



**Final Program**

# **AerospaceForum2022**

**2<sup>nd</sup> International Forum on Aerospace and Aeronautics  
November 17-18, 2022**



**Virtual**

[aerospaceforum2022@continuumforums.com](mailto:aerospaceforum2022@continuumforums.com)  
<https://www.continuumforums.com/aerospace-aeronautics-world-forum/>

**Day 1, November 17, 2022**

**Virtual Presentations**

**London Time Zone (GMT)**

<b>09:00-10:00</b>	<b>P</b>	<b>Title: Liutex and Third Generation of Vortex Definition and Identification - Mathematical Foundation and Methods</b> <b>Chaoqun Liu, University of Texas at Arlington, USA</b>
<b>10:00-10:30</b>	<b>K</b>	<b>Title: Studies on Pyroshock Prediction and Isolation in Aerospace Engineering</b> <b>Zhaoye Qin, Tsinghua University, China</b>
<b>10:30-10:55</b>	<b>I</b>	<b>Title: Adaptive Dynamic Programming-based Tracking Control for a Quad Rotor Unmanned Aerial Vehicle Under Uncertainties</b> <b>Bo Li, Shanghai Maritime University, China</b>
<b>10:55-11:20</b>	<b>I</b>	<b>Title: Gold nanoparticles impact on Poiseuille flow of nanofluid passing through a porous medium in the presence of thermal radiation, thermal diffusion and chemical reaction</b> <b>Sidra Aman, University of Malaysia Pahang, Malaysia</b>
<b>11:20-11:45</b>	<b>I</b>	<b>Title: Flow Control with Coaxial Synthetic Jets</b> <b>Venugopal Arumuru, Indian Institute of Technology, India</b>
<b>11:45-12:15</b>	<b>K</b>	<b>Title: Astronomy as the Leader of Inter- and Multi- Disciplinary Sciences</b> <b>Areg Mickaelian, NAS RA V. Ambartsumian Byurakan Astrophysical Observatory (BAO), Armenia</b>
<b>12:15-12:40</b>	<b>I</b>	<b>Title: Hybrid Electric Power Systems for Urban Air Mobility</b> <b>Teresa Donateo, University of Salento, Italy</b>
<b>12:40-13:05</b>	<b>I</b>	<b>Title: Risk Assessment of Using AI-Based</b> <b>Javier Perez, Polytechnic University of Madrid, Spain</b>
<b>13:05-13:30</b>	<b>I</b>	<b>Title: Optimum Fuselage Width to Achieve Maximum Lifting Properties of Wing-Body Combination</b> <b>Frolov Vladimir Alekseevich, Samara National Research University, Russia</b>
<b>13:30-13:55</b>	<b>I</b>	<b>Title: Transforming the Future of Global Aviation Training with Augmented Reality and Spatial Computing</b> <b>Lori J Brown, Western Michigan University, USA</b>

**Slots are Available**

**Day 2, November 18, 2022**

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**Virtual Presentations**

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**London Time Zone (GMT)**

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<b>09:00-09:30</b>	<b>I</b>	<b>Title: Bulk nano-grained Ti-6Al-4V alloy with high strength and superior wear resistance: fabrication and characterizations</b>
		<b>Lihong Su, University of Wollongong, Australia</b>
<b>09:30-09:55</b>	<b>I</b>	<b>Title: A Large Recoverable Strain and Good Cyclic Stability of Laser Powder Bed Fused NiTi superelastic Parts aiming to Impact Resistant Applications in the Aerospace Field</b>
		<b>Chenglong Ma, Jiangnan University, China</b>
<b>09:55-10:20</b>	<b>I</b>	<b>Title: Multi-scale Interface Mechanical Properties Between Ceramic Coatings and Metallic Substrates</b>
		<b>Lihong Liang, Beijing University, China</b>
<b>10:20-10:45</b>	<b>I</b>	<b>Title: Development and Applications of Sawtooth Dielectric</b>
		<b>Eric Longjun Wang, Ningbo Institute of Technology, Beihang University, China</b>
<b>10:45-11:10</b>	<b>I</b>	<b>Title: A Multi-objective Optimization of Transonic Low-Reynolds Number Airfoil Based on Improved Genetic Algorithm</b>
		<b>Zhaolin Chen, Nanjing University of Aeronautics and Astronautics, China</b>
<b>11:10-11:40</b>	<b>K</b>	<b>Title: Temperature Uniformity Analysis in Annular Passages with Swirl Flow</b>
		<b>Ehan Sabah Shukri Askari, Middle Technical University, Iraq</b>
<b>11:40-12:05</b>	<b>I</b>	<b>Title: Thermo Mechanical Treatments and Reactions for Reversible Behavior of Shape Memory Alloys</b>
		<b>Osman Adiguzel, Firat University, Turkey</b>
<b>12:05-12:30</b>	<b>I</b>	<b>Title: Aerodynamic Optimization of the Nacelle Position on Wing-Body-Nacelle-Pylon Configuration using discrete adjoint method</b>
		<b>Yisheng Gao, Nanjing University of Aeronautics and Astronautics, China</b>
<b>12:30-12:55</b>	<b>I</b>	<b>Title: Education for Aerospace Industry at the Military University of Technology, Warsaw, Poland</b>
		<b>Wojtowicz Konrad, Military University of Technology, Poland</b>

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12:55-13:25	K	<b>Title: The Gas Turbines and Turbomachines R&amp;D at ITA</b> Jesuino Takachi Tomita, Aeronautics Institute of Technology, Brazil
13:25-13:55	K	<b>Title: Modeling of high efficiency multistage plasma thrusters</b> Lars Lewerentz, University of Greifswald, Germany
13:55-14:20	K	<b>Title: Cyberpsychology and Its Relationship to the Future of Aerospace</b> Ian Mc Andrew, Embry Riddle Aeronautical University, USA

Slots are Available

## NEXT EVENT

# Aero Forum2023

3<sup>rd</sup> International Forum on Aerospace and Aeronautics

December 11-13, 2023 | San Diego, USA

Email: [aeroforum2023@continuumforums.com](mailto:aeroforum2023@continuumforums.com)  
 Website link: <https://www.continuumforums.com/2023/aeroforum>

