



**A.I.V.E.L.A. and CEEES joint event
at A.I.V.E.L.A. XXXI Annual National Meeting**

Milan, 5-6 December 2023

WEDNESDAY, 6th DECEMBER

08.40 REGISTRATION

08.50 WELCOME

09.00 **TECHNICAL SESSION #5**

Chairman: Dr F. De Gregorio, C.I.R.A. - Italian Aerospace Research Centre

"Adaptation of DIC technique for simplified applications in experimental mechanics", N.P. Thatikonda, D. Baraldi, G. Boscato, J.

Baldelli, A. Cecchi, Iuav University of Venice

"DIC vibration measurement through Smartphone devices", S. Occhipinti, D. Botto, C.M. Firrone, P. Neri, University of Pisa

"Preliminary design and performance evaluation of optical fiber-based load sensor for aerospace systems", A. Aimasso, M. Bertone,

M. D. L. Dalla Vedova, P. Maggiore, Polytechnic University of Turin

10.00 **INVITED LECTURE**

"Microphone Array Measurements for Acoustic Source Mapping", Prof. Gianmarco Battista, University of Parma

10.35 COFFEE BREAK

10.50 **TECHNICAL SESSION #6**

Chairman: Prof. M.D.L. Dalla Vedova, Polytechnic University of Turin

"Flow Field and Acoustic Assessment of Twin Rotors in Hover Condition", F. De Gregorio, P. Candeloro, G. Ceglia, T. Pagliaroli, CIRA

"Experimental investigation of drone propeller through Particle Image Velocimetry (PIV) in different operative conditions", A.

Grava, L. Bernardos, J. Serpieri, G. Cafiero, Polytechnic University of Turin

11.30 **SESSION CEEES**

Chairman: Prof. G. D'Emilia, University of L'Aquila

"CEEES: a scientific and technical partner for applications in environmental engineering", Prof. G. D'Emilia, University of L'Aquila,

Italy, CEEES President

"Laboratory comparison test for shock and vibration testing"

Presenter: M. Haider, AIT Austrian Institute of Technology GmbH, Austria

Author: M. Staufer, TÜV AUSTRIA TVFA

"Nondestructive defect density measurement at atomic level – New opportunities using non-radioactive positron generators", J.-M. REY and P. Bregeault, POSITHOT, France

"Solar tests in the field vs lab test conditions, and the product lifetime is.....", M. van Doesburg, Eurofins | EAG Laboratories, The Netherlands

12.30 **INVITED LECTURE**

"Non contact measurement of turbomachine blade vibration in working conditions by blade tip timing technique", Prof. Gianluca Rossi, University of Perugia

13.00 **TECHNICAL SESSION #7**

Chairman: Prof. E.P. Tomasini, President of A.I.VE.LA.

"Application of the tomographic BOS technique to a H₂-air premixed flame", F. Iapaolo, F. Cozzi, M. Orlando, Politecnico di Milano

"Towards plasma-induced swirling jets", S. Buselli, P.J. Comunian, G. Cafiero, G. Iuso, J. Serpieri, Polytechnic University of Turin

13.40 **LUNCH**

14.40 Visit to the **WIND TUNNEL of the DEPARTMENT of MECHANICS of POLITECNICO di MILANO**

15.45 **END of MEETING**

Organised in collaboration with



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