International Conference on Intelligent Controller and Computing for Smart Power, 2022
July 21st -23rd, 2022 !! Hyderabad, India
Sreenidhi Institute of Science and Technology, Hyderabad, India

ICICCSP 2022 Special Sessions
on
"Advancement in Aircraft & Spacecraft Power Systems and Electric Propulsion"

1. Aims & Scope of the Session:

   The scope of this session is focused on the fields of aeronautical and mechanical engineering and technology, disclosing theoretical, fundamental, and applied results linked to potential applications related to aircraft and spacecraft power systems and electric propulsion. Researchers are encouraged to submit the papers in the below areas

2. List of topics (but not limited to) to:

   - Aircraft and Spacecraft Power systems
   - Electric propulsion of satellite and spacecraft
   - Power generation and Conversion
   - Energy Analysis and Optimization
   - Energy Resources, Storage and Efficiency
   - Photovoltaics
   - Electromagnetism
   - Power electronics and Magnetics
   - Superconductors in space
   - High power, High Voltage systems
   - Energy balance and power management

Special Session Organizers

Sathish.D
Assistant Professor, Aeronautical Engineering,
Silver Oak College of Engineering and Technology,
Silver Oak University, Ahmedabad.
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Short Biography

He is presently working as an Assistant Professor in the Department of Aeronautical Engineering at Silver Oak University, Ahmedabad. He is the former Senior Research Fellow in the Department of Aerospace Engineering at the Indian Institute of Technology, Kharagpur. His research interests include aircraft and aerospace propulsion, combustion, fluid dynamics, heat transfer, fluid/thermal analysis, and computational modelling and simulation. He has been working on Aircraft engines for the last 10 years. He has published and presented several research papers in various journals and conferences. He had organised various programmes, among which the one-week Faculty Development Programme on "Advance Technologies in Gas Turbine Engine" jointly sponsored by Gujarat Technological University (GTU) and the All India Council for Technical Education (AICTE), was notable. He was supported by Gujarat Technological University under the SSIP scheme for filing six patents. He made 17 UG students file the patents.

Dr. Syed Alay Hashim
Associate Professor,
Alliance University, Bengaluru
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Short Biography

Dr. S. A. Hashim earned his Ph.D. from the Department of Aerospace Engineering at IIT Kharagpur. His expertise lies in the area of aerospace, with a specialization in aircraft and rocket propulsion. During his Ph.D. at IIT Kharagpur, he established systems for processing and testing of hybrid fuel and propellants. He has over a decade of experience in both teaching and research. His research includes ducted rocket propulsion, micro gas turbines, ramjets, pulsejet engines, and small satellites (pisat), etc. Dr. Hashim has published research articles in combustion and propulsion journals such as Combustion and Flame, Propellants, Explosives, Pyrotechnics, Acta Astronautica, Combustion Science and Technology, Journal of Spacecraft and Rockets/AIAA, and so on. His research has direct relevance to the development of boron-based high-energy and high-density hybrid fuels and propellants for air-breathing propulsion systems in missile applications. Presently, he is working as an Associate Professor in the Department of Aerospace Engineering at Alliance University, Bengaluru.