenure
• Grant efforts
• Programmatic changes and new initiatives
• College, school or department academic plan
• Accreditation reports
Liaison assistance - continued

- Departmental information/data needs related to special projects or initiatives
- Information Literacy requirement
- “W” courses and honors theses
- Course assignments and special projects
- Class instruction sessions
- Research consultations with students or graduate assistants
Strategies for Communication and Collaboration

Please consider…

• Inviting your liaison to attend a faculty meeting
• Including your liaison on a departmental email list
• Including your liaison on new faculty and student orientations
• Including your liaison on a research/grant team to assist in identifying relevant information resources
• Including your liaison on a faculty interview schedule to discuss library support for research and teaching