CASTLE @ Drexel • Seminar Series •

Featuring Donna Riley, PhD

Kamyar Haghighi Head of the School of Engineering
and Professor of Engineering Education, Purdue University

February 11th

Seminar from 1-2pm, Reception from 2-3pm

Hill Conference Room, Rm 240
Lebow Engineering Center, 31st and Market Streets

"Do Engineers have Principles? Public Values in Professional Practice"

Recent public engineering scandals like the VW Diesel Cheat, Theranos's biotech vaporware, and the Boeing 737-MAX call us to reflect on how engineers, management, and various publics prioritize, realize, override, or discard certain values in the design and deployment of technology purported to benefit people and the planet. As we look towards a future marked by increasingly complex wicked problems and social messes, what are the core competencies that will enable engineers to sustain the profession's and the public's core values, including (but not limited to) health, safety, well-being, trust, quality, equity, and integrity? How are these competencies best learned and taught? What role can engineers and non-engineers play in creating cultures of accountability and fidelity in support of these values?

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Donna Riley is Kamyar Haghighi Head of the School of Engineering Education and Professor of Engineering Education at Purdue University. Dr. Riley joined Purdue in 2017 from Virginia Tech, where she was Professor and Interim Head in the Department of Engineering Education. From 2013-2015 she served as Program Director for Engineering Education at the National Science Foundation (NSF). Riley spent thirteen years as a founding faculty member of the Picker Engineering Program at Smith College, the first engineering program at a U.S. women's college. Riley earned a B.S.E. in chemical engineering from Princeton University and a Ph.D. from Carnegie Mellon University in Engineering and Public Policy. She is a fellow of the American Society for Engineering Education.

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