

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

6.8 _ Structural Design 4

Date	28 September 2016 (Wednesday)
Time	16:00–18:00
Place	Track 6 (#106)
Session Chair: S. Kuzmins	

6.8.1	16:00–16:30	[2016_0551] NUMERICAL AND EXPERIMENTAL STRENGTH ANALYSIS OF LATTICE COMPOSITE FUSELAGE STRUCTURES A. Dzuba ¹ , A. Shanygin ¹ , I. Kondakov ¹ , A. Razin ² , V. Vassiliev ² ; ¹ Central Aerohydrodynamic Institute (TsAGI), Russia ; ² Central Research Institute for Special Machinery (CRISM), Russia
6.8.2	16:30–17:00	[2016_0201] EXPERIENCE OF USING NONLINEAR NUMERICAL ANALYSIS TO ESTIMATE AIRCRAFT PRIMARY STRUCTURE STRENGTH Y.I. Dudarkov ¹ , E.A. Levchenko ¹ , M.V. Limonin ¹ , A.S. Dzuba ¹ ; ¹ TsAGI, Russia
6.8.3	17:00–17:30	[2016_0337] APPLICATION OF BUCKLING/POST-BUCKLING ANALYSIS FOR COMPOSITE STIFFENED PANELS L.-J. Dong, Chinese Aeronautical Establishment, China; G. Song, Beijing University of Aeronautics and Astronautics, China; D.-G. Cui, Aircraft Design and Research Institute of Shenyang, China
6.8.4	17:30–18:00	[2016_0500] OPTIMIZATION OF COMPOSITE PATCH REPAIR FOR INCLINED CRACK ON ALUMINUM PLATE USING GENETIC ALGORITHM B. Talebi ¹ , A. Abedian ¹ , S. Firooz ¹ ; ¹ Aerospace Engineering, Sharif University of Technology, Iran