2. SPECIAL RECOGNITIONS

2.1. FACULTY FELLOWS

Badiru, Adedeji B., Professor and Head Department of Systems and Engineering Management, Fellow of the Institute of Industrial Engineers, Fellow of the Nigerian Academy of Engineering.

Bridgman, Charles J., Professor Emeritus of Nuclear Engineering, Department of Engineering Physics, Fellow of the American Nuclear Society.

Elrod, William E., Professor Emeritus of Aerospace Engineering, Department of Aeronautics and Astronautics, Fellow of American Society of Mechanical Engineers International.

Franke, Milton E., Professor Emeritus of Aerospace Engineering, Department of Aeronautics and Astronautics, Fellow of the American Society of Mechanical Engineers.

Hengehold, Robert L., Professor of Physics, Department of Engineering Physics, Fellow of the American Physical Society.

Houpis, Constantine H., Professor Emeritus of Electrical Engineering, Department of Electrical and Computer Engineering, Fellow of the Institute of Electrical and Electronic Engineers.

Mall, Shankar, Professor of Aerospace Engineering, Department of Aeronautics and Astronautics, Fellow of the American Society of Mechanical Engineers International.

Maybeck, Peter S., Professor Emeritus of Electrical Engineering, Department of Electrical and Computer Engineering, Fellow of the Institute of Electrical and Electronic Engineers.

Pachter, Meir, Professor of Electrical Engineering, Department of Electrical and Computer Engineering, Fellow of the Institute of Electrical and Electronic Engineers.

Palazotto, Anthony N., Professor of Aerospace Engineering, Department of Aeronautics and Astronautics, Fellow of American Institute of Aeronautics and Astronautics, Fellow of the American Academy of Mechanics and the American Society of Civil Engineers.

Perram, Glen P., Professor of Physics, Department of Engineering Physics, Fellow of the Directed Energy Professional Society.

Ruggles-Wrenn, Marina B., Associate Professor of Aerospace Engineering, Department of Aeronautics and Astronautics, Fellow of the American Society of Mechanical Engineers International.

Soni, Som R., Associate Professor of Systems Engineering, Department of Systems and Engineering Management, Fellow of the American Society for Composites, Associate Fellow of AIAA.

Terzuoli, Andrew J., Associate Professor of Electrical Engineering, Department of Electrical and Computer Engineering, Fellow of the Electromagnetics Academy.

Thomas, M. U., Dean, Graduate School of Engineering and Management, Fellow of the Institute of Industrial Engineers, Fellow of the American Society of Quality, Fellow of the Institute for Operations Research and Management Sciences.

2.3. RESEARCH AWARDS

2.3.1. FACULTY

CUSUMANO, SALVATORE, J.

DEA, JOHN R., Maj
2008 Warren Randolph Church Award for Excellence in Mathematics, Naval Postgraduate School, Monterey, CA.

FIORINO, STEVEN, T., Lt Col

HOPKINSON, KENNETH M.

MARTIN, RICHARD K.
HKN (Eta Kappa Nu, Delta Xi Chapter) Instructor of the Year, March 2008.

PETERSON, GILBERT L.
Air Force Junior Scientist of the Year, September 2008.

RAINES, RICHARD A.
Inducted into the Association of the Old Crows Hall of Fame for significant contributions towards the advancement of Information Operations, October 2007.

RAQUET, JOHN F.

2.3.2. STUDENTS

GALLUP, HEATHER L.

HELLESEN, DENZIL L.
Secretary James G. Roche Award, March 2008.

JOHNSON, ROBERT J.
Commandant’s Award, 2008.

MURPHY, SEAN D.

PETTUS, EVAN L.
Mervin E. Gross Award, June 2008.

RUSNOCK, CHRISTINA F.
Mervin E. Gross Award, March 2008.

SKARDA, BRYAN E.

SOLIMAN, NEIL S.
MASINT Association Award for Academic Excellence Award, March 2008.

SUSKI, WILLIAM C., II
ATIA Academic Research Excellence Award, Advanced Technical Intelligence Association (ATIA), March 2008.

SWEENEY, DANIEL D.

WICKERT, DOUGLAS P.
Douglas Wickert (Robert Canfield, advisor), Best Presentation Award, Structures, 33rd AIAA Dayton-Cincinnati Aerospace Sciences Symposium, March 4, 2008.
3.4. OUTSIDE FUNDING FOR THE GRADUATE SCHOOL OF ENGINEERING AND MANAGEMENT

Many of the Graduate School of Engineering and Management’s theses and research projects completed under faculty supervision (sponsored or unsponsored) are funded in part by other Air Force, DoD and government units and agencies. Often, this funding results from collaboration between faculty and thesis sponsors and occurs when the research project can be leveraged by the purchase of equipment or services not otherwise available. Tables 3.4 and 3.5, and Figure 3.3, summarize outside funding for FY08, and Figure 3.2 summarizes the past nine fiscal years of outside sponsored funding.

