



The 64th Israel Annual Conference on Aerospace Science

Thursday 20 March, 2025

PROGRAM

Event	Time/Venue
<ul style="list-style-type: none">• Opening• Plenary Lectures• Lunch• Exhibition stands of IACAS sponsors	9:00-13:30 Churchill Hall, the Technion
<ul style="list-style-type: none">• Regular Sessions	13:30-18:00 Faculty of Aerospace Engineering, Technion

sponsors and supporters





IACAS-2025 Program - Table of Content

Thursday 20.3.2025		Technion, Haifa
Time/Code	Session	Hall
8:45-12:00		
9:00-9:10	Welcoming Address: Prof. Uri Sivan, Technion President	Churchill Hall
9:10-9:15	Conference Opening: Dr. Yehudit Hocherman, Chair IACAS-2025	
9:15-10:05	David A. Vallado, Senior Research Astrodynamist, COMSPOC	
Coffee Break 10:05-10:30		
10:30-11:20	Professor Wei Shyy, Chair Professor at the Hong Kong University of Science and Technology (Guangzhou)	
11:20-12:10	TBD	
Lunch 12:10-13:30		
13:30-15:30		
ThL1T1	Guidance, Navigation and Control	A
ThL1T2	Computational Fluid Dynamics	B
ThL1T3	Flow Stability and Control I	C
ThL1T4	Astrodynamics and Space Systems I	D
ThL1T5	Aerodynamics & Aeroacoustics	E
ThL1T6	Aeroelasticity & Fluid-Structure Interaction	F
ThL1T7	Propulsion and Combustion	G
ThL1T8	Aerospace Design	
Coffee Break 15:30-16:00		
16:00-18:00		
ThL2T1	Propulsion, Combustion and Energy Systems	A
ThL2T2	Flow Stability and Control II	B
ThL2T3	Aerospace Systems and MDO	C
ThL2T4	AI and Autonomy	D
ThL2T5	Aerodynamics, Hydrodynamics and Aeroacoustics	E
ThL2T6	Astrodynamics and Space Systems II	F
ThL2T7	Solid Mechanics and Aerospace Materials	G



[Click here for Session Halls Map at the Faculty of Aerospace Engineering](#)



Keynote Lectures

9:15-10:05

ThPI1

Lt Col (USAF Ret) David A. Vallado, Senior Research
Astrodynasticist, COMSPOC

Challenges to Accurate LEO Satellite Prediction

Chair: Dr. Vladimir Martinusi

Accurate propagation of Low Earth Orbiting satellites is increasingly important for conjunction analyses as the region becomes more densely populated. Standard perturbation force models are successfully used for Orbit Determination to produce accurate epoch states. But what happens as these states are predicted into the future? The uncertainty increases rapidly, somewhat independent of the accuracy of the initial state. I review the dominant perturbing forces and focus on gravity and atmospheric drag as sources of the increased uncertainty in prediction.

About David A. Vallado

Lt Col (USAF Ret) David A. Vallado is currently working as a Senior Research Astrodynasticist with COMSPOC in the Center for Space Standards and Innovation. He is the author of the advanced astrodynamics textbook, *Fundamentals of Astrodynamics and Applications* (5th edition, Microcosm, 2022). He is a Fellow in the American Astronautical Society (2006).

He attended the United States Air Force Academy and majored in Astronautical engineering, receiving his Bachelor of Science in 1980. Lt Col Vallado earned a Masters of Science in Systems Management from the University of Southern California in 1982. He then attended the Air Force Institute of Technology (AFIT), where he earned a Masters of Science in Astronautical Engineering in 1984.

His AF assignments include serving as a Project Officer for Stage I of the PEACEKEEPER missile, analysis for the Strategic Air Command Staff at the 544th Strategic Intelligence Wing, an instructor in the Department of Astronautics at the US Air Force Academy, several research scientist activities at AFRL, and analysis at US Space Command. After retiring from the Air Force, he was a principal engineer with Raytheon Intelligence and Information Systems in Denver CO and an Astrodynamics Researcher with Analytical Graphics Inc.

An avid mountain climber, he has hiked all 58 mountains in Colorado over 14000 feet, twice. Dave's other interests include jogging, biking, woodworking, house construction, classical piano, swimming, and square dancing.



