



<https://survishno.sciencesconf.org/>

Survishno is a joint organization of the conferences **Surveillance**, **VISHNO** (Vibration Shocks and Noise) and **AVE** (Analyse Vibratoire Expérimentale), which aims at bringing together actors in the fields of vibrations, structural dynamics and health monitoring. The conference will provide a forum for the most recent advances in these fields as well as a unique opportunity for interacting in a collegial atmosphere. **Topics** of the conference include (but are not limited to): **Structural & machine health monitoring, Modeling and identification of mechanical systems, Nonlinear dynamics, Vibration control, Structural dynamics, modal analysis, Signal processing & machine learning in mechanics, Diagnosis & prognosis, ...**

Survishno will welcome the following **keynote lectures**

- ▶ *Automatic expert condition monitoring: focus on a non-stationary index and the demodulation process*
Nadine Martin, Senior Researcher CNRS, Gipsa-Lab, Grenoble France
- ▶ *Improving the Business Case to Expand the Condition Monitoring Market*
Eric Bechhoefer, CEO, Green Power Monitoring Systems, Inc., Vermont, USA
- ▶ *Dynamics of Space- and Time-Modulated Metastructures*
Massimo Ruzzene, D. Guggenheim School of Aerospace Engineering, Georgia Institute of Technology, USA

The conference will host **tutorials** offered by renowned scholars

- ▶ **Etienne Balmès**, SDTools, France
- ▶ **Thibaut Detroux**, NOLISYS, Belgium
- ▶ **Bob Randall**, UNSW, Australia

In the same way as in the previous editions of Surveillance and VISHNO

- ▶ a **contest** will be organized, sponsored by **National Instruments**
- ▶ and **prizes** will be delivered to **best papers**

Special sessions will be organized on

- ▶ Uncertainties, stochastic, robustness
- ▶ Meta structures, Smart structures & SHM
- ▶ Fault diagnosis and prognosis for rolling bearings
- ▶ Jointed Structures
- ▶ Vibration fatigue
- ▶ Angular approaches
- ▶ Electrical drives
- ▶ Diagnostics and Dynamic models

Important deadlines

- ▶ Electronic submission of 1-page abstract: **January 31, 2019**
- ▶ Notification of acceptance: **March 15, 2019**
- ▶ Full-length paper electronic submission: **May 1, 2019**