Welcome Engineering College Advisory Council Members

Mike Bowman – Chair ECAC

Dare to be first.

October 25-26, 2010
<table>
<thead>
<tr>
<th>Time</th>
<th>Monday, October 25 (Clayton Hall)</th>
<th>Tuesday, October 26 (DuPont 102 unless noted)</th>
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<tr>
<td>5:00 – 6:00 pm</td>
<td>Reception</td>
<td>7:30 – 8:00 am Continental Breakfast</td>
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<td>6:00 – 7:00</td>
<td>Dinner</td>
<td>8:00 – 9:00 College Update, Report Card, and Challenges – Michael Chajes</td>
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<td>7:00 – 7:15</td>
<td>Welcome by Council Chair – Mike Bowman</td>
<td>9:00 – 10:00 College Challenges (Problem Solving) – Mike Bowman</td>
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<td>Major College Accomplishments for 2009-2010 – Michael Chajes</td>
<td>10:00 – 10:15 Break</td>
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<td>Travel to the Bob Carpenter Center</td>
<td>10:15 – 11:00 Council Interaction and Networking Time – Mike Bowman</td>
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<td>Election Eve: Howard Dean and Karl Rove Together</td>
<td>11:00 – 11:30 Development Update – Armand Battisti</td>
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<td>3:00– 3:30 Debriefing with Dean Chajes</td>
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## Engineering College Advisory Council Membership

<table>
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<tr>
<th>Class of 2010-11 (term ends August of 2011)</th>
<th>Class of 2012-13 (term ends August of 2013)</th>
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<tbody>
<tr>
<td>Dr. Mark P. Bendett (2002) - ECE</td>
<td>Dr. Kurt B. Akeley (1993) - ECE</td>
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<td>Mr. Francis “Skip“ Gardiner (2009) - CEE</td>
<td>Mr. J. Michael Bowman (1993) - Chair - ME</td>
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<td>Mr. David R. Helwig (1997) - ME</td>
<td>Dr. Richard E. Emmert (1993) - ChE</td>
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<td>Mr. William G. Mavity (2002) - ME</td>
<td>Dr. James H. Johnson, Jr. - (1993) - CEE</td>
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<th>Class of 2011-12 (term ends August of 2012)</th>
<th>Class of 2013-14 (term ends August of 2014)</th>
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<tr>
<td>Dr. Eduardo D. Glandt (2007) - ChE</td>
<td>Dr. Barry Bentley (2010) - ChE</td>
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<tr>
<td>Mr. Richard E. Hangen (2007) - CEE</td>
<td>Mr. Keith Bentley (2010) - ECE</td>
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<tr>
<td>Mr. J. Rodman Steele, Jr. (2007) - CEE</td>
<td>Mr. Craig Binetti (2010) – ChE/MBA</td>
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<tr>
<td>Mr. Gary Martin (2008) - ME</td>
<td>Dr. Robert W. Gore (1993) - ChE</td>
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<td>Mr. Jack Welsh (2009) - Math/ECE</td>
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(all terms begin September 1 and run September 1 – August 31)
College of Engineering:
Major Accomplishments for 2009-10

Michael Chajes – Dean
Computer and Information Sciences (CIS) Joins the College of Engineering
The **Center for Energy and Environmental Policy** (CEEP) Joins the College of Engineering

- Established in 1980 at the University of Delaware, the Center is a leading institution for interdisciplinary graduate education, research, and advocacy in energy and environmental policy.

- CEEP is led by Dr. John Byrne, Distinguished Professor of Energy & Climate Policy at the University. For his contributions to Working Group III of the Intergovernmental Panel on Climate Change (IPCC) since 1992, he shares the 2007 Nobel Peace Prize with the Panel's authors and review editors.

**John Byrne** is Director of the Center for Energy and Environmental Policy (CEEP) and Distinguished Professor of Energy and Climate Policy.
17 New Faculty - Cluster Hiring -

- Bioengineering
- Composites
- Computer and IT
- Energy
- Environment
The College of Engineering Sees Unprecedented Growth

- Total faculty increase from 100.5 to 133.5 (32%)
- Undergraduate students increase from 1,510 to 1,814 (20%)
- Research expenditures increase from $37.7M to $44.0M (17%)
Tunde Ogunnaike Appointed Deputy Dean

William L. Friend Professor of Chemical Engineering
9 New **Named Professors** Added to the College

Paul Amer  Tom Buchanan  John Byrne  Wilfred Chen

Michael Klein  Michael Mackay  David Martin  Dion Vlachos  Cathy Wu
College of Engineering

**Women Faculty – Leading the Way**

**Pam Cook** is Associate Dean of the College

**Anette Karlsson** is Chair of Mechanical Engineering

**Sue McNeil** is Director of the Disaster Research Center and Director of the University Transportation Center

**Cathy Wu** is Director of the Center for Bioinformatics and Computational Biology and is the Edward G. Jefferson Professor of Bioinformatics & Computational Biology

