[03.1 – Materials issues, Fatigue and Damage Tolerance]

5.9 _ Fatigue and Corrosion

Date	29 September 2016 (Thursday)
Time	10:00–12:30
Place	Track 5 (#105)
	Session Chair: S. Nutt

5.9.1	**10:00–10:30**	[2016_0169] DETERMINATION OF FRACTURE MECHANICS PARAMETERS FOR FATIGUE CRACKS EMANATING FROM INITIAL AND COLD-EXPANDED HOLES V.S. Pisarev, Central Aero-Hydrodynamics Institute (TsAGI), Russia
5.9.2	**10:30–11:00**	[2016_0303] VERIFICATION OF CFRP COMPONENTS FATIGUE EVALUATION PROCEDURE UNDER IRREGULAR CYCLING LOADING A.V. Pankov[1], V.V. Konovalov[1]; [1]TsAGI, Russia
5.9.3	**11:00–11:30**	[2016_0639] PREDICTION OF WFD OCCURRENCE IN LONGITUDINAL JOINTS OF A FUSELAGE FOR COMMERCIAL AIRPLANE A.A. Sviridov[1], I.G. Khlebnikova[1]; [1]TsAGI, Russia
5.9.4	**11:30–12:00**	[2016_0308] LIFE PREDICTION MODEL OF AIRCRAFT STRUCTURE UNDER CORROSION ENVIRONMENT C. Li[1], Y. He[1], T. Zhang[1], X. Li[1], S. Zhang[1]; [1]Air Force Engineering University, China
5.9.5	**12:00–12:30**	[2016_0640] INSTANTANEOUS BASELINE MULTIPLE DAMAGE DETECTION AND LOCALIZATION IN AN ALUMINIUM PLATE USING LAMB WAVES B. Alem[1], A. Abedian[1], M. Nasiri[1]; [1]Sharif University of Technology, Iran