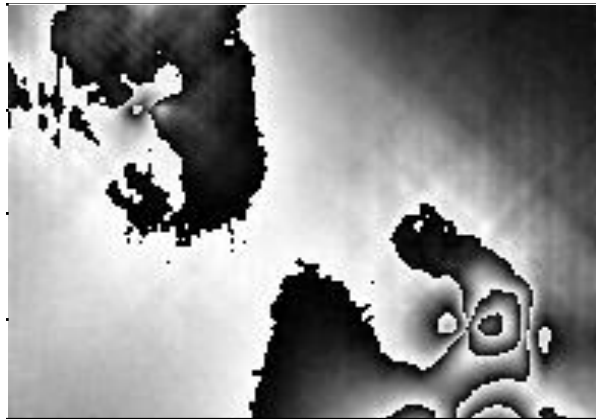
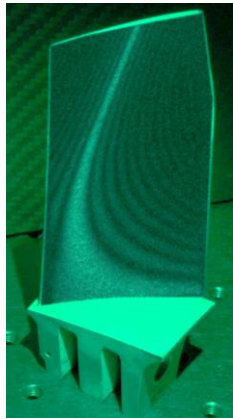


# ICSI2017

## Structural Health Monitoring



Over the years, Structural Health Monitoring has been object of an increase in interest by researchers, engineers and designers in order to reduce maintenance costs and improve safety. Current economic, technical and social demands have resulted in big challenges for researchers, engineers and designers to make greater use of advanced materials, namely in the aerospace industry. The use of this type of materials had a large impact in the development of new applications and has been in the forefront of engineering achievements and many new developed technologies have been transferred to other fields in recent years. All this motivated the development of non-destructive inspection techniques and the emergence of on-line monitoring inspection techniques based on the information of embedded or wireless sensors networks, with the final goal of maximizing the performance of structures, improving its reliability and reducing maintenance costs.

The main objective of this International Symposium is to bring together researchers working on Structural Health Monitoring. Due to its own interdisciplinary nature, which comprises, among others, structural modeling, measurement technology, and signal processing algorithms, it is expected a very fruitful discussion on the different topics present in any Structural Health Monitoring technique.

A selection of conference papers may be published in the **Journal of Strain Analysis for Engineering Design** (Impact Factor: 1.25).

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