**Jill Higginson** is Director of the Biomedical Engineering Program and Director of the Center for Biomedical Engineering Research

**Kristi Kiick** is Co-Director of the Biomedical Engineering Program

**Anne Robinson** is Associate Chair for Biochemical Engineering in the Chemical Engineering Department and Director of the Bioengineering Graduate Program

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College Faculty Lead 8 Major Institutes/Centers/Offices

- Center for Bioinformatics and Computational Biology (CB²)
- Center for Composite Materials (CCM)
- Center for Energy and Environmental Policy (CEEP)
- Delaware Biotechnology Institute (DBI)
- Delaware Rehabilitation institute (DRI)
- Disaster Research Center (DRC)
- University of Delaware Energy Institute (UDEI)
- University of Delaware Research Office
Successful Efforts to Enhance Faculty Diversity

- Ten new women faculty – 5 hires plus 5 women faculty in CIS (percentage of women faculty increased from 12% to 17%)
- NSF Advance Grant (workshops on recruiting and mentoring)
- New Workshop: Success Strategies for Emerging Faculty
  - 23 total attendees representing 17 universities and national labs
  - 12 women, 11 men, 3 underrepresented minorities
  - Topical research mini symposia, panel discussions, keynote speakers, assigned mentors
Biomedical Engineering Undergraduate Degree Program Established

Jill Higginson is Director of the Biomedical Engineering Program

Kristi Kiick is Co-Director of the Biomedical Engineering Program

closing the gap between engineering and medicine
4+1 Master’s Degree Programs Established

- Civil & Environmental Engineering (BCE/MCE and BENE/MCE)
- Materials Science & Engineering (BS/MMSE)
- Mechanical Engineering (BME/MME)
- Chemical Engineering (4-year B/MS) – already was on the books
- College of Engineering and the Lerner College of Business and Economics (B/MBA) – already was on the books
Advancement of Major Partnerships

- Aberdeen Proving Ground (APG)
- JPMorgan Chase (JPMC)
- Department of Defense (ARL, ARO, ONR)
  - Center for Composite Materials Centers of Excellence
- Department of Energy (DOE)
  - Catalysis Center for Energy Innovation
- National Institute of Standards and Technology (NIST)
  - National Center for Neutron Research
- UD Institutes and Centers
  - CB², CCM, CEEP, DBI, DENIN, DRI, DRC, and UDEI
- International Universities
  - Peking, Tsinghua, SWUFE, Xiamen, National Taiwan University, National University of Singapore, National University of Colombia, and the Technion
Policy Regarding
Classified Research Changed

Section 3: Open Research Policy, UD Faculty Handbook
The generation and dissemination of knowledge are central to the mission of the University. The fundamental principle of open scholarly exchange is essential to this mission. Consistent with this mission and academic traditions, the University research community shall conduct research responsibly and disseminate research results.

Preference is given to research that is directly related to the educational endeavors of the faculty. Student participation in research is important.

The University does not accept restrictions on the dissemination of research results in the absence of compelling reason. Temporary delays are permissible with the approval of the Vice Provost for Research for publication review and intellectual property consideration. Research agreements with other restrictions can only be accepted if the principal investigator (PI) seeks and obtains an exception. In rare cases, exceptions may be made for research activities under the following terms and conditions:

Requests for such an exception must be made by the PI, and substantively reviewed and approved by the PI's department chair and dean.

Students, and others whose careers may be adversely affected, are not expected to work on programs requiring exceptions.

Requests for exceptions should only be made in cases when at least one of the following apply:
- The work is a continuation of a significant and ongoing research effort;
- The work is recognized by the sponsor as being important to the national interest;
- The work is in the overall best interest of the University and its mission.

Requests will be sent to the Vice Provost for Research for review and comment.

Requests must be approved by the Provost.

Any exceptions which are made will be documented by the Vice Provost for Research, and a list of such exceptions will be submitted to the Faculty Senate Research Committee and to the University Board of Trustees annually on or before the end of the spring semester.

This policy was revised to highlight the University's expectation of open research, and to clarify the process by which exceptions for limitations on research will be considered and endorsed by the Faculty Senate on May 3, 2010.
Development Team Strengthened

$10 Million anonymous gift to the college just received
  • Largest gift ever to the college
  • 2nd largest gift ever to UD from an individual

Team Members:
  Armand Battisti – Director of Development
  Dan Sarkissian – Associate Director of Development
  TBD – 2nd Associate Director of Development (just approved)
  Shabool Henry – Alumni Relations
  Susan LaMedica – Staff Assistant
Communications Team Strengthened

Team Members:
- **Carrie Qualls** – Coordinator
- **Karen Roberts** – Writer/Communications Specialist
- **Sarah Rosenthal** – Graphic Designer
- **Shabool Henry** – Alumni Coordinator/Writer
- **Maria Fargo** – Web Developer
$140M Interdisciplinary Science and Engineering Laboratory (ISE Lab)

- Moving Ahead - completion slated for Fall of 2013
Questions
**Tuesday Agenda**

**Tuesday, October 26**
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