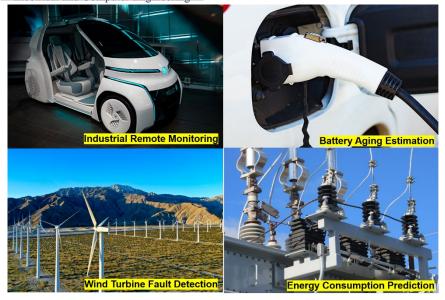


COEN 4890/EECE 5890 FALL 2021

Developments in Computing: Artificial Intelligence for Industrial Applications

Electrical and Computer Engineering



- Pefine Industrial AI application scenarios according to their industrial, analytic, and business functions
- Identify appropriate solutions based on Industrial AI case studies
- Recognize how industry developers format Industrial AI code
- Work through the AI problem solving process, including data preprocessing, feature extraction, data modeling and prediction, and data visualization
- Gain valuable insight on common industrial processes including equipment maintenance, virtual metrology, energy management, defect detection, material sorting, and scheduling
- instructor:

Dr. Dong Hye Ye, ECE, Marquette University.

COURSE FORMAT

- Asynchronous Online
 Lectures created by
 Foxconn iAI
- Active Discussion and Q&A Forums in D2L led by Instructor
- Hands-on Coding Lab and Projects with Real Industry Data

PROJECT EXAMPLES

- Predictive Maintenance
- Virtual Metrology
- **©** Energy Management
 - ★ Facility EnergyConsumption Prediction
- Machine Vision
 - ▲ Quality Inspection of Steel Components
- Scheduling Optimization
 - ♣ Flexible Job-shop Scheduling

Or Propose Your Own Topic

🏥 FOXCONN iAI 📦





