H2020
Marie Skłodowska-Curie actions
European Training Networks

Workshop on Advances in the Analysis and Design of Composite Structures
A FULLCOMP Training and Networking Event

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The MUL^2 group and the AIDAA section of Turin are pleased to announce a 1-day workshop in the framework of the Marie Curie Project FULLCOMP

Dates and Venue 2 May 2017, from 8:30 to 18:00, Salone d'Onore, Castello del Valentino, Torino, Italy

Speakers and Topics

Application of the boundary element method to delaminated composite structures and SHM system for composite flange-skin delamination detection
Andrea Alaimo
Associate Professor, Department of Aerospace Engineering
Università degli Studi di Enna Kore, Italy
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A new multi-scale optimisation strategy for designing variable angle tow composites by integrating manufacturing constraints
Marco Montemurro
Associate Professor, Laboratoire I2M
Ecole Nationale Supérieure d'Arts et Métiers, Talence, France
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From lightweight design to cost-out – new requirements for composite stress engineers
Steffen Czichon
Technical Unit Director, Structure Development
ELAN-AUSY, Germany
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Improving the explosive blast damage resistance of composites
Adrian Mouritz
Executive Dean of School of Engineering
RMIT, Melbourne, Australia
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Predicting impact damage, residual strength, and crashworthiness using computational analysis: progress and challenges
Brian Falzon
Head of School of Mechanical and Aerospace Engineering
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Meshless and closed-form solutions of metallic and composite structures accounting for refined kinematics
Alfonso Pagani
Assistant Professor, MUL^2 Group, Department of Mechanical and Aerospace Engineering
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A comprehensive analysis of porous functionally graded thermal beam structures: stability, free vibration and dynamic response
Fiorenzo Fazzolari
Research Associate, Department of Engineering
University of Cambridge, UK
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Modelling of fracture in composite structures: application to photovoltaic modules
Marco Paggi
Associate Professor, Multi-scale Analysis of Materials Unit
IMT School for Advanced Studies Lucca, Italy
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A hygro-thermal stress finite element analysis of laminated beam structures by hierarchical one-dimensional modelling
Gaetano Giunta
Senior R&D Associate, Department of Materials Research and Technology
Luxembourg Institute of Technology, Luxembourg
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Refined structural models via axiomatic/asymptotic analyses and best theory diagrams
Marco Petrolo
Assistant Professor, MUL^2 Group, Department of Mechanical and Aerospace Engineering
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Low dimensional models for nonlinear dynamic analysis of composite shell structures
Eelco Jansen
Associate Professor, Institute of Structural Analysis
Leibniz Universität Hannover, Germany
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Adaptive compliant structures for flow regulation
Alberto Pirrera
Lecturer in Composite Structures, Department of Aerospace Engineering
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Virtual modeling of Polymer Matrix Composites (PMCs) from manufacturing to in service performances
Marianna Maiarù
Assistant Professor, Department of Mechanical Engineering
UMass Lowell, USA
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Finite Elements with Node Dependent Kinematics applied to metallic and composite structures
Enrico Zappino
Assistant Professor, MUL^2 Group, Department of Mechanical and Aerospace Engineering
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Registrations via email to marco.petrolo@polito.it - No Registration Fees - Deadline: 25 April 2017