



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

**Survishno** is a joint organization of the conferences **Surveillance**, **VISHNO** (Vibration Shocks and Noise) and **EVA** (Experimental Vibration Analysis), 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**

- ▶ **Nadine Martin**, Senior Researcher CNRS, Gipsa-Lab, Grenoble, France *Automatic expert condition monitoring: focus on a non-stationary index and the demodulation process*
- ▶ **Eric Bechhoefer**, CEO, Green Power Monitoring Systems, Inc., Vermont, USA *Improving the Business Case to Expand the Condition Monitoring Market*
- ▶ **Massimo Ruzzene**, D. Guggenheim School of Aerospace Engineering, Georgia Institute of Technology, USA *Dynamics of Time-Dependent and Spatially Modulated Metamaterials*
- ▶ **Jérôme Grando**, Plasticomnium, France *Smart dynamic systems for exterior body panels in automotive industry*

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**

- ▶ Full-length paper electronic submission: **May 31, 2019**
- ▶ Early registration: **May 31, 2019**



**SURVISHNO** is sponsored by IDEXLYON, Institut Carnot and INSA Lyon