

Conference Agenda

Session

SES-01: Non-destructive Testing I

Time: Wednesday, 05/Feb/2025: 9:10am - 10:30am

Presentations

One-Shot Segmentation of Battery Cells with Gradual Learning

Johann Christopher Engster¹, Nele Blum¹, Laura Hellwege^{1,2}, Thorsten M. Buzug^{1,2}, Maik Stille¹

¹Fraunhofer IMTE, Fraunhofer Research Institution for Individualized and Cell-Based Medical Engineering, Germany; ²Institute of Medical Engineering, University of Lübeck, Germany

Transverse cracking in glass fibre-reinforced composites monitored with synchrotron X-ray multi-projection imaging

Elise Van Vlierberghe¹, Jeroen Soete¹, Eleni Myrto Asimakopoulou², Zisheng Yao², Julia Rogalinski², Yuhe Zhang², Kannara Mom³, Bratislav Lukić^{4,5}, Christian Breite¹, Pablo Villanueva Perez², Yentl Swolfs¹

¹Department of Materials Engineering, KU Leuven, Belgium; ²Department of Synchrotron Radiation Research, Lund University, Sweden; ³CREATIS, INSA Lyon, France; ⁴European Synchrotron Radiation Facility, France; ⁵Henry Royce Institute, Department of Materials, United Kingdom

High-energy dual-energy computed tomography for the characterization of large and thick objects

Alix SARDET, Daniel ECK, Nicolas ESTRE, Frédéric MOUTET, Emmanuel PAYAN, Cécilia TARPAU

CEA DES IRESNE DTN SMTA LMN, France

X-ray micro-laminography of customized frequency acoustic panels

Lidija Korat Bensa, Uroš Bohinc, Rok Rudolf, Rožle Repič

Slovenian National Building and Civil Engineering Institute, Slovenia