



AUSCULTATION ET SURVEILLANCE DE LA SANTÉ STRUCTURELLE DE BATIMENTS

Références

- Design of a monitoring system for a formwork - Switzerland , 2014
- Molson Coors Building Monitoring - Canada , 2014
- Strain measurements in concrete formwork - Switzerland , 2014
- Moses Wheeler Bridge - USA , 2014
- ENAC -EPFL structural monitoring - Switzerland , 2013
- Centre de Conférences EPFL - Switzerland , 2011
- Wailing wall tunnel in Jerusalem - Israel , 2012
- Nikkei building monitoring - Japan , 2009
- Kranji building - Singapore - Singapore , 2009
- 9 Geschosse Wohngebaeude Ueberwachung - Switzerland , 2009
- Milad Telecom Tower - Iran, Islamic Republic of , 2009
- Structural cracks in school building - Switzerland , 2007
- Nikken Sekkei Building - Japan , 2006
- Nam Dae Moon Gate - Korea, Republic of , 2007
- Chum Seong Dae - Korea, Republic of , 2007
- 33 Floors High-rise - Japan , 2006
- Bolshoi Theatre in Moscow - Russian Federation , 2011
- Burj Khalifa Tower in Dubai - UAE, 2008
- Palazzo Sceriman - Italy , 2001
- Water treatment plant - Switzerland , 1999
- Villa foundations - Switzerland , 1999
- Arasio Rock-wall - Switzerland , 1997
- Roof lining deformations - Switzerland , 1997
- Olympic Stadium and Montreal Velodrome - Canada , 2010
- Parc des Expositions la Porte de Versailles - France
- Pyramide du Louvres - France
- Cath_drale de Tournai - Belgium
- Ramses II Statue - Egypt

AUSCULTATION ET SURVEILLANCE DE LA SANTÉ STRUCTURELLE DE BATIMENTS

Études de cas

[Strain measurements in concrete formwork - Switzerland , 2014](#)
[Smart Building at University Campus - Germany , 2013](#)
[Palace in Angola - Angola , 2009](#)
[Riga Dome Monitoring - Latvia , 2007](#)
[Skyline skyscraper in Cosenza - Italy , 2008](#)
[Halifax Metro Centre - Canada , 2006](#)
[Hyundai Building Seoul - Korea, Republic of , 2006](#)
[Annunciation Cathedral Kremlin - Russian Federation , 2005](#)
[Seok-Ga Pagoda - Korea, Republic of , 2006](#)
[Pushkin State Museum of Fine Arts - Russian Federation , 2004](#)
[Cason del Buen Retiro - Spain , 2005](#)
[Duxton link bridge 5 - SOFO - Singapore , 2009](#)
[Wankdorf stadium - Switzerland , 2001](#)
[Watch production center - Switzerland , 2001](#)
[Building concrete columns - Singapore , 2001](#)
[EXPO02 Piazza Pinocchio - Switzerland , 2002](#)
[Villa Reale Monza - Italy , 2000](#)
[Helsinki Railway station roof monitoring - Finland , 1998](#)
[Gandria Church - Switzerland , 1997](#)

Publications sélectionnées

[Concrete building, monitoring data and Bayesian epistemology](#), Matteo Pozzi, Branko Glisic, Daniele Zonta, Daniele Inaudi, Joo Ming Lau, Chor Cheong Fong, ACI Convention - 2013

[Ten-year monitoring of high-rise building columns using long-gauge fiber optic sensors](#), B Glisic, D Inaudi, J M Lau and C C Fong, Smart Materials and Structures 22 - 2013

[Dynamic Monitoring of Buildings](#), Martin Gruber, Dr. Christoph Donié, EACS 2012 – 5th European Conference on Structural Control - 2012

[Integrated Structural Health Monitoring Systems for Buildings](#), Daniele Inaudi, International Workshop on Structural Health Monitoring, Stanford - 2009

Notes d'application

- Historical Monuments Instrumentation
- Auscultation et surveillance des barrages et digues
- Système détection de fuites à FO pour barrages et digues
- Auscultation et surveillance de l'intégrité structurale des ponts
- Auscultation et surveillance de l'intégrité structurale des tunnels
- Système de Détection du mouvement à FO dans les tunnels~
- Auscultation et surveillance de l'intégrité structurale des bâtiments
- Auscultation et surveillance des monuments historiques
- Auscultation et surveillance des centrales nucléaires
- Système détection de fuites à FO usines chimiques
- Système détection de fuites à FO pour pipelines
- Auscultation et surveillance dans les mines
- Auscultation et surveillance des falaises
- Surveillance géotechnique et structurale