

Symposium Program at a Glance, 5 – 7 June 2024

Wednesday 5th June 2024

08:30-09:00 Main Stage <i>Opening Ceremony</i>		
09:00-10:00 Main Stage Plenary Session We1P <i>Ron J. Patton: Offshore Wind Turbine Rotor Imbalance, a Fault Tolerant Control Problem</i>		
10:00-10:15 Small Theatre <i>Coffee Break</i>		
10:15-12:15 Main Stage Invited Session WeB1 <i>AI Enhanced Fault Detection, Supervision and Safety of Technical Processes I</i>	10:15-12:15 Small Theatre Invited Session WeB2 <i>Fault Diagnosis and Fault Tolerant Control for Safety of Marine Systems</i>	10:15-12:15 Rehearsal Room Invited Session WeB3 <i>Hydraulic Systems: Advanced Detection and Security</i>
12:15-13:30 Small Theatre <i>Lunch</i>		
13:30-14:30 Main Stage Plenary Session We2P <i>Christophe Combastel: Reachability and Filtering for Safe Processes: From Zonotopes to Functional Sets with Typed Symbols</i>		
14:30-16:10 Main Stage Regular Session WeD1 <i>Fault Diagnosis for Aerospace Systems</i>	14:30-16:10 Small Theatre Regular Session WeD2 <i>FDI for Vehicles and Traction Systems</i>	14:30-16:10 Rehearsal Room Regular Session WeD3 <i>Prognostic Methods and Predictive Maintenance</i>
16:10-16:25 Small Theatre <i>Coffee Break</i>		
16:25-18:25 Main Stage Invited Session WeE1 <i>AI Enhanced Fault Detection, Supervision and Safety of Technical Processes II</i>	16:25-18:25 Small Theatre Regular Session WeE2 <i>Advanced Vehicle Fault Diagnosis</i>	16:25-18:25 Rehearsal Room Regular Session WeE3 <i>System Monitoring and Maintenance</i>

Thursday 6th June 2024

08:30-09:30 Main Stage Plenary Session Th1P <i>Roger Dixon: Fault Tolerance in Railways: The Evolution of a Radical Next Generation Track Switch</i>		
09:30-09:45 Small Theatre Coffee Break		
09:45-11:45 Main Stage Invited Session ThB1 <i>Advance of Fault-Tolerant Estimation and Control</i>	09:45-11:45 Small Theatre Regular Session ThB2 <i>Estimation and Filtering Methods for Fault Diagnosis</i>	09:45-11:45 Rehearsal Room Regular Session ThB3 <i>Structural Methods for Fault Diagnosis</i>
11:45-13:00 Small Theatre Lunch		
13:00-14:00 Main Stage Plenary Session Th2P <i>Olof Steinert: Harnessing Data for Predictive Maintenance and Collaboration, to Boost Innovation</i>		
14:00-16:00 Main Stage Regular Session ThD1 <i>Artificial Neural Networks for Fault Diagnosis</i>	14:00-16:00 Small Theatre Regular Session ThD2 <i>Health Monitoring and Fault Diagnosis Applications</i>	14:00-16:00 Rehearsal Room Regular Session ThD3 <i>Fault Diagnosis for Nonlinear Systems</i>
16:00-16:15 Small Theatre Coffee Break		
16:15-18:15 Main Stage Regular Session ThE1 <i>Estimation and Filtering Methods for FDI Applications</i>	16:15-18:15 Small Theatre Regular Session ThE2 <i>Cybersecurity & Cyber Attack Solutions</i>	16:15-18:15 Rehearsal Room Round Table Discussion ThE3 <i>Round Table: Gnosis for Maintenance: From Diagnosis to Prognosis and Health Aware Control</i>
18:30-23:00 Gala Dinner Ex Teatro Verdi Via Castelnuovo, 10, 44121 Ferrara (FE), Italy		

Friday 7th June 2024

08:45-09:45 Main Stage Plenary Session Fr1P <i>Biao Huang: Advancing Causal Analysis for Fault Detection and Root Cause Analysis in Process Systems Engineering</i>		
09:45-10:00 Small Theatre Coffee Break		
10:00-12:00 Main Stage Regular Session FrB1 <i>Model Predictive and Reconfigurable Control</i>	10:00-12:00 Small Theatre Regular Session FrB2 <i>Process Safety</i>	10:00-12:00 Rehearsal Room Regular Session FrB3 <i>Wind and Wave Energy System</i>
12:00-13:15 Small Theatre Lunch		
13:15-14:15 Main Stage Plenary Session Fr2P <i>Ping Zhang: Detection and Avoidance of Cyber Attacks on Industrial Control Systems</i>		
14:15-16:15 Main Stage FrD1 <i>LiU-ICE Benchmark Competition</i>	14:15-16:15 Small Theatre Regular Session FrD2 <i>FDI for Discrete Event and Hybrid Systems</i>	14:15-16:15 Rehearsal Room Regular Session FrD3 <i>Fault Detection and Isolation for Linear Systems</i>
16:15-16:30 Small Theatre Coffee Break		
16:30-18:10 Main Stage FrE1 <u><i>No Session</i></u>	16:30-18:10 Small Theatre Regular Session FrE2 <i>Fault-Tolerant and Reconfigurable Control</i>	16:30-18:10 Rehearsal Room Regular Session FrE3 <i>Fault Diagnosis in Electromechanical Systems</i>
18:10 – 18:30 Main Stage Closing Ceremony		