

**TRACK NAME**

Sustainability Research, Education, and Community Engagement - GIOS

SESSION NAME

Land Development Sustainability

DATE + TIME + ROOM NUMBER

Saturday September 6th – 3:00pm – 106A

SESSION DESCRIPTION

A new engineering program at the ASU Polytechnic campus offers an interdisciplinary education to meet the needs of a global workplace. Students in this program work on realistic design projects every semester in state-of-the-art engineering studios where they learn to innovate and apply engineering principles. One focus area within the new ASU Poly engineering program prepares students for professional practice in the area of land development with an emphasis on sustainable design. Graduates of this program will be agile engineers with a comprehensive set of skills appropriate to address issues of local, regional, and global sustainability. This presentation describes the new sustainable land development program at ASU Poly and identifies key issues in sustainable land development applicable to high growth areas like the Phoenix metro area.

PRESENTER(s)

John E. Wooschlager – Associate Professor of Engineering at Arizona State University

PRESENTER BIOGRAPHY (s)

John E. Wooschlager is an Associate Professor of engineering at the Arizona State University at the Polytechnic campus. Before joining the ASU Poly program, John was an Associate Professor at the University of North Florida (UNF) in Jacksonville. John has participated in over 2.5 million-dollars worth of collaborative funded research and has fourteen peer-reviewed publications. Additionally, while at UNF, he was honored with the Students Choice Professor Award in 2003/2004 and nominated for the Outstanding Undergraduate Teaching Award in 2004/2005. His research involves developing computer models of complex environmental systems. John received his B.S. in Civil Engineering from Southern Illinois University at Edwardsville and his M.S. and Ph.D. degrees in Environmental Engineering from Northwestern University.

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