

KAUST Research Conference: Recent Trends in Predicting and Monitoring the Integrity of Composites (COMINT)

June 1 - 2, 2015

Al-Jazri (building 4)

Level 5, conference room 5209

Organizers:

Prof. Gilles Lubineau (KAUST, Saudi Arabia)

Prof. Marco Alfano (University of Calabria, Italy)

Prof. John Botsis (EPFL, Switzerland)

Prof. Raul Tempone (KAUST, Saudi Arabia)

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Composite materials continue to play a key role in diverse applications, including energy production, transportation, aeronautics and infrastructure developments. The material composition, complex geometries of current and next-generation composite structures and extreme loading environments make integrity prediction challenging. In addition, in situ inspection of such materials and structures is very difficult, especially if the extent of damage is small.

Because of these issues, the important roles played by long-term predictive design methods, damage monitoring techniques and their use in complex composite structures have been the focus of research and development in both academia and industry.

The aim of this workshop is to advance research on integrity prediction and monitoring of composites structures. With participants from both academia and representatives from industry, the workshop will provide opportunities for exchanging ideas and discussing state-of-the-art theories, techniques and applications. It will encourage discussion and collaboration between industrialists and academics to identify future needs and possible directions to improve integrity monitoring and prediction.

Confirmed Speakers:

- Prof. Marco Alfano, University of Calabria, Italy
- Prof. Lars Berglund, KTH Royal Inst. of Technology, Sweden
- Prof. John Botsis, EPFL, Switzerland
- Prof. Tsu-Wei Chou, University of Delaware, U.S.
- Dr. Sébastien Didierjean, Flowtite Technology, Norway
- Prof. Gerd Dobmann, Fraunhofer Society, Germany
- Prof. Carlos González, IMDEA, Spain
- Prof. Michel Grédiac, Université Blaise Pascal, France
- Prof. Johann Guilleminot, UPEMLV, France
- Prof. Takashi Ishikawa, Nagoya University, Japan
- Prof. Niveen Khashab, KAUST, Saudi Arabia
- Prof. Pierre Ladevèze, ENS Cachan, France
- Prof. Gilles Lubineau, KAUST, Saudi Arabia
- Dr. Ali Minachi, Saudi Aramco, Saudi Arabia
- Dr. Matthieu Mulle, KAUST, Saudi Arabia
- Prof. Bing Pan, Beihang University, China
- Prof. Glaucio Paulino, Georgia Tech, U.S.
- Dr. Warden Schijve, Sabic, the Netherlands

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