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Section 5 – Systems, Subsystems and Control in Aeronautics

(in alphabetical order of the first author)

No.	Author(s)	Title of paper	Section number	Company
1	Adrian MIHAI, Alexandru IONEL, Tiberiu SALAORU, Stefan PALAS, Radu BOGATEANU, Manuela CALCEA, Viorica ILINOIU	Software Generated Fuel Consumption Profile for a Light Attack and Jet Trainer Mission	5	INCAS – National Institute for Aerospace Research “Elie Carafoli”, B-dul Iuliu Maniu 220, Sector 6, Bucharest 061126, Romania
2	Irina-Carmen ANDREI, Alexandru IONEL, Stefan PALAS	Modelling of Selected Performance Criteria in Developing a VTVL Liquid Propulsion System	5	INCAS – National Institute for Aerospace Research “Elie Carafoli”, B-dul Iuliu Maniu 220, Sector 6, Bucharest 061126, Romania
3	Irina-Carmen ANDREI, Alexandru IONEL, Adrian MIHAI, Stefan PALAS, Tiberiu SALAORU	Numerical Modelling Application for Simulating Engine Test Cell Validation Methodology of a Turbofan Exhaust System	5	INCAS – National Institute for Aerospace Research “Elie Carafoli”, B-dul Iuliu Maniu 220, Sector 6, Bucharest 061126, Romania
4	Grigore CICAN ¹ , Ionut-Florian POPA ²	Optimizing Ion Propulsion Systems Depending on the Nature of the Propellant	5	¹ “POLITEHNICA” University of Bucharest, Faculty of Aerospace Engineering, Gh. Polizu Street 1-5, 011061, Bucharest, Romania ² National Research and Development Institute for Gas Turbines COMOTI, 220 D Iuliu Maniu, Bd., sector 6, cod 061126, OP76, CP174, Bucharest, Romania

5	Elfatih G. HAMDI*, Gamal M. Sayed EL-BAYOUMI, Ayman H. M. KASEM	On \mathcal{H}_∞ Control and its UAV Applications	5	Aeronautical Engineering Department, Engineering College, Cairo University, Giza State, Egypt
6	Laurentiu MORARU	A Brief Discussion Regarding Types of Cavitation in Squeeze Film Dampers and Cavitation's Effects	5	"POLITEHNICA" University of Bucharest, Faculty of Aerospace Engineering, Gh. Polizu Street 1-5, 011061, Bucharest, Romania
7	Laura Alina STIKA, Jeni Alina POPESCU, Sorin Gabriel TOMESCU, Valeriu-Alexandru VILAG	Performance Estimation on Micro Gas Turbine Plant Recuperator	5	Romanian Research and Development Institute for Gas Turbines COMOTI, web page: http://www.comoti.ro
8	Cristian VIDAN*, Silviu Ionut BADEA	Longitudinal automatic control system for a light weight aircraft	5	Military Technical Academy, Faculty of Mechatronics and Integrated Armament Systems, M2 Department of Aircraft Integrated Systems and Mechanics, 39-49 George Coşbuc Avenue, Sector 5, Bucharest 050141, Romania