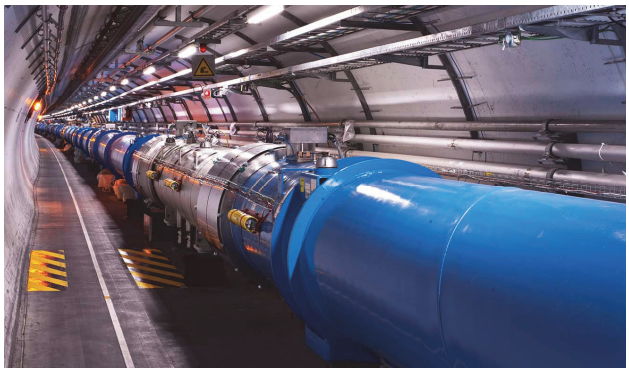
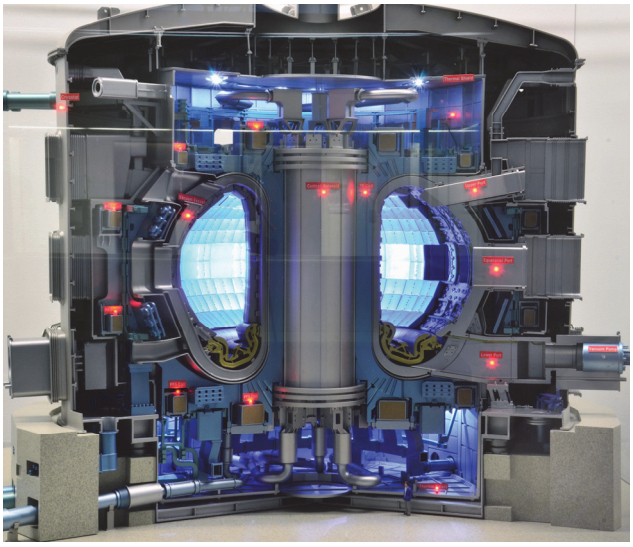
SMARTEC

Research References





RESEARCH
STRUCTURAL HEALTH
ASSESMENT SYSTEMS

References

- Concrete beam Poli Torino - Italy , 2019
- Max Planck Institute - Germany , 2019
- ReMap - European , 2018

Case Studies

CERN-LHC Dipoles Switzerland , 2000
EU Project ADAMOD Italy , 2008 – 2011
EU-ZEM Project EU , 2001 – 2004
Expo02 Tensegrity Switzerland , 1998
Concrete setting evaluation Switzerland , 2002 – 2005

Selected Publications

Smart Textiles for SHM of Geostructures and Buildings, Riccardo Belli, Branko Glisic, Daniele Inaudi, Berhane Gebreselassie , 4th International Conference on Structural Health Monitoring on Intelligent Infrastructure (SHMII-4) 2009, 22-24 July 2009, Zurich, Switzerland – 2009

Health monitoring with optical fiber sensors: from human body to civil structures, Éric Pinet, Caroline Hamel, Branko Glišic, Daniele Inaudi, Nicolae Miron , 14th SPIE Annual Symposium on Smart Structures and Materials & Nondestructive Evaluation and Health Monitoring, San Diego (CA), USA – (6532-19) – 2007

Strain Sensors for Deepwater Applications, Daniele Inaudi, Branko Glisic, Francesco Gasparoni, Stefano Cenedese, Maurizio Zecchin , The 3rd International Conference on Structural Health Monitoring of Intelligent Infrastructure – SHMII-3, November 13-16 – (on conference CD) – 2007

Monitoring of Deep-Seated Mass Movements, F. K. Brunner, H. Woschitz, K. Macheiner, The 3rd International Conference on Structural Health Monitoring of Intelligent Infrastructure – SHMII-3, November 13-16 – 2007

Separation of thermal and autogenous deformation at varying temperatures using optical fiber sensors, M. Viviani, B. Glisic, I.F.C. Smith, Cement & Concrete Composites, Elsevier – (Vol. 29, pp 435-447) – 2007

Health monitoring of a full composite CNG tanks using long-gage fiber optic sensors, B. Glisic, D. Inaudi, 11th SPIE's Annual International Symposium on Smart Structures and Materials, March 14-18, 2004, San Diego, USA – (Vol. 5384-7) – 2004

RESEARCH STRUCTURAL HEALTH ASSESMENT SYSTEMS

Selected Publications

Miniature Fiber Optic Sensors: from Human to Structural Health Monitoring. Inaudi and Blin, SMAR 2017 conference, Zurich

Integrated Optics Inclinometers for SHM. Inaudi et al, SMART 2019 Confernce, Potsdam

Available in Application Note

- Bridge Instrumentation and Structural Health Monitoring
- Building Instrumentation and Structural Health Monitoring
- Cryogenic Instrumentation & Safety Monitoring
- Dam & Dikes Instrumentation and Safety Monitoring
- FO Leak Detection System for Dams and Dikes
- FO Leak Detection in Process & Chemical Plants
- FO Leak Detection for Pipelines in Foundations
- FO Mining Instrumentation & Site Safety Monitoring
- FO LNG Pipeline Monitoring
- FO LNG Tank Monitoring
- Geothermal Monitoring
- Geotechnical & Structural Instrumentation
- Mining Instrumentation & Site Safety
- Nuclear Power Plants Instrumentation & Safety Monitoring
- Penstocks Instrumentation & Structural Health Monitoring
- Research Structural Health Assesment Systems
- Tunnel Instrumentation & Structural Health Monitoring
- Tailing Dams Monitoring

Smartec SA
Via Pobiette 11
CH-6928 Manno, Switzerland

Phone +41 91 610 18 00
Fax. +41 91 610 18 01

Email info@smatec.ch
Web www.smartec.ch

NOVA METRIX

SMARTEC SA reserves the right to make any changes in the specifications without prior notice