Mechanical Engineering Seminar Series

- Date: **Wednesday, September 28th, 2022**
- Time: **17:00 PM KST** <u>Online</u>
- Zoom Meeting ID: **951 4959 4171 / PW: 100269**

Infinite Challenge of Onepredict

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Prof. Youn is a Professor of Mechanical Engineering at Seoul National University (SNU) and a founder and CEO of OnePredict Inc. (onepredict.com). He is also a Fellow of the PHM Society, an Associate Member of the National Academy of Engineering of Korea (NAEK), and a former President of the Korean Society of PHM. His current research includes prognostics and health management (PHM), engineering design under uncertainty, and energy harvester design. His dedication and efforts in research and development have garnered substantive peer recognition resulting in many notable awards including World's Top 2% Scholar, Stanford University (2020), the Prime Minister Award (2019), the Outstanding Awards from the Korean Society of Prognostics and Health Management (KSPHM), the Korean Society of Design Optimization (2019), the Shin Yang Academic Award from Seoul National University (2017), the 11-time winner of Global PHM Data Challenges including PHM Society Data Challenge, etc.

Abstract

The transformation from a professor to an enterpriser is an exciting challenge. Although technology is excellent, business is a series of unexpected events beyond our imagination. Especially, developing a non-existent business model like 'Industrial AI-based Predictive Maintenance (PdM) Digital Twin' has been
The biggest challenge in my career, but surely it is meaningful and heart beating. In this seminar, the 'infinite challenge' story of the Onepredict company will be presented. Onepredict received 40 million US dollars over 5 years and dreaming about a KOSDAQ IPO in early 2024. You can learn the challenge, failure, and lesson-learned stories that haven been experienced in the process of the company growth such as the motivation of founding Onepredict, failure and success of financial investments, and difficulties in product development.

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