



The Department of MECHANICAL ENGINEERING



HOME

ABOUT US

NEWS

EVENTS

UNDERGRADUATE STUDIES

GRADUATE STUDIES

FACULTY & STAFF

RESEARCH

ALUMNI

GIVING

EMPLOYMENT

PHOTO GALLERIES

CANVAS LOGIN

MAKE A GIFT



Mechanical Engineering

Undergraduate Studies

[Return to Faculty Directory](#)

Pertmer, Gary A.



Associate Professor
Keystone Professor
Department of Mechanical Engineering
2129 Martin Hall, Building 088
University of Maryland
College Park, MD 20742
Email: pertmer@umd.edu
Phone: (301) 405-5284
Fax: (301) 314-9477

Research Interests

Nuclear reactor systems design and analysis; reactor safety; and thermohydraulics (heat transfer and fluid mechanics)

Education

Ph.D., University of Missouri-Columbia, 1978

Honors and Awards

A. James Clark School of Engineering Senior Faculty Teaching Award

Professional Memberships and Service

American Nuclear Society, Member

American Society of Mechanical Engineers, Member

American Society for Engineering Education, Member

Selected Publications

Introduction to Engineering Design – Book 9: Engineering Skills and Hovercraft Missions, J.W. Dally, G.A. Pertmer, and W.L. Fourney, College House Enterprises (2006).

Introduction to Engineering Design – Book 8: Anti-Icing Systems for Highway Bridges, J.W. Dally and G.A. Pertmer, College House Enterprises (2004).

Thamire, C., Ainane, S., and Pertmer, G.A., "A Novel Collaborative Program in Undergraduate Mechanical Engineering", Proc. 2004 ASEE Annual Conference (2004).

Garland, M., Mirzadeh, S., Alexander, C.W., Hirtz, G.J., Hobbs, R.W., Pertmer, G.A., and Knapp, F.F., "Neutron Flux Characterization of a Peripheral Target Position in the High Flux Isotope Reactor", App. Rad. & Isotopes, 59, 1 (2003)

Schmidt, J., Fines, J., and Pertmer, G.A., "The Teaching Fellows Program: Undergraduate Partners in Teaching", Proc. 2003 ASEE Annual Conference (2003).

Binney, S.E., Krane, K.S., Garland, M.A., Pertmer, G.A., and Mirzadeh, S., "Measurement of Neutron Cross Sections for Medical Isotopes", Trans. ANS, 86 (2002).

Ainane, S., Pertmer, G.A., and Schmidt, J., "Keeping the Flame Alive: What Happens AFTER the ABET Visit", Proc. 2002 ASEE Annual Conference (2002).

Lent, R., Schmidt, J., Schmidt, L., and Pertmer, G.A., "Exploration of Collective Efficacy Beliefs in Student Project Teams: Implications for Student and Teams Outcomes", Proc. 2002 ASEE Annual Conference (2002).

