

FOREWORD

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It is a pleasure and an honor for the INCAS BULLETIN team to publish a high number of papers that were recently selected following their excellent quality and presentation at the *6th Aerospace Europe Council of European Aerospace Societies (CEAS) 2017 Conference*.

The CEAS has main contributions to the EU ECAero-2 project together with the other well-known European societies ECCOMAS, ERCOFTAC, EUCASS, EUROMECH and EUROTURBO, with whom they have established the Aerospace Europe platform (<http://aerospace-europe.eu>). This platform ensures the development of Aeronautics and Astronautics technologies.

This international conference took place during 16th – 20th of October 2017 at the prestigious Palace of the Parliament – Bucharest in Romania under the aegis of Ministry of Research and Innovation in Romania. The Organizing Committee was composed by teams from the *COMOTI – Romanian Research & Development Institute for Gas Turbines and The Aeronautics and Astronautics Association of Romania (AAAR)* on behalf of the CEAS.

INCAS – National Institute for Aerospace Research “Elie Carafoli”, Bucharest, Romania was represented at “*CEAS 2017*” by General Manager, Dr. Eng. Catalin NAE, member of the Executive Board of the conference. INCAS was also part of the Organizing Committee and the Scientific Committee, contribute to the success of this international scientific event.

The Conference Program contained 61 technical sessions including workshops and plenary sessions.

Among all papers presented and published in the Aerospace Europe CEAS 2017 Conference Proceedings, the best papers were selected to be published in scientific aerospace journals.

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Therefore, a number of 9 papers were selected to be published in this *Special Edition* (Part II) of the *INCAS BULLETIN, Volume 10, Issue 2/2018*. These papers are covering different sub-disciplines in Aerospace Engineering, and they were written by authors working in different aerospace related institutions. We are proud to mention the participation of international teams from the Politecnico di Milano – Dept. of Aerospace Science and Technology in *Italy*, Università degli Studi di Napoli “Federico II” – Dept. of Industrial Engineering in *Italy*, Politecnico di Torino – Dept. of Mechanical and Aerospace Engineering in *Italy*, Universidad de Sevilla – Dept. of Electronics Engineering in *Spain*, DEIMOS SPACE S.L.U., Tres Cantos in *Spain*, Czech Technical University in Prague – Dept. of Air Transport in *Czech Republic*, TU Delft - Faculty of Aerospace Engineering in *Netherlands*, ESA-ESTEC, Noordwijk in *Netherlands*, ISAE-ENSMA - Institut Pprime - Dept “Fluides, Thermique, Combustion” in *France*, EASN TIS in Patras *Greece*, ASIIN e.V., in Dusseldorf, *Germany*, Bauhaus Luftfahrt e.V. in *Germany*, von Karman Institute for Fluid Dynamics – Aeronautics and Aerospace Dept. in *Belgium*, Aerospace Valley in Toulouse, *France*, Department of Aerospace Engineering, Indian Institute of Technology in Bombay, *India*, School of Science & Engineering, Teesside University, Middlesbrough, *UK*, Beijing Institute of Technology in *China*, Systems Engineering Group Inc. (SEG), MD, USA, and the Romanian Research & Development Institute for Gas Turbines COMOTI, as well as Teletrans, and S.C. Structural Management Solutions S.R.L. in *Romania*.

The INCAS BULLETIN is published since 10 years. The publication of these interesting papers selected at important international conferences in this Special Edition of the INCAS BULLETIN has the aim to attract a higher number of such publications in the next editions of the INCAS BULLETIN.

These publications will thus contribute to obtain a high number of collaborations between their authors in the future in the aerospace field. The INCAS BULLETIN team will thus attain its main objectives to internationally contribute to the aerospace sciences and applied research advancement.

We would also like to thank to all authors of this Edition of INCAS BULLETIN as well as to Mrs Elena NEBANCEA (Director Program - INCAS BULLETIN) who is giving her continuous support to this journal.