

Course Structure (tentative)

- **Lecture Time**
 - **Lecture session (classroom): Tuesdays 3:00 pm - 4:15 pm**
 - **Paper presentation session (online): Thursdays 3:00 am - 4:15 pm**
- **Lecture Room**
 - **Max W & Maileen Brown Hall (EE Building) 226**
- **Online Lectures**
 - **<https://purdue-edu.zoom.us/my/lusuroom>**
 - **Either synchronous or asynchronous**
 - **Will be recorded**
- **Piazza: piazza.com/purdue/spring2023/ece69500iot**
- **Three or four papers each week.**
- **Each student is required to**
 - **present one or two papers in class.**
 - **write reviews for several papers.**
 - **conduct peer evaluation on paper presentations.**

Paper Presentation Session

- **Three or four papers each week.**
- **Papers are selected from recent top conferences on Internet of Things**
 - **MobiCom, MobiSys, SenSys, UbiComp, IoTDI**
- **Each student is required to**
 - **present one or two papers in class.**
 - **write reviews for several papers.**
 - **conduct peer evaluation on paper presentations.**

Paper Presentation

- **Time duration**
 - **Presentation: 15 - 20 minutes**
 - **Discussion: 5 minutes**
- **Problem**
 - **New problem? Practical problem?**
- **Method**
 - **Data mining, machine learning, vision, ...**
- **Evaluation**
 - **Real deployment? Simulation? Both?**
- **Thoughts**
 - **Strength and weakness, how to improve it?**
- **Send slides to the instructor before the presentation!**

Paper Review

- **Length**
 - Less than a page
- **Summarization**
 - Problem, solution, experimental results
- **Pros**
- **Cons**
- **2 questions for the presenter**
- **Send review to the instructor before the presentation!**
- **Attend the presentation of the reviewed paper!**

Course Project

- **Complete a research project or a survey in a team.**
- **Research Project**
 - Find teammates
 - Propose an idea
 - Survey existing/related work
 - Limited testbeds/devices (e.g., mmWave radar) available
 - Smartphone based
 - Simulation based
 - Public dataset
- **Survey (A- at best)**

Course Project Timeline

- **Written Proposal: Week 6 (tentative)**
- **Proposal Presentation: Week 6 (tentative)**
- **Final Presentation: Final Week**
- **Final Report**

Grading Policy (Tentative)

- **Course Project (60%)**
- **Paper presentations (20%)**
- **Paper reviews (10%)**
- **Peer evaluation (10%)**
- **No exam!**

Presentation and Review Assignment

- Send me your
 - CV
 - **Top 10** preferred presentation (or review) paper
 - Thursdays when you cannot attend class (**Up to 5**)
- Manual Assignment

Questions