**FACULTY**

<table>
<thead>
<tr>
<th>TENURED + TENURE-TRACK</th>
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<tbody>
<tr>
<td>29</td>
</tr>
<tr>
<td>21 FULL PROFS + 1 JOINT APPOINTMENT</td>
</tr>
<tr>
<td>2 ASSISTANTS + 1 JOINT APPOINTMENT</td>
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<tr>
<td>4 ASSOCIATES</td>
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<table>
<thead>
<tr>
<th>RESEARCH SCIENTISTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
</tr>
<tr>
<td>6 ASSISTANTS</td>
</tr>
<tr>
<td>4 ASSOCIATES</td>
</tr>
<tr>
<td>1 FULL</td>
</tr>
<tr>
<td>1 FULL ADJUNCT</td>
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</tbody>
</table>

- 2 Nat. Acad. of Engin. Mbrs.
- 2 E.O. Lawrence Awards
- 4 ANS Holly Compton Awards
- 1 Vannevar Bush Award
- 1 Nat. Medal of Technology

- 12 Postdoctoral fellows
- 8 Emeritus faculty
- 14 Adjunct faculty

**STUDENTS**

**DEGREES OFFERED**

- **BSE**
- **MS**
- **MSE** and **PhD** of Nuclear Engineering & Radiological Sciences

**FALL 2019 ENROLLMENTS**

- 133 graduate students (104 PhD; 29 MS)
- 113 undergraduate students (63 NERS; 50 Engineering Physics)

**DEGREES GRANTED LAST YEAR** (09/01/18–08/31/19)

- 39 BSE (22 NERS, 17 Engineering Physics)
- 19 MS/MSE (9 continuing PhD program)
- 19 PhD degrees

**GRADUATE STUDENT SUPPORT**

- 70 graduate student research assistants
- 8 DOE fellowships
- 3 internal fellowships
- 5 graduate student instructors
- 3 NSF fellowships
- 19 other fellowships (GEM, NRC, NPSC, NANT, SMART, ANS, CVT, MTV)

**RESEARCH**

**FISSION SYSTEMS**, **RADIATION TRANSPORT**, **THERMAL HYDRAULICS MULTIPHASE FLOW** • **PLASMA PHYSICS & FUSION** • **MATERIALS** • **MEASUREMENTS**, **NUCLEAR NONPROLIFERATION** • **CLIMATE CHANGE**

**LABORATORIES**

- Detection for Nuclear Nonproliferation Laboratory
- Experimental and Computational Multiphase Flow Lab (ECMF)
- High Field Science Laboratories (CUOS)
- High Temperature Corrosion Laboratory (HTCL)
- Irradiated Materials Testing Complex (IMTL)
- Materials Preparation Laboratory
- MCASL Center
- Metastable Materials Laboratory
- Michigan Ion Beam Laboratory (MIBL)
- Neutron Science Laboratory (NSL)
- Plasma, Pulsed Power, and Microwave Laboratory
- Plasma Science and Technology Laboratory
- Position Sensing Semiconductor Radiation Detector Lab
- Radiation Detection Laboratory
- Radiation Effects and Nanomaterials Laboratory
- Radiation Imaging Laboratory
- Radiological Health Engineering Laboratory

**MAJOR NATIONAL RESEARCH LEADERSHIP**

**CASL**

CONSORTIUM FOR ADVANCED SIMULATION OF LIGHT WATER REACTORS

**CVT**

CONSORTIUM FOR VERIFICATION TECHNOLOGY

**MTV**

CONSORTIUM FOR MONITORING, TECHNOLOGY AND VERIFICATION

**SNAP**

FASTEST PATH TO ZERO

SIMULATING NEUTRONS WITH ACCELERATED PARTICLES

**$25M**

FISCAL 2019 EXTERNAL SPONSORED AND INTERNAL RESEARCH

- TODD ALLEN
  - 2019 NERS GLEN & GLADYS KNOLL CHAIR
  - traumich@umich.edu
  - ners.engin.umich.edu


- Nuclear Engineering Graduate Program Created
- Nuclear Engineering Established
- Undergraduate program created
- Nuclear Engineering becomes Nuclear Engineering & Radiological Sciences
- Nuclear Engineering Laboratory Opens