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ENERGY ACADEMIC GROUP

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Faculty

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FACULTY CONTACTS

NPS Defense Energy Programs are interdisciplinary, shared by organizational units throughout the campus. A wide range of NPS faculty are affiliated with the Energy program, actively participating in Energy graduate education, Energy executive education and Energy research.

Click on name(s) listed below to email faculty member.

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Graduate School of Engineering & Applied Sciences (GSEAS)

- [Phil Durkee, Dean of GSEAS](#)
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ELECTRICAL & COMPUTER ENGINEERING

- [Bob Ashton, Associate Professor](#)
Power Electronics
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- [Roberto Cristi, Professor](#)
Signal Processing and Control for electronic power
[View Faculty Page](#)
- [Alex Julian, Associate Professor](#)
Power Electronics, Electronic Machines, Controls, EMI
[View Faculty Page](#)
- [Sherif Michael, Professor](#)
Analog VLSI, Electronics, Radiation Effects, Space Photovoltaics
[View Faculty Page](#)
- [Giovanna Oriti, Associate Professor](#)
Electric ship systems, power electronics, Energy Management Systems
[View Faculty Page](#)
- [Clark Robertson, Professor](#)
[View Faculty Page](#)

MECHANICAL & AEROSPACE ENGINEERING

- [Luke Brewer, Associate Professor](#)
High temperature materials
[View Faculty Page](#)
- [Christopher Brophy, Associate Professor](#)
Biofuels, combustion, advanced cycles
[View Faculty Page](#)
- [Joe Farmer, Visiting professor](#)
Batteries
- [Anthony Gannon, Research Assistant Professor](#)
Renewable Energy (Wind/Solar), gas/steam turbines, engines, HVAC, turbomachinery, advanced cycles
- [Garth Hobson, Professor](#)
Turbomachinery
[View Faculty Page](#)
- [Jack Lloyd, Distinguished Visiting Professor](#)
Energy and the environment, heat transfer
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- [Claudia Luhrs, Associate Professor](#)

Nano-MEMS energy materials Researcher and Advisor

- [Knox Millsaps, Professor & Chair, Mechanical & Aerospace Engineering](#)
Biofuels, gas/steam turbines, diesels, engines, HVAC, turbomachinery, advanced cycles
- [Max Platzer, Emeritus Professor](#)
Aerodynamics and structures in energy systems
[View Faculty Page](#)
- [Sanjeev Sathe, Associate Professor](#)
Heat Transfer, Energy Systems, Advanced Cycles, Thermodynamics

PHYSICS

- [Andres Larraza, Professor](#)
MEMS-based energy harvesting devices
[View Faculty Page](#)
- [Sebastian Osswald, Assistant Professor](#)
Nano-MEMS energy materials
[View Faculty Page](#)
- [Peter Crooker, Senior Lecturer](#)
Instructor - Fundamentals of Energy
[View Faculty Page](#)
- [Dragoslav Grbovic, Research Assistant](#)
MEMs systems for energy conversion
[View Faculty Page](#)
- [Joseph Hooper, Assistant Professor](#)
Energetic/New materials
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- [Jonathan Phillips, Research Professor](#)
High dielectric constant, energy storage materials
[View Faculty Page](#)
- [Nancy Haegel, Professor](#)
Transport imaging in solar cell materials
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SPACE SYSTEMS ACADEMIC GROUP

- [Jennifer L. Rhatigan, NASA Chair, Visiting Professor](#)
Spacecraft Thermal Control, Energy Systems, Combustion, Heat Transfer

SYSTEMS ENGINEERING

- [Cliff Whitcomb, Professor & Chair, Systems Engineering](#)
- [Fernand Marquis, Research Professor \(Meyer Institute\)](#)
Instructor, Energy Courses
[View Faculty Page](#)

Graduate School of Operational & Information Sciences (GSOIS)

OPERATIONS RESEARCH

- [Jim Eagle, Professor](#)
Military Modeling
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- [Daniel Nussbaum, Professor](#)
Energy: Return on Investment; Cost Benefit Analysis, Cost Estimating
[View Faculty Page](#)
- [Steven Pilnick, Associate Professor](#)
[View Faculty Page](#)
- [Emily Craparo, Research Assistant Professor](#)
Instructor - Operations Research for Energy Systems Analysis
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INFORMATION SYSTEMS

- [Sue Higgins, Research Associate](#)
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MODELING, VIRTUAL ENVIRONMENTS AND SIMULATION INSTITUTE (MOVES)

- [Don Brutzman, Associate Professor](#)

School of International Graduate Studies (SIGS)

NATIONAL SECURITY AFFAIRS

- [Naazneen Barma, Assistant Professor](#)
Political economy of natural resource management; pathways to resource conflict
[View Faculty Page](#)
- [Dan Moran, Professor](#)
Energy politics and security, resource conflict, climate and environmental politics
[View Faculty Page](#)
- [Harold Trinkunas, Associate Professor](#)
Instructor - EN4XX1
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- [Maiah Jaskoski, Assistant Professor](#)
Security contracting for mining & hydrocarbon interests; social protest, private sector & state institutions in mining conflicts, Latin America
- [Feroz Khan, Visiting Facul](#)
Nuclear energy, safety, security, and non-proliferation; energy corridors and resource politics
- [Bob Looney, Professor](#)
International economic implication of oil and resources
[View Faculty Page](#)

DEFENSE RESOURCES MANAGEMENT INSTITUTE

- [Eva Regnier, Associate Professor](#)
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Graduate School of Business & Public Policy (GSBPP)

- [Robert \(Wythe\) Davis, Lecturer](#)
- [David Henderson, Associate Professor](#) (Instructor, Energy Economics)
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Campus

- [Daniel Nussbaum, Professor, Academic Group Chair](#)
- [Peter Bertelsen, Research Associate](#)
- [CDR Walt DeGrange, Program Officer](#)
- [CDR Kevin Maher, Academic Associate](#)
- [Ann Jacobson, Supervisory Librarian](#)
Consolidating and adding energy-related resources in library to support energy mission
- [Jeffrey Rothal, Librarian](#)
MMOWGLI Energy game; Library's webpage of energy information resources

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