

Navigating the Future of Maintenance: Unleashing the Power of Data for Prescriptive Excellence

Abstract:

In today's rapidly evolving industrial landscape, unlocking the full potential of data-driven maintenance strategies is essential for operational success. We've witnessed the evolution from predictive maintenance to prescriptive maintenance—a shift that goes beyond foreseeing issues to prescribing optimal solutions. In this keynote speak, author will delve into the strategies and technologies that illuminate the path from predictive to prescriptive maintenance as well as show examples of predictive-to-prescriptive systems that has been developed in FMENA Maintenance Laboratory. Together, we will uncover the secrets of proactive, data-fueled maintenance, setting a course for a future where downtime is minimized, assets are maximized, and operational excellence becomes the standard.

Davor Kolar received his Master and PhD in Industrial Engineering and Management at the University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture (FMENA). After two years in industry, he joined the team of his home faculty as a researcher. He is currently an assistant professor and head of the laboratory (Maintenance Laboratory) at the Department of Industrial Engineering and Management. His main research interest are related to maintenance process improvement through the application of advanced computing. He has been an active member of several EU funded projects. He is the author or co-author of more than 30 publications in refereed journals and conference proceedings.

