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Dmitry Yakovlev (National Research Nuclear University MEPhI, Russia)
Andrey Pryakhin (National Research Nuclear University MEPhI, Russia)
Sergey Korolev (National Research Nuclear University MEPhI, Russia)
Yulia Shaltaeva (National Research Nuclear University MEPhI, Russia)
Nikolay Nikolaevich Samotaev (National Research Nuclear University MEPhI, Russia)
Evgeniy Yushkov (National Research Nuclear University MEPhI, Russia)
Alexandra Avanesyan (National Research Nuclear University MEPhI, Russia)

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**Structural Health Monitoring I**

**Room:** Kessler

**Continuous strain prediction for fatigue assessment of an offshore wind turbine using Kalman filtering techniques**

Kristof Maes (KU Leuven, Belgium)
Guido De Roeck (KU Leuven, Belgium)
Geert Lombaert (KU Leuven, Belgium)
Alexandros Iliopoulos (Vrije Universiteit Brussel, Belgium)
Danny Van Hemelrijck (Vrije Universiteit Brussel, Belgium)
Christof Devriendt (Vrije Universiteit Brussel, Belgium)
Patrick Guillaume (Vrije Universiteit Brussel, Belgium)

**Damage detection in an operating Vestas V27 wind turbine blade by use of outlier analysis**

Martin Ulriksen (Aalborg University, Denmark)
Dmitri Tcherniak (Brüel & Kjær Sound and Vibration, Denmark)
Lars Damkilde (Aalborg University, Denmark)

**Dynamic monitoring of guardrails: approach to a low-cost system**

Daniele Davino (University of Sannio, Italy)
Maria Rosaria Pecce (University of Sannio, Italy)
Ciro Visone (University of Sannio, Italy)
Carmine Stefano Clemente (University of Sannio, Italy)
Angelo Ielardi (University of Sannio, Italy)

**Identifying fabrication defects of metal packaged fibre Bragg grading sensors for smart pre-stressing strands**

Iain McKeeman (University of Strathclyde, United Kingdom)
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Michael W Johnston (EDF Energy Nuclear Generation Ltd., United Kingdom)

**Implementation of UAV Localization Methods for a Mobile Post-Earthquake Monitoring System**

Mitsuhito Hirose (University of Michigan, USA)
Yong Xiao (University of Michigan, USA)
Zhiyuan Zuo (University of Michigan, USA)
Vineet R. Kamat (University of Michigan, USA)
Dimitrios Zekkos (University of Michigan, USA)
Jerome Lynch (University of Michigan, USA)

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**Implementation Impact of PMUs on State Estimation Accuracy in Active Distribution Grids with Large PV Penetration**

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Anna Piotrowska (University of Trento & CNR-IFN, Italy)
Andrea Chiappini (CNR-IFN, Italy)
Anna Lukowiak (PAS, Poland)
Cristina Armellini (CNR-IFN, Italy)
Alessandro Carpentiero (CNR-IFN, Italy)
Maurizio Mazzola (CNR-IFN, Italy)
Stefano Varas (CNR-IFN, Italy)
Marian Marciniak (National Institute of Telecommunications, Poland)
Maurizio Ferrari (University of Trento, Italy)
Daniele Zonta (University of Trento & CNR-IFN, Italy)

Strain The Data-Driven Method for Structural Dynamic and Static Monitoring of a damaged Church

Lisa Barbetta (University IUAV of Venice, Italy)
Giosuè Boscato (University IUAV of Venice, Italy)
Alessandra Dal Cin (University IUAV of Venice, Italy)
Silvia Ientile (University IUAV of Venice, Italy)
Salvatore Russo (University IUAV of Venice, Italy)

Monitoring of historical buildings: project of a dynamic monitoring system for the world's largest elliptical dome

R. Ceravolo (Politecnico di Torino, Italy)
G. De Lucia (Politecnico di Torino, Italy)
M. Pecorelli (Politecnico di Torino, Italy)
L. Zanotti Fragonara (Cranfield University, United Kingdom)

Operational modal analysis on a r.c. building for the evaluation of the dynamic changes due to retrofitting

Davide Roia (Università Politecnica delle Marche, Italy)
Fabrizio Gara (Università Politecnica delle Marche, Italy)
Elisa Speranza (Università Politecnica delle Marche, Italy)
Laura Gioiella (Università Politecnica delle Marche, Italy)
Luigino Dezi (Università Politecnica delle Marche, Italy)

Uncertainty evaluation of after-earthquake damage detection strategy

Davide Trapani (University of Trento, Italy)
Andrea Maroni (University of Trento, Italy)
Emiliano Debiasi (University of Trento, Italy)
Daniele Zonta (University of Trento, Italy)

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Sensors and Sensing Techniques for Environmental Monitoring
Room: Room 5

Phytoplankton identification by combined methods of morphological processing and fluorescence imaging

Mathieu Lauffer (CentraleSupelec, France)
Frédéric Genty (CentraleSupelec, France)
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Nikolay Nikolaevich Samotaev (National Research Nuclear University MEPhI, Russia)
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Leandro Lorenzelli (Fondazione Bruno Kessler, Italy)
Wojciech Kurowski (Nicolaus Copernicus University in Torun, Poland)
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Masoud Moradi (Iranian National Institute for Oceanography, (INIOAS), Iran)
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