Plenary Lectures

10:30-11:20

ThPI2

Professor Wei Shyy

Low altitude air mobility, low orbit satellites: opportunities, challenges and sustainability

Chair: Distinguished Professor Emeritus Daniel Weihs

In the present era of fast emergence and advancement of innovative ideas and new technologies, we are seeing unprecedented opportunities as well as challenges. In the civilian aerospace sector, low orbit satellites of altitude up to 2,000 km, equipped with advanced sensing and communication capabilities; and low altitude air mobility, including drones, un-crewed and crewed aerial vehicles, from ground to around 2 km, are two fast moving fronts. Individually and collaboratively, they present new frontiers in the global and regional contexts, including sustainability, commerce, emergency response and risk mitigation. In this lecture, examples will be presented along with technical issues to highlight implications and issues associated with these developments.

About Professor Wei Shyy

Professor Wei Shyy is a Chair Professor at the Hong Kong University of Science and Technology (Guangzhou). He was President of the Hong Kong University of Science and Technology and Chair Professor of Mechanical and Aerospace Engineering. Prior to joining HKUST in 2010, he was Clarence L. "Kelly" Johnson Collegiate Professor and Chairman of the Department of Aerospace Engineering of the University of Michigan.

He was the Principal Investigator of several multi-institutional research projects, funded by the US Government and industries, on future space transport, bio-inspired flight, and computational aero-science. He is General Editor of the Cambridge Aerospace Book Series published by the Cambridge University Press; and Co-Editor-in-Chief of Encyclopedia of Aerospace Engineering, a major reference work published by Wiley-Blackwell.

Professor Shyy is an elected member of Academia Sinica (Taipei), an agenda contributor of the World Economic Forum, and Fellow of the American Institute of Aeronautics and Astronautics (AIAA). He has received awards for his research and professional contributions, including the AIAA 2003 Pendray Aerospace Literature Award, the ASME 2005 Heat Transfer Memorial Award, and The Engineers' Council (Sherman Oaks, CA) 2009 Distinguished Educator Award. In 2021, the French Government made him an Officer of the Legion of Honor. In 2023, the International Conference on Computational & Experimental Engineering and Sciences (ICCES) honored him the Satya N. Atluri Award.



ThL1T1

Hall A

Guidance, Navigation and Control

Chair: Daniel Choukroun

Ben-Gurion University of the Negev

Co-Chair: Ilan Rusnak

Rafael

13:30-13:50

ThL1T1.1

Optimal pure-pursuit guidance law with uncertain time-of-flight

Ilan Rusnak

Rafael

13:50-14:10

ThL1T1.2

Symmetry-constrained formation maneuvering

Zamir Martinez

Technion

Daniel Zelazo

Technion

14:10-14:30

ThL1T1.3

Missile guidance with doppler information only in 3D

Ilan Rusnak

Rafael

Liat Peled-Eitan

Rafael

14:30-14:50

ThL1T1.4

Midcourse guidance for hypersonic glide vehicle interception

Michael Urman

Technion

Oded Golan

Technion

Vitaly Shaferman

Technion

14:50-15:10

ThL1T1.5

Error analysis of a dual quaternion batch estimator

Caitong Peng

Ben-Gurion University of the Negev

Daniel Choukroun

Ben-Gurion University of the Negev

15:10-15:30

ThL1T1.6

A New atmospheric disturbances estimation method for rotorcraft

Sergey Nazarov

Technion

Per-Olof Gutman

Technion



ThL1T2

Hall B

Computational Fluid Dynamics

Chair: Vassilis Theofilis

Technion

Co-Chair: Yuval Levy

Israeli CFD Center

13:30-13:50

ThL1T2.1

Effect of Turbulence Modeling on the Shock Buffet Phenomenon Prediction

Yuval Levy

Israeli CFD Center

Sahar Shpitz

Technion

Daniella Raveh

Technion

13:50-14:10

ThL1T2.2

Flow simulation of waveriders at off-design conditions

Angelos Klothakis

Technical University of Crete

Ioannis Nikolos

Technical University of Crete

Vassilis Theofilis

Technion

14:10-14:30

ThL1T2.3

Wall Function LES using Fluent GPU solver and Fluent Rapid Octree mesh

Dvir Mendler

Ansys

14:30-14:50

ThL1T2.4

Very large eddy simulations of the flow within a F-35's weapon bay with an internal store

