



Ministry of Research and Innovation



INCAS – National Institute for Aerospace Research “Elie Carafoli”
(Under the aegis of The Romanian Academy)

**International Conference of Aerospace Sciences,
“AEROSPATIAL 2018”
25 – 26 October 2018, Bucharest, Romania**

The conference is held under the aegis of the Ministry of Research and Innovation.

CONFERENCE DETAILED PROGRAM - “Nicolae TIPEI” Amphitheatre

Time	ID	Title	Authors and affiliation
Day 2: Friday, October 26th, 2018			
Session 1 (Section works). Materials and Structures			
Session Chairs: Victor MANOLIU (<i>Aerospace Consulting, Bucharest, Romania</i>), Radu-Robert PITICESCU (<i>National Research and Development Institute for Non-ferrous and Rare Metals – IMNR, INCDMNR-IMNR, Bucharest, Romania</i>)			
14:00 - 14:15	S4.12	<i>New proofs concerning the selective diffusion of Cr and of spinellic solid state reactions to the adhesion of a refractory enamel to a Ni-Cr supper alloys</i>	Catalin Eugen SFAT (<i>Metallic Material Science and Physical Metallurgy Department, University POLITEHNICA of Bucharest, Bucharest, Romania</i>), Ion PENCEA (<i>Metallic Material Science and Physical Metallurgy Department, University POLITEHNICA of Bucharest, Bucharest, Romania</i>), Victor MANOLIU (<i>Aerospace Consulting, Bucharest, Romania</i>), Gheorghe IONESCU (<i>Aerospace Consulting, Bucharest, Romania</i>), Mihai BRANZEI (<i>Metallic Material Science and Physical Metallurgy Department, University POLITEHNICA of Bucharest, Bucharest, Romania</i>), Ramona Nicoleta TURCU (<i>Metallic Material Science and Physical Metallurgy Department, University POLITEHNICA of Bucharest, Bucharest, Romania</i>), Mihaită IOAN (<i>S.C.MOELLER TECH S.R.L., Regiei Blvd., nr. 6B, sector 6, Bucharest, Romania</i>), Alecs Andrei MATEI (<i>S.C. AEROSTAR S.A. Bacau, Condorilor street, nr.9, Romania</i>), Alina POPESCU-ARGES (<i>Metallic Material Science and Physical Metallurgy Department, University POLITEHNICA of Bucharest, Bucharest, Romania</i>), Mihai Ovidiu COJOCARU (<i>Metallic Material Science and Physical Metallurgy Department, University POLITEHNICA of Bucharest, Bucharest, Romania</i>), Mihai TÂRCOLEA (<i>Metallic Material Science and Physical Metallurgy Department, University POLITEHNICA of Bucharest, Bucharest, Romania</i>)

14:15 - 14:30	S4.13	<i>Evaluation of Aerospace Materials in Relation to the Thermal Gradient</i>	Victor MANOLIU (Aerospace Consulting, Bucharest, Romania), Gheorghe IONESCU (Aerospace Consulting, Bucharest, Romania), Mihail BOTAN (INCAS – National Institute for Aerospace Research “Elie Carafoli”, Bucharest, Romania), Radu-Robert PITICESCU (National Research and Development Institute for Non-ferrous and Rare Metals – IMNR, INCDMNR-IMNR, Bucharest, Romania), George Catalin CRISTEA (INCAS – National Institute for Aerospace Research “Elie Carafoli”, Bucharest, Romania)
14:30 - 14:45	S4.14	<i>Vitreous enamel used as high temperature protective coatings for hot parts from the turbo engine</i>	Alina DRAGOMIRESCU (INCAS – National Institute for Aerospace Research “Elie Carafoli”, Bucharest, Romania), Mihail BOȚAN (INCAS – National Institute for Aerospace Research “Elie Carafoli”, Bucharest, Romania), Victor MANOLIU (Aerospace Consulting, Bucharest, Romania), Gheorghe IONESCU (Aerospace Consulting, Bucharest, Romania), George Catalin CRISTEA (INCAS – National Institute for Aerospace Research “Elie Carafoli”, Bucharest, Romania), Adriana ȘTEFAN (INCAS – National Institute for Aerospace Research “Elie Carafoli”, Bucharest, Romania)
14:45 - 15:00	S4.15	<i>Modern Advanced Thermal Protection Systems for hot components of re-entry vehicles, rocket trust chambers and jet engines</i>	Mihail BOTAN (INCAS – National Institute for Aerospace Research “Elie Carafoli”, Bucharest, Romania), Victor MANOLIU (Aerospace Consulting, Bucharest, Romania), Radu-Robert PITICESCU (National Research and Development Institute for Non-ferrous and Rare Metals – IMNR, INCDMNR-IMNR, Bucharest, Romania), Bogdan Stefan VASILE (University Politehnica from Bucharest - National Research Center for Micro and Nanomaterials - UPB-CNMN), Gheorghe IONESCU (Aerospace Consulting, Bucharest, Romania), Alina DRAGOMIRESCU (INCAS – National Institute for Aerospace Research “Elie Carafoli”, Bucharest, Romania), George Catalin CRISTEA (INCAS – National Institute for Aerospace Research “Elie Carafoli”, Bucharest, Romania)
Session 2 (Section works). Round table - Romanian Cluster for Earth Observation (RO-CEO) Session Chairs: Simona ANDREI (National Institute of Research and Development for Optoelectronics-INOE 2000), Anca Liana COSTEA (S.C. TERRASIGNA SRL)			
15:00 - 16:30	RT.1	<i>EARTH OBSERVATION: How can we capitalize the resources of a research niche in everyday life? (identifying the best methods for improving the knowledge transfer from research to users)</i>	Doina NICOLAE , Simona ANDREI (National Institute of Research and Development for Optoelectronics-INOE 2000, Magurele, Ilfov, Romania), Anca Liana COSTEA (S.C. TERRASIGNA SRL, Bucharest, Romania), Mircea RADULIAN (National Institute of Research and Development for Earth Physics, Magurele, Ilfov, Romania), Razvan MATEESCU (National Institute for Marine Research and Development “Grigore Antipa”, Constanta, Romania), Vladimir GANCZ (National Institute for Research and Development in Forestry “Marin Drăcea”, Voluntari, Romania), Mugurel BALAN (Institute of Space Science, Magurele, Ilfov County, Romania), Daniela FAUR (University Politehnica of Bucharest - Research Centre for Spatial Information, Romania), Ovidiu Ion TRĂȘCU (S.C. WORLD PROFESSIONAL TECHNOLOGIES SRL, Bucharest, Romania)
16:30	Closing Ceremony		