Workshop 1 – Thursday, October 7, 5:00-7:00 p.m., Room 3-442

Welcome back! Becoming a Technical Leader: Exploring Your Interests

By David Niño, Jin Wu, and our engineering dean’s Graduate Student Advisory Group

During this workshop, we will learn and practice several group methods for sharing and synthesizing information. The focus will be on exploring your goals and interests related to technical leadership and we plan to use the outputs from this session to develop future workshops and events for our growing community.

Workshop 2 - Tuesday, October 19, 5:00-7:00 p.m., Room 32-124

Investigating Leadership and Engineering through Film and Media: The Making of the Atomic Bomb

By Chris Boebel and Andrew Silver

Using an award-winning BBC mini-series, along with supplemental references from film and books, participants will observe and discuss the leadership of one of the largest engineering projects in history: The “Manhattan Project” that designed and built the world’s first atomic bomb. Students will consider leadership of the project and moral responsibility in the context of the devastating use of atomic weapons at the close of World War II, clashing leadership styles between scientists and the military, and how these concerns relate to broader questions of leadership and ethics on complex scientific and engineering projects.

Workshop 3 – Thursday, November 4, 5:00-7:00 p.m., Room 3-442

Leadership and Career Paths in Technical Organizations

By Reza Rahaman, with James Magarian, Jin Wu, and Marina Mattos

This workshop highlights the role of the career progression options available in technical organizations AND the types of technical projects being undertaken by the organization in determining a path that maximizes growth and satisfaction for a technical graduate. A panel discussion will help to bring potential career options to life.
**Workshop 4** - Wednesday, November 10, 5:00-7:00 p.m., Room 32-124

**Effective Mentorship Skills for Grad School and Beyond**

By Diana Chien, Andrea Lehn, Caroline Nielsen, Crystal Owens, and Spencer Zhu

Establishing a positive, supportive mentoring relationship has numerous benefits for both you and your mentee: increasing productivity, building your mentee’s confidence and professional development, and reducing stress and conflict. In this interactive workshop, attendees will learn the components of effective mentorship, and practice leadership and negotiation skills in the context of supervising a research mentee.

**Workshop 5** - Thursday, November 18, 5:00-7:00 p.m., Room 3-442

**Understanding Customer Needs and Market Demands, How Small Startups Can Dominate the Market**

By Jin Wu

How did Netflix overtake Blockbuster? How did Amazon overtake so many well-established brick and mortar stores? How can you, as a small player in a market, overtake the giants? The secret lies in one simple but effective thing: understanding customer needs and market demands. Understanding this not only helps you to understand what projects to prioritize and work on, but how to effectively align your team to the right strategies.

**Workshop 6** - Tuesday, November 30, 5:00-7:00 p.m., Room 32-124

**Engineering Systems Leadership: Seeing the Forest AND the Trees**

By Olivier L. de Weck

How to be successful as an Engineering Leader by going beyond component optimization, and considering the whole system in its four major aspects: Scope, Function, Structure and Temporality. Examples from different domains such as energy, communications and transportation will be provided.