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Tohoku Forum for Creativity Thematic Program 2016

Comprehensive Research on Materials, Systems and Energy for a Sustainable Future of the Earth

By Toshiyuki Takagi, Hiroo Yugami, Takashi Goto, Koshi Adachi and Naoto Wada

Agenda: TFC Workshop for Advanced Maintenance on Composite Materials on February 15 - 16, 2017

At TOKYO ELECTRON House of Creativity, Katahira Campus, Tohoku University
2-1-1 Katahira, Aoba-ku, Sendai 980-8577 JAPAN

■ Wednesday, February 15, 2017

13:30-13:35

Opening, Toshiyuki Takagi (Tohoku University, Japan)

13:35-14:25

Philippe Benoist (M2M, France)

Advanced phased array ultrasonic method to inspect composite parts

14:40-15:30

Lalita Udpa (Michigan State University, USA)

NDE Technologies for Rapid Inspection of Composite Structures

15:45-16:35

Henning Heuer (Fraunhofer Institute, Germany)

From NDT to Analytics - new concepts for composite inspection by ultrasound and Eddy Current techniques

16:50-17:40

Hiroyuki Kosukegawa (Tohoku University, Japan)

Eddy Current Testing for NDT of CFRP - Electromagnetic Numerical Analysis and Functionalization in Detectability -

■ Thursday, February 16, 2017

10:00-10:50

Matthias Goldammer (Siemens, Germany)

Non-destructive Testing of Fiber Reinforced Composites - results from the German Cluster Research Programme MAI2fp

11:05-11:55

Mahmoodul Haq (Michigan State University, USA)

Tailorability of Structural Composites and Dissimilar Material Joints: Integrated NDE and Computational Approach

13:30-14:20

Sunao Sugimoto (JAXA, Japan)

Nondestructive Evaluation Techniques of Advanced Composites and application examples in JAXA

14:35-15:25

Gerd Dobmann (Saarland University, Germany)

NDT of Fiber Reinforced Composites (Polymer-Matrix- and Metal-Matrix-Based) - a critical view back - an optimistic view forward

15:25-15:30

Closing, Gerd Dobmann (Saarland University, Germany)



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