

**Online Session: Thursday, 17:00-20:00.**

1. " Predictive Degradation Modelling Using Artificial Intelligence: Milling Machine Case Study "

Speaker: Hasan Misaii

2. "Automatic Underwater Vehicle Fault Diagnosis Framework Based On A Multi-Scale Attention Mechanism"

Speaker: Pinze Ren

3. Subject: Modelling Degradation And Ageing Phenomena In A Digital Twin Using Profile-Based Stochastic Hybrid Automata

Speaker : Gaël Hequet

4. "A Review Of Overhead Power Line Component Degradation Models"

Speaker: Tom Ivar Pedersen

5. „Bim Methodology For Railway Safety”

Speakers: Fahima Babas, Antoine Grall, Estelle Deloux

6.1 - Risk Factors Associated With The Violation Of Regulatory Requirements In The Maintenance Of Aircraft Components

Speaker: Jose Cristiano Pereira

6.2 - A Comprehensive Risk Assessment Of Industrial Radiography Process Within Industry 5.0: Towards Continuous Safety Improvement

Speaker: Jose Cristiano Pereira

6.3 - Systems Integration Aimed At Improving Quality And Safety In Technical Training Management In Aircraft Engine Components Maintenance Organizations

Speaker: Jose Cristiano Pereira

7. „Conversion Of Offshore Platform Under Decommissioning: Design And Hse Investigation Of Hydrogen Mixture Injection Plant”

Speaker: Raffaella Gerboni

8. „ Xai And Cyber Resilience: A Sociotechnical Perspective”

Speaker: Tor Olav Grøtan

9. Data-Driven Risk Analysis Of Rare Events Based On Virtual-Reality-Generated-Data

Speakers: Huixing Meng,

10. „Dynamic Probability Assessment Of Hydrogen Leakage In Urban Hydrogen Refuelling Station”

Speaker: Jinduo Xing

11. „Comparative Study On Human Reliability Methods Based On Bibliometrics”

Speaker: Mengjie Shi

12. "Integrating Artificial Intelligence In Occupational Health And Safety Management Systems To Reduce Lost Time Injuries In The Construction Industry"  
Speaker: Dr Martha Chadyiwa

13. "Analyzing Spectrogram Parameters' Impact On Wear State Classification For Milling Tools" And The Speakers Of The Presentation Are "  
Speakers: Neha Patel And Rajiv Nandan Rai

14. „Voting-Based Condition Monitoring Using Set Of Indicators For Fleet-Wide Fault Detection In Wind Energy”  
Speaker: Théodore Raymond

15. „Intelligent Fault Diagnosis Method For Spacecraft Fluid Loop Pumps” – Video  
Speaker: Shouqing Huang

16. „Comparative Study On Human Reliability Methods Based On Bibliometrics”  
Speaker: Mengjie Shi

17. Title: System Reliability Assessment Of Component-Integrated Wireless Sensor Networks With Consideration Of Data Accuracy  
Speaker: Sören Meyer Zu Westerhausen

18. "How European Intelligence Act Impacts On Machinery Products"  
Speaker: Marianna Madonna

19.1. Quantum Inference And Optimization In Risk And Reliability: A Critical Review  
Speakers: Gabriel San Martin Silva, Enrique Lopez Droguett

19.2. Quantum-Based Optimization For Critical Infrastructure Health Monitoring  
Speakers: Gabriel San Martin Silva, Enrique Lopez Droguett

19.3. Quantum Generative Adversarial Networks For Wind Turbine Shaft Vibration Prognostics  
Speakers: Aaditya Tiwari, Gabriel San Martín Silva, Gustavo de Novaes Pires Leite, Enrique López Droguett