<table>
<thead>
<tr>
<th>Department</th>
<th>Newly Awarded Research Projects</th>
<th>Newly Awarded Education Projects</th>
<th>Additional Research Expenditures</th>
<th>Total FY08 Sponsored Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics &amp; Statistics (ENC)</td>
<td># 92</td>
<td>-</td>
<td>13</td>
<td>4</td>
</tr>
<tr>
<td>Electrical &amp; Computer Eng (ENG)</td>
<td>61 2,924</td>
<td>6 1,241</td>
<td>4,162</td>
<td>8,327</td>
</tr>
<tr>
<td>Engineering Physics (ENP)</td>
<td>38 2,837</td>
<td>4 890</td>
<td>1,352</td>
<td>5,079</td>
</tr>
<tr>
<td>Research &amp; Sponsored Programs (ENR)</td>
<td>1 10</td>
<td>-</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>Operational Sciences (ENS)</td>
<td>11 1,000</td>
<td>-</td>
<td>455</td>
<td>1,455</td>
</tr>
<tr>
<td>Systems and Eng Management (ENV)</td>
<td>11 605</td>
<td>1 60</td>
<td>689</td>
<td>1,354</td>
</tr>
<tr>
<td>Aeronautical &amp; Astronautal Eng (ENY)</td>
<td>36 958</td>
<td>-</td>
<td>3,224</td>
<td>4,182</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>162</strong></td>
<td><strong>11</strong></td>
<td><strong>9,900</strong></td>
<td><strong>20,517</strong></td>
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</table>

<table>
<thead>
<tr>
<th>Center</th>
<th># 828</th>
<th>-</th>
<th>638</th>
<th>1,466</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Navigation Technology (ANT)</td>
<td>18 638</td>
<td>-</td>
<td>18</td>
<td>1,466</td>
</tr>
<tr>
<td>Center for Directed Energy (CDE)</td>
<td>19 1,756</td>
<td>1 51</td>
<td>458</td>
<td>2,265</td>
</tr>
<tr>
<td>Center for Cyberspace Research (CCR)</td>
<td>15 765</td>
<td>6 1,241</td>
<td>804</td>
<td>2,810</td>
</tr>
<tr>
<td>Center for MASINT Studies and Research (CMSR)</td>
<td>7 493</td>
<td>1 756</td>
<td>264</td>
<td>1,513</td>
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<tr>
<td>Center for Operational Analysis (CQA)</td>
<td>9 1,047</td>
<td>-</td>
<td>326</td>
<td>9 1,373</td>
</tr>
<tr>
<td>Center for Systems Engineering (CSE)</td>
<td>7 497</td>
<td>1 60</td>
<td>360</td>
<td>8 917</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>75</strong></td>
<td><strong>9</strong></td>
<td><strong>2,850</strong></td>
<td><strong>10,344</strong></td>
</tr>
</tbody>
</table>

Notes: DoD regulations limit AFIT’s charges to DoD organizations. These nonchargeable items are reflected as “additional research expenditures”. All Center funds are also included in departmental funding.

Figure 3.2: New Award History FY00-FY08
Table 3.5 New FY08 Awards to Academic Departments & Research Centers by Sponsor

<table>
<thead>
<tr>
<th>Dept.</th>
<th>AFRL Dollars</th>
<th>USAF Dollars</th>
<th>Other DoD Dollars</th>
<th>NGA Dollars</th>
<th>NSF Dollars</th>
<th>NSA Dollars</th>
<th>Other Federal Dollars</th>
<th>Non-Federal Dollars</th>
<th>Total Dollars</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC</td>
<td>92,277</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>92,277</td>
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<tr>
<td>ENG</td>
<td>2,036,616</td>
<td>713,738</td>
<td>409,349</td>
<td>30,000</td>
<td>528,424</td>
<td>447,412</td>
<td>-</td>
<td>-</td>
<td>4,165,539</td>
</tr>
<tr>
<td>ENP</td>
<td>948,573</td>
<td>548,736</td>
<td>1,134,320</td>
<td>756,000</td>
<td>230,000</td>
<td>-</td>
<td>29,209</td>
<td>44,308</td>
<td>3,727,146</td>
</tr>
<tr>
<td>ENR</td>
<td>10,000</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>10,000</td>
</tr>
<tr>
<td>ENS</td>
<td>66,500</td>
<td>316,293</td>
<td>596,970</td>
<td>-</td>
<td>20,000</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>999,763</td>
</tr>
<tr>
<td>ENV</td>
<td>145,000</td>
<td>481,692</td>
<td>30,385</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>7,700</td>
<td>-</td>
<td>664,777</td>
</tr>
<tr>
<td>ENY</td>
<td>794,615</td>
<td>109,634</td>
<td>15,000</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>958,109</td>
</tr>
<tr>
<td>TOTAL</td>
<td>4,129,851</td>
<td>2,170,093</td>
<td>2,186,024</td>
<td>786,000</td>
<td>758,424</td>
<td>467,412</td>
<td>36,909</td>
<td>83,168</td>
<td>10,617,611</td>
</tr>
</tbody>
</table>

Note: All Center funds are also included in departmental funding.