

[03.2 – Structural Analysis and Design, Structural Dynamics, Aeroelasticity]

## 6.9 \_ Aeroelasticity 2

<b>Date</b>	29 September 2016 (Thursday)
<b>Time</b>	10:00–12:30
<b>Place</b>	Track 6 (#106)
<b>Session Chair: L. Tichy</b>	

<b>6.9.1</b>	<b>10:00–10:30</b>	<b>[2016_0467] ELASTO–STATIC AND MODAL MODELING OF FLEXIBLE WINGS CARRYING MULTIPLE EXTERNAL STORES</b> E.M. Amato <sup>1</sup> , C. Polsinelli <sup>1</sup> , E. Cestino <sup>1</sup> , G. Frulla <sup>1</sup> , R. Carrese <sup>2</sup> , P. Marzocca <sup>2</sup> ; <sup>1</sup> Politecnico di Torino, Italy ; <sup>2</sup> RMIT University, Australia
<b>6.9.2</b>	<b>10:30–11:00</b>	<b>[2016_0471] INVESTIGATION OF AN INFLUENCE OF TRANSONIC FLOW VISCOSITY ON STATIC AND DYNAMIC AEROELASTICITY OF AIRCRAFT</b> A. Chizhov <sup>1</sup> , S. Kuzmina <sup>1</sup> , F. Ishmuratov <sup>1</sup> , O. Karas <sup>1</sup> , M. Zichenkov <sup>1</sup> , A. Bezuevsky <sup>1</sup> ; <sup>1</sup> TsAGI, Russia
<b>6.9.3</b>	<b>11:00–11:30</b>	<b>[2016_0716] CHARACTERIZATION OF THE NONLINEAR AEROELASTIC BEHAVIOR OF AN AIRFOIL WITH FREEPLAY AND AERODYNAMIC NONLINEARITY</b> M. Candon <sup>1</sup> , R. Carrese <sup>1</sup> , H. Ogawa <sup>1</sup> , P. Marzocca <sup>1</sup> ; <sup>1</sup> RMIT University, Australia
<b>6.9.4</b>	<b>11:30–12:00</b>	<b>[2016_0206] SENSITIVITY ANALYSIS OF UNSTEADY AERODYNAMIC REDUCED–ORDER MODELS ROBUST TO FREESTREAM PARAMETER VARIATIONS</b> M. Winter <sup>1</sup> , C. Breitsamter <sup>1</sup> ; <sup>1</sup> Technische Universität München, Germany
<b>6.9.5</b>	<b>12:00–12:30</b>	<b>[2016_0254] NUMERICAL SIMULATION OF A TRANSONIC WIND TUNNEL TEST</b> Q. Y. Chen <sup>1</sup> , Z. Q. Dou <sup>1</sup> , J. J. Zhang <sup>1</sup> ; <sup>1</sup> COMAC, China