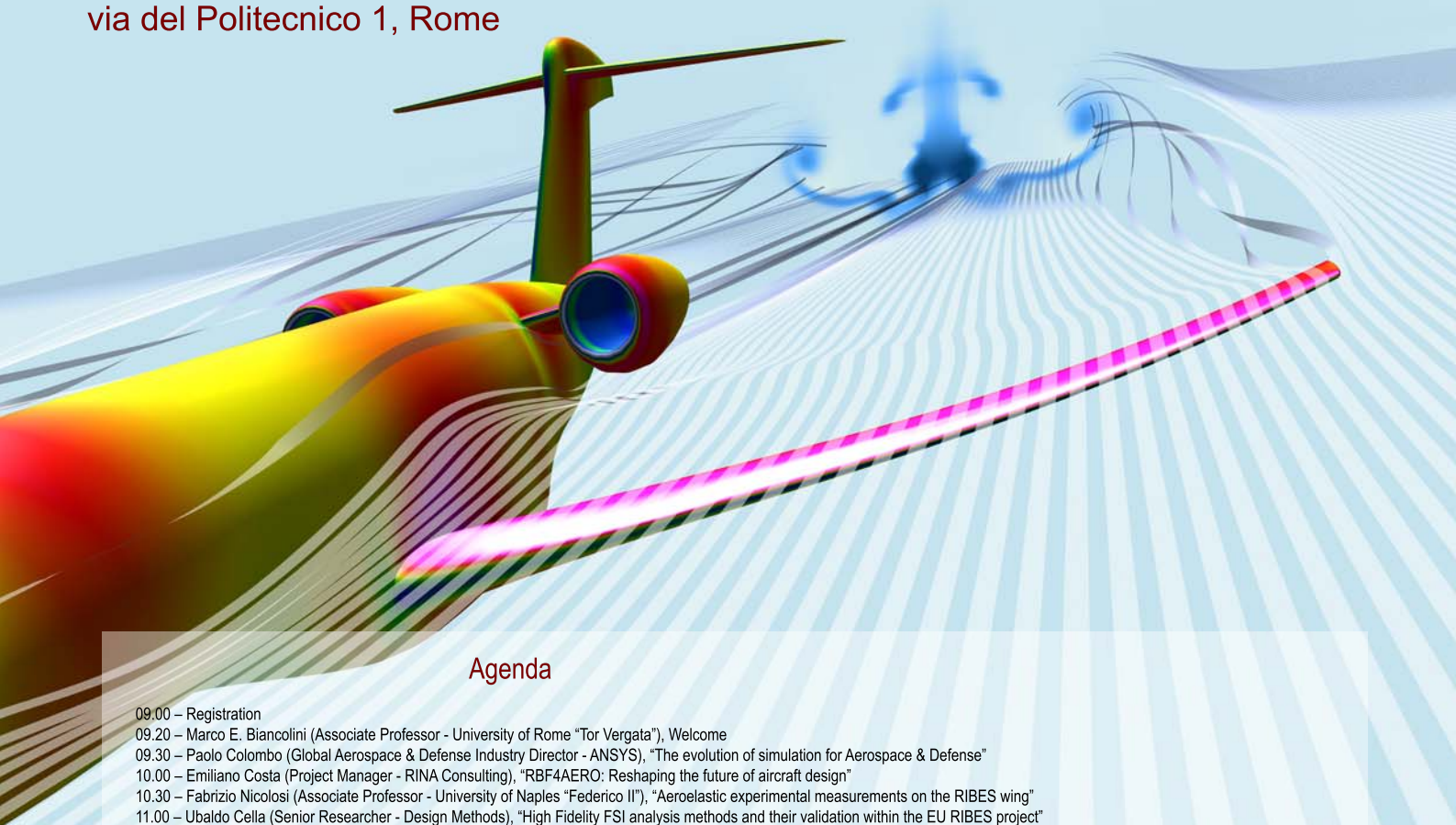


FLEXIBLE ENGINEERING TOWARD GREEN AIRCRAFT

CAE tools for sustainable mobility

December 14, 9.00 - 14.00

University of Rome "Tor Vergata", Aula Convegni Ingegneria
via del Politecnico 1, Rome



Agenda

- 09.00 – Registration
- 09.20 – Marco E. Biancolini (Associate Professor - University of Rome "Tor Vergata"), Welcome
- 09.30 – Paolo Colombo (Global Aerospace & Defense Industry Director - ANSYS), "The evolution of simulation for Aerospace & Defense"
- 10.00 – Emiliano Costa (Project Manager - RINA Consulting), "RBF4AERO: Reshaping the future of aircraft design"
- 10.30 – Fabrizio Nicolosi (Associate Professor - University of Naples "Federico II"), "Aeroelastic experimental measurements on the RIBES wing"
- 11.00 – Ubaldo Cella (Senior Researcher - Design Methods), "High Fidelity FSI analysis methods and their validation within the EU RIBES project"
- 11.30 – Coffee break
- 12.00 – Franco Mastroddi (Associate Professor - University of Rome "La Sapienza"), "Some issues and challenges on aeroelastic modelling and multi-disciplinary design of aero-space vehicles"
- 12.30 – Domenico Quagliarella (Head of the Multidisciplinary Analysis and Design Group - CIRA), "Robust Aerodynamic Design of a Supersonic Wing-Body for Natural Laminar Flow"
- 13.00 – Massimiliano Genta (Design Loads Engineer - Piaggio Aerospace), "Interaction between gusts and loads of highly flexible wings: the AeroGust EU project"
- 13.30 – Open session

The workshop focuses on aeroelastic analysis methodologies and numerical optimization to face design and fluid-structure interaction problems in the aerospace field reporting the recent progress within European research programs.

*The participation is free but a registration is required.
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In collaboration with

