FACULTY DISTINCTIONS
National Academy of Engineering ........................................ 2
National Academy of Sciences ............................................. 1
Institute of Medicine ..................................................... 1
Presidential & National Young Investigators ....................... 9
NSF CAREER Awards ..................................................... 27
Alexander Von Humboldt Research Awards ....................... 2
Fulbright Awards ........................................................... 3
Major Society/Foundation Awards ..................................... 17
AAAS Fellows .............................................................. 1
Engineering Faculty ...................................................... 115

EXTERNAL GRANTS AND AWARDS:  
FY 2010 (THROUGH 4/30/10)  
$35.9M

<table>
<thead>
<tr>
<th>Funding Sources</th>
<th>Amount</th>
<th>Percentage</th>
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<td>NSF</td>
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<tr>
<td>Misc</td>
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<td><strong>Total</strong></td>
<td>35,921,361</td>
<td><strong>100.00%</strong></td>
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In This Issue
Engineering Receives $2.7 M  
for Innovative Educational Program
Graduate Students Receive Honors
Pratt & Whitney Establishes Engineering Center of Excellence at UConn
Five GAANN Awards  
for UConn Engineering
ENGINEERING RECEIVES $2.7 M FOR INNOVATIVE EDUCATIONAL PROGRAM

A UConn engineering faculty team received $2.7 million in competitive NSF grant monies for a novel program enfolding graduate and undergraduate students, and technical high school students and their teachers in cross-cutting sustainable engineering research. Ten graduate students will be recruited yearly during the five-year GK-12 grant.

While conducting advanced research in carbon-neutral energy technologies, water purification, environmental biotechnology and other sustainable areas, the doctoral students will be embedded in technical high school science and math classrooms. Alongside tech school teachers, they will develop and integrate fundamental engineering lessons into coursework and introduce supplementary activities that foster team-based “creative innovation” in problem solving. The experience will expand their collaborative, leadership, teaching and communication skills as they embark on pioneering work in sustainable engineering. Tech school students will benefit from a unique learning/mentorship experience and be encouraged to pursue a four-year engineering education; their teachers will be encouraged to participate in intensive teacher enrichment programs immersing them in engineering labs for 1-5 week periods.

GRADUATE STUDENTS RECEIVE HONORS

Three students were awarded funds under the highly competitive NSF Graduate Research Fellowship Program (GRFP) in 2010. An additional five UConn graduates received Honorable Mention honors.

NSF Graduate Research Fellows receive three years of support for M.S. or Ph.D. graduate study. Students receive a $30,000/year stipend, and host universities receive an educational allowance.

The 2010 winners are:
- Joseph Zinski (Chemical Engineering 2010) - University of Pennsylvania
- Eric Sirois, a 2009 mechanical engineering graduate who is pursuing his graduate studies in mechanical engineering at UConn
- Michael Khalil, a 2008 biomedical engineering graduate who is pursuing his graduate degree at Columbia University

PRATT & WHITNEY ESTABLISHES ENGINEERING CENTER OF EXCELLENCE AT UCONN

In February, Pratt & Whitney established a Center of Excellence at UConn for research in the field of aviation propulsion systems. A United Technologies Corp. company, Pratt & Whitney will work with UConn on fundamental and applied research initiatives that support the design and development of more efficient gas turbine engines. The university’s primary focus will be research in the field of advanced sensors, diagnostics, and controls for use in commercial and military aircraft propulsion systems. “This is a great opportunity to expand our longstanding working relationship with the UConn School of Engineering…UConn has solid technical capabilities that complement our growing research needs,” said Paul Adams, senior vice president, Pratt & Whitney Engineering.

FIVE GAANN AWARDS FOR UCONN ENGINEERING

Since 2009, the School of Engineering has captured five U.S. Department of Education grants aimed at enhancing the nation’s technological competitiveness. The three-year grants were made under the agency’s Graduate Assistance in Areas of National Need (GAANN) program and, with matching funds, total more than $1.16 million per year, supporting 25 graduate fellowships annually. Over the full duration of the projects (total funding nearly $3.5 million) more than 75 fellowships will be awarded.

GAANN fellowships support U.S. citizens and favor students from traditionally underrepresented populations, including women and minority populations. The five UConn GAANN grants (one in 2010 and four in 2009) support research in:
- Cloud computing;
- Biomaterials for tissue regeneration;
- Advanced energy and environmental technologies, including fuel cells, solar power, waste-to-energy conversion, carbon sequestration and distributed power;
- Advanced computing research targeting biomedical informatics and underwater sensor networks;
- Advanced computing security to strengthen financial, communications, transportation and defense systems.

DEAN

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