

**FSSIC2019 Symposium “Flow - Structure Sound Interactions and Control ”**

**26-30 August 2019, Minoa Palace Resort, Chania, Crete island, Greece**

**ROOM 3**

The oral presentations: 20 mn, including questions. The poster presentations: 5 min

**Monday 26 August 2019:**

17:00-18:50            *Early registration at Minoa Palace Resort*

19:00-21:00            *Cocktail and buffet at the beach in front of the Minoa resort*

**Wednesday 28 August 2019:**

**Session 12.IV      Flow Control and acoustics**

**9:00 - 9:40**            *Petros Koumoutsakos*, ETH, Zürich.

**Plenary Lecture in room 1**

**Title : Machine Learning for Flow Sensing and Control**

9:40-10:40: **Chairperson in room 3:** Georgios Stavroulakis

Recognition location method of sound source based on rotating microphones. Xie Zheng, Xunnian Wang, Jun Zhang, Kun Zhao, Zhengwu Chen, Yong Wang and Ben Huang

Optimization of microphone array beamforming based on multi-annular microphone arrays combination. Xunnian Wang, Xie Zheng, Kun Zhao, Zhengwu Chen and Ben Huang

The aeroacoustic effect of different inter-spaced self-oscillating passive trailing edge flaplets. E. Talboys , T. F. Geyer , F. Prufer and C. Brucker

10:40 - 11:10            *Coffee break*

**11:10 - 12:00**      *Prof. Robert Antonia* University of Newcastle, Australia

**Keynote Lecture in room 1**

**Title: "Is small scale turbulence really anomalous ?"**

12:00 - 13:00: **Chairperson in room 3:** Christoph Brücker

Reduction of flow-induced noise from a circular cylinder using splitter plates. Fan Duan and Jinjun Wang

Adjoint-Based Sensitivity Analysis of a Turbulence Model. A.K. Bagheri, A. Da Ronch

Investigation on sound sources of open cavity flow using Lagrangian coherent structures. Shuaibin Han, Yong Luo And Shuhai Zhang

13:00 - 14:10      *Lunch*

**14:10 - 14:50**      *Christophe Bailly*, Ecole Centrale de Lyon, France

**Plenary Lecture in room 1**

**Title : The acoustic and turbulent nature of wall pressure fluctuations**

14:50 - 15:50: **Chairperson in room 3:** Shunlin Tang

### **Session 12.V      Self-sustained oscillations - stability**

Direct numerical simulations of self-sustained oscillations in two-dimensional rectangular cavity. Yong Luo, Hu Li, Shuai Bin Han and Shu Hai Zhang

Complex mapping techniques for stability analysis. J. Sierra, D. Fabre and V. Citro

Visualization observation of two phase flow in abrasive supply tube for abrasive injection jet. Y. Oguma, T. Takase, H. Quan and G. Peng

16:10 – 16:40      *Coffee break*

19:30: *Departure by bus to "Nyxterida" (= "Bat" in english) restaurant - gala dinner*