



SURVEILLANCE 8 – Call for papers
October 20-21, 2015
Institute of Technology of Roanne, France

We have the great pleasure to invite you to the **International Conference Surveillance 8**. The conference will be held on **October 20-21, 2015** at the **Institute of Technology of Roanne, France**.

This 8th issue of the Surveillance Conference series follows the last to be held, [Surveillance 7](#), in 2013.

1. Machines

(Mechanical components, design...)

2. Vibrations & Acoustics

(Linear and non linear modelling and identification, non-stationary models...)

3. Numerical Modelling

(Finite Elements Methods, models for diagnostics, model updating, cracks models...)

4. Measurement and Testing Techniques

(Sensors and instrumentation, smart sensors, data acquisition and transfer, emerging technologies, smart structures...)

5. Signal Processing, Model Identification

(Detection, estimation, time frequency techniques, higher order statistics, cyclostationarity, source separation...)

6. Diagnosis Techniques

(Structural Health Monitoring, Non-Destructive Testing...)

7. Surveillance Techniques

(Fuzzy, neural networks, genetic algorithms, data mining, new techniques...)

8. Predictive Maintenance, Condition Monitoring and Prognosis

(Risk and reliability, statistics, probabilistic methods, Markov-chains...)

9. Industrial Applications and Case Studies

(Gears, rolling element bearings, electric machines, internal combustion engines, turbines, wind mills...)

Please visit the conference website at <http://surveillance8.sciencesconf.org/> for all information on Surveillance 8 and paper submission.

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The conference official language is English.

Important deadlines

- Electronic submission of 1-page abstract: March 31, 2015
- Notification of acceptance: June 1, 2015
- Full-length paper electronic submission: September 15, 2015

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