

2<sup>nd</sup> International Conference on System-Integrated Intelligence  
July 2<sup>nd</sup> - 4<sup>th</sup>, 2014 | University of Bremen | Germany

## Structural Health Monitoring

Embedded Symposium organized by

Dr. M. Koerdt, O. Focke (Faserinstitut Bremen e.V.)

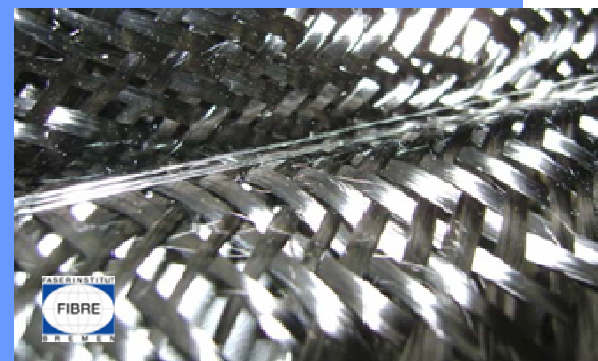
Prof. Dr. T. Becker, M. Bach (EADS-IW)

Dr. C. Kupferschmidt (Fraunhofer IWES)



Topics of interest include, but are not limited to:

- Fundamental technologies for the realization of SHM systems in aerospace, wind energy and similar structures.
- Techniques for application, surface and bulk integration of sensorial properties, sensors and sensor networks in mechanically loaded materials and structures.
- Technological developments and strategies facilitating the step from load monitoring to real-time damage detection, analysis and remaining service life prediction, including developments in the field of data evaluation, system identification etc.
- Regulatory boundary conditions for practical implementation of SHM systems in aerospace structures.
- Long term stability and reliability of sensor networks in demanding environments.
- Methods and tools for dimensioning of components based on sensor-equipped materials.
- Sensor network energy supply systems balancing energy harvesting, storage, management and use for maximum system autonomy.
- Interaction between integrated sensors and sensor networks and mechanical performance of structures, etc.



### Key Dates & Information:

**Abstract submission: Dec. 6<sup>th</sup>, 2013**

Acceptance notific.: Dec. 20<sup>th</sup>, 2013

Full paper submission: Feb. 1<sup>st</sup>, 2014

Conference website

[www.sysint-conference.org](http://www.sysint-conference.org)

... part of the SysInt 2014 Conference jointly organized by

- ISIS Sensorial Materials Scientific Centre, Bremen
- LogDynamics, Bremen
- Collaborative Research Centre (CRC) 653, Hanover
- Collaborative Research Centre (CRC) 614, Paderborn
- Leading Edge Cluster It's OWL, Ost-Westfalen Lippe

[www.isis.uni-bremen.de](http://www.isis.uni-bremen.de)

[www.logdynamics.de](http://www.logdynamics.de)

[www.sfb653.uni-hannover.de](http://www.sfb653.uni-hannover.de)

[www.sfb614.de](http://www.sfb614.de)

[www.its-owl.de](http://www.its-owl.de)

