Dong Wang

Dr. Dong Wang is a tenured associate professor in the Department of Industrial Engineering at the School of Mechanical Engineering, Shanghai Jiao Tong University. His research focuses on fundamental theories of intelligent operations and maintenance. He has proposed theories for fault feature identification and methods for localization and separation, novel design concepts for fault features, optimization models for characterizing degradation properties, data-model interaction prediction theories and methods for fault features, and stochastic programming decision models based on fault evolution. His research outcomes have been applied in numerous industrial collaborations. He is a recipient of the Young Science and Technology Award from the Chinese Society for Vibration Engineering, a First Prize from the China Association for Promotion of Science and Technology, and a Gold Medal from the China Invention Association. He also received the "Excellent Achievement Award" from Lenovo, and his work has been featured by mainstream media outlets such as People's Daily, People.com.cn, and Xinhua Finance. He serves as an Area/Topical Editor for IEEE Sensors Journal and the Journal of Reliability Science and Engineering, and as an Associate Editor for Mechanical Systems and Signal Processing, IEEE Transactions on Instrumentation and Measurement, the Journal of Dynamics, Monitoring and Diagnostics, and Measurement.