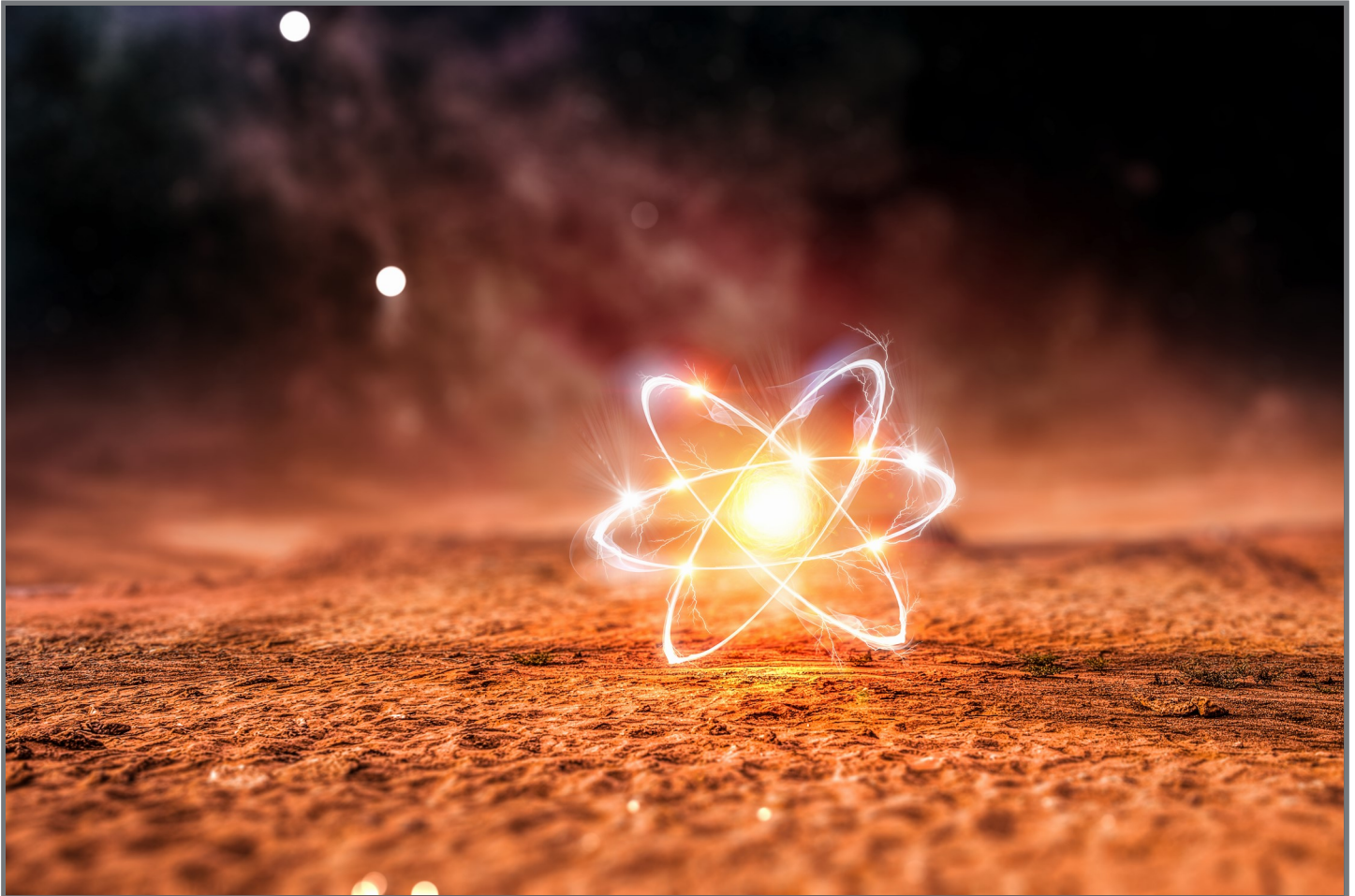


Masters Degrees in Nuclear Engineering Blacksburg and Northern Virginia



\$3.6
MILLION

current academic year funding

DEGREE OPTIONS

- * M.S.
- * MEng
- * Accelerated MEng for US Naval Academy students

CONTACTS

Alireza Haghighat, PhD
Director, Nuclear Engineering Program

Allison Jones
Program Coordinator
negrad@vt.edu

Visit us at
nuclear.ncr.vt.edu



Degrees offered at two campuses: Blacksburg and Northern Virginia.

Blacksburg Faculty Research Areas

Juliana Pacheco Duarte
pachecoduarte@vt.edu

Nuclear safety analysis; thermal-hydraulic systems; experimental and computational two-phase flow; boiling and condensation phenomena; subchannel analysis; advanced light water reactor; small modular reactors; inverse heat transfer problems

Yang Liu
liu130@vt.edu

Nuclear thermal hydraulics and reactor safety; two-phase flow modeling, instrumentation and experimentation; two-phase flow computational fluid dynamics; advanced passive safety system design

Mark Pierson
mark.pierson@vt.edu

Radioisotope betavoltaic batteries; nuclear fuel cycle; nuclear security, nonproliferation and safeguards; radiation transport, radiation detection and measurement; nuclear power plant operations and safety; fusion demonstration reactor for research and educational outreach

Jinsuo Zhang
zjinsuo@vt.edu

Nuclear materials compatibility, corrosion and degradation; nuclear fuel materials, nuclear fuel cycle technology, electrochemical separation, nuclear safeguards and nonproliferation, advanced coolant materials (molten salt, liquid metal)

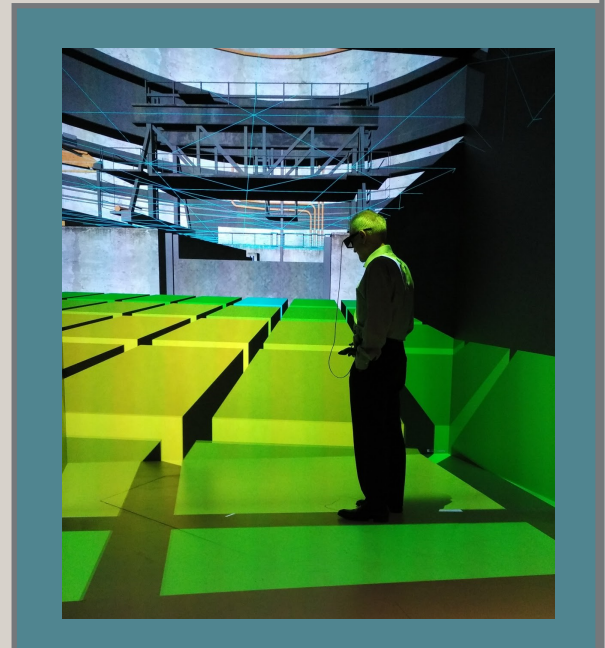
Northern Virginia Faculty Research Areas

Alireza Haghghat
haghghat@vt.edu

Advanced particle transport method development; advanced particle transport code development; virtual reality systems for scientific computing; nuclear system design and analysis using particle transport methods; advanced core reactor design

Celine Hin
celhin@vt.edu

Theoretical physical metallurgy; nuclear materials and radiation effects; behavior of materials under extreme environments; statistical physics; atomic physics; thermoelectric properties; electrochemistry; analytical and numerical method development



Courses
available
online



Funding
opportunities
available for length
of degree program