



SURVISHNO CONTEST

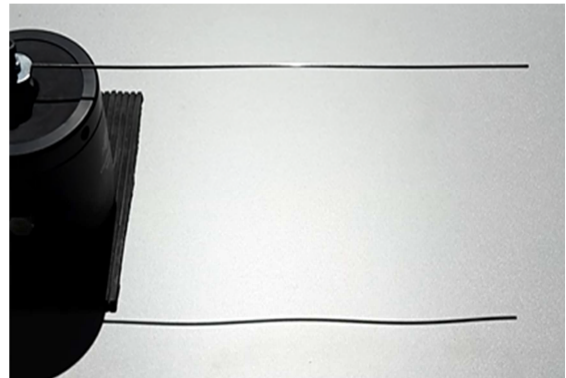
The contest comprises two exercises, which are both based on the analysis of a short video acquired by the same smartphone in similar conditions. Contestants are encouraged to analyze both videos, but answers to one only of the two problems will also be considered.

Hypnotic fan



A weird fan is run under non stationary speed. Contestants shall estimate the instantaneous speed as a function of the time from the video file (frequency sampling of requested data 30Hz)

Shake the snake



A cantilever beam is excited by a shaker with a swept sine. Contestants shall perform the modal analysis of the beam from the video file.

Best contributions will be rewarded with special prizes (see details on the Survishno website). Every contributor will be rewarded by a surprise gift and goodies. Authors of the best contributions will have the opportunity to present their work during a SURVISHNO special session on wednesday morning. Video files can be found on the Survishno website.

The format of the contributions is a short presentation of 3 slides maximum for each problem, and the time history of the instantaneous angular speed for the hypnotic fan (30 samples by second) in a txt format. Contributions must be sent by email to hugo.andre@univ-st-etienne.fr, the deadline to submit a contribution is on july 5th.

Contestants may be individual persons or teams of persons.

Competition is open to participants who registered to the conference.

Participation to the contest is conditioned to registration and attendance to the conference.

Winners will be chosen by a Jury composed of members of the Organizing Committee, on the basis of objective success criteria relying on hidden additional measurements. Data provided in the contest are publicly available. Subsequent use of the data is allowed only for scientific research. Any publication that will result from subsequent use of the data must reference the "SURVISHNO Contest, Conference Survishno, July 08-10, 2019, Lyon, France".