

#MORPHOWORKSHOPS

# INNOVATIONS IN SENSOR TECHNOLOGIES FOR ADVANCED COMPOSITES MANUFACTURING

NOVEMBER 4TH | 10:00 TO 12:00

ONLINE

Join us for the MORPHO Project Workshop: “*Innovations in Sensor Technologies for Advanced Composites Manufacturing*” on **November 4th, from 10:00 to 12:00**. This online event will feature industry experts presenting cutting-edge advancements in sensor technology for composites manufacturing, including fiber optical sensors, FBG sensor integration, and functional printing for aerospace.

## Workshop Highlights:

- **Chairs:**
  - Nikos Pantelelis, Director, Synthesites
  - Simon Waite, Senior Expert - Materials - Certification Directorate, EASA - European Union Aviation Safety Agency

## Speakers & Presentations:

- **Development and Application of Fiber Optical Sensors for Resin Transfer Molding (RTM) and Structural Health Monitoring (SHM)** – Vladislav Reimer, Scientific Project Manager, Fisens
- **Integration of FBG Sensors in CFRP RTM Parts and Data Analysis for Resin Flow Monitoring** – Andreas Krenz, Research Scientist, Fraunhofer IFAM
- **Printing of Sensors on Composite Components for Aerospace Applications** – Ingo Wirth, Project Manager, Functional Printing, Fraunhofer IFAM
- **Intelligent and Reliable Monitoring for Composites Moulding** – Nikos Pantelelis, Director, Synthesites
- **Hybrid twin for online monitoring of the Resin Transfer Molding process** – Eric Monteiro, Arts et Métiers Institute of Technology

**Q&A Session:** The workshop will conclude with an interactive **Q&A session** for participants to engage with the speakers.

Don't miss this opportunity to explore the future of intelligent monitoring in composites manufacturing!

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