Research in Open Innovation
TECH 62100-044
Thursdays, 4:30-7:20 PM
DLRC Room 143B

This is a research-oriented course designed for graduate students who aim to develop and implement a research study in the field of open innovation. You will discuss writings relevant to the new research fields of open and digital innovation emerging at the interface of innovation studies, information systems, and data science. Students will learn how to develop their individual research study to be published in an academic peer-reviewed journal. This course will cover emerging research topics such as collaborative consumption (Uber), digital platforms, and the sharing economy. Each student will work on her/his own research project. In addition, the students will participate in an action-oriented open data project performed by the class. Empirical piloting of a research question is key to this course. The Research Center for Open Digital Innovation (RCODI) in Discovery Park will offer opportunities to plan and implement individual research projects. Students will be required to discuss readings, plan their research project, and conduct a pilot study for their research.

Learning Objectives:
1. Gain a broad overview of the scientific literature on open innovation by taking perspectives from the fields of innovation studies, management, information systems, and information studies.
2. Develop your own theoretically and practically motivated research question in the field of open innovation and develop a theoretical model and hypotheses.
3. Develop a research design for your project, identify (or plan collection of) data, and pilot your research question.
4. Participate in an action-oriented research project in open innovation and research design learning.

Key Topics:
- Innovation, open innovation, user innovation
- Crowdsourcing and innovation contests
- Online communities and social media
- Word-of-mouth and diffusion
- Digital platforms and generativity
- Open data and open source
- Human computation and re-mixing
- Collaborative consumption, the sharing economy, and big data

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