Dr. Raffaella Righetti, an assistant professor in the Biomedical Imaging and Genomic Signal Processing area of the Department of Electrical and Computer Engineering is studying a technique to detect cancer and cancer-related diseases earlier called ultrasound elastography. Ultrasound elastography is an increasingly popular ultrasound technology for estimating and imaging the mechanical behavior of tissues.

Read the full story at: http://engineering.tamu.edu/magazine/2011/ultrasound-elastography/
Impact
• 3 National Academy of Engineering members
• 28 National and international level awards
• 31 Fellow grades in professional societies
• 7 Authored and adapted textbooks
• 114 PhDs in academia (50% in US Institutions)

Productivity
• Rankings
  Graduate – 14th
  Undergraduate – 9th
  (Source: U.S. News & World Report)
• 240 Refereed journal papers (2010)
• 289 Selective conference papers (2010)
• 24 Young Investigator awards (since 2003)
  (NSF CAREER, Air Force, Navy, DARPA, and PECASE)

Service
• 50 Editorships and editorial board memberships
• 85 Memberships in professional society committees
• 20 Short courses taught and workshops offered
• 32 Symposia and conferences organized with estimated 7,791 participants

Diversity
• Faculty (Fall 2011)
  Male – 85%
  Female – 15%
  Hispanic – 8%
  African-American – 1%
  White – 48%
  Asian – 43%
• Staff
  Male – 37%
  Female – 63%
  Hispanic – 15%
  White – 85%
• Departmental External Advisory Committees
  Male – 95%
  Female – 5%
  Hispanic – 5%
  White – 95%

STUDENT ENROLLMENT

<table>
<thead>
<tr>
<th></th>
<th>Undergraduate</th>
<th>Graduate</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY11</td>
<td>987</td>
<td>533</td>
<td>1,520</td>
</tr>
<tr>
<td>FY10</td>
<td>851</td>
<td>545</td>
<td>1,396</td>
</tr>
<tr>
<td>FY09</td>
<td>784</td>
<td>516</td>
<td>1,300</td>
</tr>
<tr>
<td>FY08</td>
<td>781</td>
<td>490</td>
<td>1,271</td>
</tr>
</tbody>
</table>

• Number of graduates (FY11)
  BS – 125
  MS/ME – 91
  PhD – 43

• Occupied Endowed Positions
  Chairs – 7
  Professorships – 11
  Faculty Fellows – 4

STUDENT DIVERSITY

<table>
<thead>
<tr>
<th></th>
<th>Undergraduate</th>
<th>Graduate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Female</td>
<td>12%</td>
<td>15%</td>
</tr>
<tr>
<td>Hispanic</td>
<td>18%</td>
<td>3%</td>
</tr>
<tr>
<td>African-American</td>
<td>3%</td>
<td>2%</td>
</tr>
<tr>
<td>Asian</td>
<td>10%</td>
<td>4%</td>
</tr>
<tr>
<td>International</td>
<td>4%</td>
<td>80%</td>
</tr>
</tbody>
</table>

Data for this dashboard is still being compiled and more will be added at a later date.