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Section 2 – Flight Mechanics and Systems Integration

(in alphabetical order of the first author)

No.	Author(s)	Title of paper	Section number	Company
1	Yassir ABBAS ¹ , Mohammed MADBOULI ² , Gamal EL-BAYOUMI ²	Direct Spatial Motion Simulation of Aircraft Subjected to Engine Failure	2	¹ Aeronautical Engineering Department, Engineering College, Karary University, Khartoum, Sudan ² Aeronautical Engineering Department, Engineering College, Cairo University, Giza State, Egypt
2	Radu BLIDERAN, Alexandru IONEL, Mihaela NASTASE	Efficiency Analysis of Earth-Mars Interplanetary Travel Using a Solar Sail Propulsion Device	2	INCAS – National Institute for Aerospace Research “Elie Carafoli”, B-dul Iuliu Maniu 220, Sector 6, Bucharest 061126, Romania
3	Bogdan DOBRESCU, Radu BLIDERAN, Adrian CHELARU	Decelerator systems for the atmospheric reentry of launcher upper stages	2	INCAS – National Institute for Aerospace Research “Elie Carafoli”, B-dul Iuliu Maniu 220, Sector 6, Bucharest 061126, Romania
4	Alexandru IONEL, Stefan PALAS, Irina-Carmen ANDREI	Performance Analysis of the IAR 99 SOIM and IAR 99 TD Propulsion Systems	2	INCAS – National Institute for Aerospace Research “Elie Carafoli”, B-dul Iuliu Maniu 220, Sector 6, Bucharest 061126, Romania
5	Achim IONITA ¹ , Andreea-Irina AFLOARE ²	Analysis of Dynamic Stability on Ground Roll for a Jet Transport Under Crosswind and Slippery Conditions	2	¹ AEROSPACE Consulting, B-dul Iuliu Maniu 220, Sector 6, Bucharest 061126, Romania ² INCAS – National Institute for Aerospace Research “Elie Carafoli”, B-dul Iuliu Maniu 220, Sector 6, Bucharest 061126, Romania
6	Florin MINGIREANU ¹ , Marius STOIA-DJESKA ²	A Local Sensitivity Analysis of Some Performances of Reactive Projectiles, Rockets and Missiles	2	¹ Romanian Space Agency, Mendeleev Street, nr. 21-25, Bucharest, 010362/ Romania ² “POLITEHNICA” University of Bucharest, Faculty of Aerospace Engineering, Polizu Street 1-7, postal code 011061, sector 1, Bucharest

7	Mihaela NASTASE, Radu BLIDERAN, Alexandru IONEL	Numerical Simulation on the Efficiency of Propulsion Systems as Leo Deorbiting Devices	2	INCAS – National Institute for Aerospace Research “Elie Carafoli”, B-dul Iuliu Maniu 220, Sector 6, Bucharest 061126, Romania
8	Ana-Maria NECULAESCU ¹ , Ion STROE ²	A Preliminary Tool for Trajectory Optimization for a Small Launcher	2	¹ INCAS – National Institute for Aerospace Research “Elie Carafoli”, B-dul Iuliu Maniu 220, Sector 6, Bucharest 061126, Romania ² “POLITEHNICA” University of Bucharest, 313 Splaiul Independenței, Bucharest 060042, Romania
9	Dumitru PEPELEA, Marius Gabriel COJOCARU, Mihai Victor PRICOP, Mihai Leonida NICULESCU	Dynamic Stability of Earth Re-Entry Capsule	2	INCAS – National Institute for Aerospace Research “Elie Carafoli”, B-dul Iuliu Maniu 220, Sector 6, Bucharest 061126, Romania