

19th ISRAELI SYMPOSIUM ON JET ENGINES & GAS TURBINES

November 15-17, 2022, Technion, Haifa

AIJES 2022 - CALL FOR ABSTRACTS



<https://aijes.net.technion.ac.il/short-abstract-submission/>

The 19th Annual Israeli Symposium on Jet Engines and Gas Turbines (AIJES) will be hosted in Haifa, Israel on November 15th and 17th, 2022, co-organized by the Department of Aerospace Engineering of Technion-IIT and supported by Propulsion Branch IMOD (Mafat), Israeli Air Force, Rafael Advanced Defense Systems Ltd, Bet Shemesh Engines Ltd and more.

Identifying operational fundamentals of the complex jet engine and gas turbine configurations is an ongoing research and development area, where the major challenges are associated with the strong coupling among a variety of disciplines such as: aerodynamics, heat transfer, aero-elasticity, structures, vibrations and rotor-dynamics, materials, and manufacturing. Along these lines, the ongoing scientific and technological innovations necessitate recurrent professional activities towards exchange of information and cross-pollination, creating a fertile seedbed for cooperation.

First held in 2001, AIJES is traditionally an annually recurring international event with almost 20 years of history. And, after a short two-year break due to COVID-19 limitations, we are back! Historically attracting a large audience of around ~200 scientists and engineers from all over the world, the 2022 symposium will provide a rich ground for updating knowledge base, presenting achievements, networking and exploring the latest innovations in the field. The activities are planned to be distributed over a two-day period.

The first day is devoted to a highly focused turbomachinery workshop, which serves as a platform for world's leading experts to share the current state of the art in a relevant technical discipline with the interested professionals. The second day is geared towards a broader audience base, with invited lectures from commercial engine manufacturers (General Electric, Honeywell, Pratt Whitney, Solar Turbines), the local industry and various governmental entities, as well as leading members of academia. In the previous years, we had the privilege to host prestigious guest lecturers from Purdue University, Virginia Tech, Massachusetts Institute of Technology, University of Stuttgart, the von Karman Institute for Fluid Dynamics, and others. Typically, the combined parallel sessions are totaling to more than 25 lectures. Each year, the best contributions are considered for publication in the archives of the International Journal of Turbo & Jet-Engines.

Submit your abstract today via our website! Registration is free of charge!

- Short Abstract Submission Deadline: August 31st
- Topics of interest: Aerodynamics, Aero-acoustics, Heat transfer, Aero-elasticity, Structures, Health Monitoring, Vibrations, Rotor-dynamics, Numerical methods, Computational Fluid Dynamics, Cycle innovations, Multi-disciplinary optimization, Materials, Manufacturing, Maintenance, Measurement Techniques, Controls, and more.

Assoc. Prof. Beni Cukurel
Conference Chairman