

# Conference Agenda

## Session

### SES-08: Non-destructive Testing II

*Time:* Thursday, 06/Feb/2025: 3:40pm - 5:00pm

*Session Chair:* Martine Wevers

*Session Chair:* Simon Zabler

## Presentations

### **Glovebox-CT to Enable 3D Imaging of Reactive or Hazardous Samples**

**Nick Brierley<sup>1</sup>, Darius Zanke<sup>1</sup>, Luke Peche<sup>1</sup>, Peter Habenschaden<sup>2</sup>**

<sup>1</sup>diondo GmbH, Germany; <sup>2</sup>M. BRAUN Inertgas-Systeme GmbH, Germany

### **Digital fiber length determination for injection molded glass fiber reinforced composite materials**

**Andreas Griesser, Nelly Nunheim, Oliver Rimmel, Erik Glatt, Anne Blumer**

Math2Market GmbH, Germany

### **Surface Quality Monitoring and Improvement for Dimensional Metrology in Inline CT by Denoising with Neural Networks and Fast Surface Quality Metric**

**Faizan Ahmad<sup>1</sup>, Ahmed Baraka<sup>2</sup>, Steffen Kiess<sup>1</sup>, Dominik Wolfschläger<sup>2</sup>, César Cardona Marin<sup>1</sup>, Robert Schmitt<sup>2</sup>, Sven Simon<sup>1</sup>**

<sup>1</sup>Department of Computational Imaging Systems, ITI, University of Stuttgart,; <sup>2</sup>IQS Intelligence in Quality Sensing, Laboratory for Machine Tools and Production Engineering WZL | RWTH Aachen University

### **Segmentation of a CFRP weave structure for material characterization and simulation**

**Benedikt Boos, Kevin Chen, Martin Gurka**

Leibniz-Institute for Composite Materials, Germany