Spring 2022 Graduate Certificate in Technical Leadership
Workshop Series

**Workshop 1** – Tuesday, February 15, 5:00-7:00 p.m., Room 32-144

**World-Class R&D for Geographically Distributed Markets**

By Reza Rahaman, Bernard M. Gordon Industry Co-Director and senior lecturer

This workshop gives a high-level view of where R&D fits, strategically and organizationally within the enterprise. It takes a look at some of the issues in operating across cultures and highlights how cultural differences may lead to product development solutions that optimize for different value equations. This is brought to life by a group exercise that looks at developing a simple cleaning product across two geographies.

**Workshop 2** – Wednesday March 2, 5:00-7:00 p.m., Room 32-144

**Leading at the Intersection of Management and Engineering**

By Joan Rubin, Executive Director, MIT Systems Design Management

Engineers and technologists build their credibility and reputation within organizations as problem solvers, but many struggle to translate that subject matter expertise into leadership roles across the enterprise. This workshop will examine skills that need to be honed to understand the business trade-offs in technical decisions and successful communication strategies to build “respect” in leading at the intersection of engineering and management. Students will participate in a case-type study evaluating R&D investment in a medical device organization.

**Workshop 3** – Wednesday March 30, 5:00-7:00 p.m., Room 32-144

**Focus of the workshop will be on decision making processes in engineering projects**

Bryan Moser, Senior Lecturer, Systems Design Management
Workshop 4 – Thursday April 14, 5:00-7:00 p.m., Room 32-144

Project Management Methodologies Part I

By Jin Wu, Lecturer, Graduate Program in Engineering Leadership

In this two-part series of workshops, we will look at an overview of different project management practices that are used in the industry. This includes Waterfall, Agile (overall), Scrum, LEAN, Six Sigma, and Spiral. This is a good crash course for students that have little or no exposure to project management methodologies. It can also be a good overview for students that are already familiar with one or more methodologies and are curious about the other methodologies.

Workshop 1 will focus on Waterfall vs. Agile (overall), and Scrum. Sessions are independent and you do not need to attend both.

Workshop 5 - Thursday April 21, 5:00-7:00 p.m., Room 32-144

By Jin Wu, Lecturer, Graduate Program in Engineering Leadership

Project Management Methodologies Part II

In this two-part series of workshops, we will look at an overview of different project management practices that are used in the industry. This includes Waterfall, Agile (overall), Scrum, LEAN, Six Sigma, and Spiral. This is a good crash course for students that have little or no exposure to project management methodologies. It can also be a good overview for students that are already familiar with one or more methodologies and are curious about the other methodologies.

Workshop 2 will focus on LEAN, Six Sigma, and Spiral. Sessions are independent and you do not need to attend both.

Workshop 6 - Thursday May 5, 2022, 5:00-7:00 p.m., Room 32-144 and/or zoom

Taking charge of new roles after graduation

Are you prepared to hit-the-ground running after graduation? Learning how to “take charge” of new roles is an important leadership capability and this final workshop will help you build this skill. It is intended for graduating students but all are welcome. We will be joined by four alumni of our program who will share experiences transitioning to their roles and also address your questions. These include

- Funmilola Asa, Leading Performance/Digital Advisor, Chevron
- Dhanush Durai Mariappan, Senior Engineer at GE Research
- Alison Olechowski, Assistant Professor, Mechanical Engineering, Dean’s Spark Professor, University of Toronto
- Jeg Sithamparathas, Lead Product Manager, Workspace Search, Google