

Sep. 13 9:00-12:00

No.	Title	Speaker
P01-01	Demonstration of Sensor Monitoring of Lubricants	Kyoko Kojima ¹ 1. Hitachi, Ltd.
P01-02	Data-driven method for assessing slagging/fouling index in thermal power plant using autoencoder-based covariate filtering and feature extraction	Seongjoon Kim, Geunseop Lee, and Seongwan Son ¹ 1. Chosun University
P01-03	Health Monitoring of Power Semiconductor Module Using Temperature Sensitive Electrical Parameter	Guesuk Lee ¹ , Sungsoo Choi ¹ , Byongjin Ma ¹ , and Jemin Kim ¹ 1. Korea Electronics Technology Institute
P01-04	Application of Model-Based Deep Reinforcement Learning Framework to Thermal Power Plant Operation Considering Performance Change	Yutaka Watanabe ¹ , and Takehisa Yairi ² 1. Central Research Institute of Electric Power Industry, 2. University of Tokyo
P01-05	Survival Time Analysis of Turbocharger Devices in a Real Fleet of Volvo Trucks: Incorporating Temporal Information from Condition Monitoring Sensors	Mahmoud Rahat ¹ , and Peyman Mashhadi ¹ 1. Halmstad University
P01-06	Simulation-driven Bearing Fault Diagnosis for Condition Monitoring without Faulty Data	Iljeok Kim ¹ , and Seungchul Lee ¹ 1. Pohang University of Science and Technology
P01-07	Fully Unsupervised Defect Clustering using Adversarial Autoencoder and Bayesian Mixture Model	Taewan Kim ¹ , and Seungchul Lee ¹ 1. Pohang University of Science and Technology
P01-08	Evaluation of Multi-Modal Learning for Predicting Coolant Pump Failures in Heavy Duty Vehicles	Yuantao Fan ¹ , Amine Atoui ¹ , Slawomir Nowaczyk ¹ , and Thorsteinn Rognvaldsson ¹ 1. Halmstad University
P01-09	Spacecraft Propulsion System Diagnosis via MiniRocket: a result of PHMAP 2023 Data Challenge	Kento Kotera ¹ , and Akihiro Yamaguchi ¹ 1. Toshiba
P01-10	High-Speed Feature Extraction and Real-Time Fault Diagnosis Using Unscented Kalman Filter	Fumihisa Nagashima ¹ , Hatsuo Mori ¹ , and Yasuhiro Ishikawa ¹ 1. IHI
P01-11	Sparse Modeling of Wavelet Features for Fault Classification and Regression in Spacecraft Propulsion Systems	Joseph Cohen ¹ , Andreas Rauch ¹ , Jennifer Li ¹ , Bernardo Modenesi ¹ , James Boyko ¹ , Yutong Wang ¹ , Eunshin Byon ¹ , and Xun Huan ¹ 1. University of Michigan
P01-12	Expert-Informed Hierarchical Diagnostics of Multiple Fault Modes	Osarenren Kennedy Aimiyeqagbon ¹ , Amelie Bender ¹ , Alexander Löwen ¹ , Lars Muth ¹ , and Walter Sextro ¹ Paderborn University
P01-13	Change Point-based Spatio-temporal Process Modeling of Image Degradation for Manufacturing Process	Munwon Lim ¹ , and Suk Joo Bae ¹ 1. Hanyang University
P01-14	A Signal Pre-processing Method for Condition Monitoring based on Vibration Signals from On-Site Manipulators	Hea-Ryeon Seo ¹ , Geonhwi Lee ¹ , Gun Sik Kim ² , Jae Min Lee ² , Deog Hyeon Kim ² , Jin Woo Park ² , and Hae-Jin Choi ¹ 1. Chung Ang University, 2. Hyundai Motor Group