

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

## 6.3 \_ Structural Design 1 SHELLS

<b>Date</b>	27 September 2016 (Tuesday)
<b>Time</b>	10:00–12:00
<b>Place</b>	Track 6 (#106)
<b>Session Chair: J.Y. Cho</b>	

<b>6.3.1</b>	<b>10:00–10:30</b>	<b>[2016_0708] WEIGHT REDUCTION OF CYLINDRICAL GRID STRUCTURES USING AXIAL–HELICAL–DESIGN</b> M. Beerhorst <sup>1</sup> , C. Hühne <sup>1</sup> ; <sup>1</sup> DLR, Germany
<b>6.3.2</b>	<b>10:30–11:00</b>	<b>[2016_0673] CHAOS THEORY APPLIED TO BUCKLING ANALYSIS OF COMPOSITE CYLINDRICAL SHELL</b> M. Alfano, Politecnico di Milano, Italy; C. Bisagni, Delft University of Technology, Netherlands
<b>6.3.3</b>	<b>11:00–11:30</b>	<b>[2016_0620] DEVELOPMENT OF LIGHTWEIGHT AND RELIABLE JOINTS FOR AIRFRAMES BASED ON UNIDIRECTIONAL COMPOSITE ELEMENTS</b> A.N. Shanygin <sup>1</sup> , A.V. Chernov <sup>1</sup> , D.Y. Fomin <sup>1</sup> , V.I. Grishin, TsAGI, Russia; I.N. Kacharava <sup>1</sup> ; <sup>1</sup> Central Aerohydrodynamic Institute (TsAGI), Russia