Ron Efrati

Israeli Air Force

Hadar Ben-Gida

Israeli Air Force

14:50-15:10

ThL1T2.5

Terrain Ridgelines Detection Based on Streamlines

Baruch E. Karlin

15:10-15:30

ThL1T2.6

Ablation Computational Simulation using Ansys Fluent

Dvir Mendler

Ansys

Sunil Chadha

Ansys



ThL1T3

Hall C

Flow Stability and Control I

Chair: Michael Karp

Technion

Co-Chair: Alexandros Terzis

Technion

13:30-13:50

ThL1T3.1

Analytical flow solutions in rectangular microfluidic channels
based on the darcy-brinkman model

Mario Del Mastro

Technion

Alexandros Terzis

Technion

13:50-14:10

ThL1T3.2

Stability analysis of the non-isentropic one-dimensional flow
in a scramjet isolator

Shahaf Haiman

Technion

Michael Karp

Technion

14:10-14:30

ThL1T3.3

Linear stability of a weak viscous shock layer

Vassilis Theofilis

Technion

14:30-14:50

ThL1T3.4

Stability analysis of forced and unforced flow fields around cylinders in crossflow

Doron Schwartz

Technion

Michael Karp

Technion

14:50-15:10

ThL1T3.5

Particle clustering and turbulence modulation
in eulerian particle-laden flow simulations

AJAY DHANKARGHARE

Technion

Yuval Dagan

Technion

15:10-15:30

ThL1T3.6

Investigation of oil flow topology, pressure distribution,
and drag in separated flow over low-Reynolds-number airfoil

Roi Baruch

Technion

Igal Gluzman

Technion



ThL1T4

Hall D

Astrodynamics and Space Systems I

Chair: Vladimir Martinusi
Co-Chair: Alexander Batkhin

Technion
Technion

13:30-13:50

ThL1T4.1

Network of symmetric periodic families in the Hill 3-body problem

Alexander Batkhin

Technion

13:50-14:10

ThL1T4.2

Uncertainty propagation using Riemannian geometry

Vladimir Martinusi

Technion

14:10-14:30

ThL1T4.3

Constant-magnitude low-thrust orbital transfer with final-approach targeting

Michal Pushkov

Technion

SHRIBHARATH BALAKRISHNAN

Technion

Pini Gurfil

Technion

14:30-14:50

ThL1T4.4

Optimal control for a solar sail around L1'

Naama Gilat

Technion

Oded Golan

Technion

Vitaly Shaferman

Technion

14:50-15:10

ThL1T4.5

Technical requirements for optical sensors in autonomous space situational awareness

Yuval Hammer

Braude

Ido Ben Harosh

Braude

Ivan Goncharov

Braude

Ira Wolfson

Braude

Elad Denenberg

Braude Academic College of Engineering

15:10-15:30

ThL1T4.6

Satellite Signals-of-Opportunity-Based Navigation: From Simulation to Real-World Implementation

Alex Frid

Technion

Carlos Caravaca-Gallego

Technion

Pini Gurfil

Technion



ThL1T5

Hall E

Aerodynamics & Aeroacoustics

Chair: Oksana Stalnov
Co-Chair: Hadar Ben-Gida

Elbit Systems
Technion

13:30-13:50

ThL1T5.1

Water sheet breakup dynamics and spray characterization for confined leading-edge cooling

Alexandros Peteinaris
Alexandros Terzis

Technion
Technion

13:50-14:10

ThL1T5.2

Characterizing the aerodynamic degradation of a damaged UAV pusher propeller

Elad Bar On
Yosef Pikel
Hadar Ben-Gida

Technion
Israeli Air Force
Israeli Air Force

14:10-14:30

ThL1T5.3

Swept and tapered wing in dynamic motion

Sarah Sullivan
Evan Mahns
Miki Amitay

Rensselaer Polytechnic Institute
Rensselaer Polytechnic Institute
RPI

14:30-14:50

ThL1T5.4

Optimizing drones delivery path for low-noise flight

Barak Deutscher
Oksana Stalnov
Hadar Ben-Gida

Technion
Elbit Systems
Technion

14:50-15:10

ThL1T5.5

Experimental analysis of a vibro-acoustic response of an airborne structure to boundary layer excitation

Maayan Naschletashvili
Oksana Stalnov
Hadar Ben-Gida

Technion
Elbit Systems
Technion

15:10-15:30

ThL1T5.6

Sustainable flight and maneuverability of guided projectiles at transonic speeds via circulation control

Dor Polonsky
Gali Alon Tzezana
Alon Dahan

Rafael
Rafael
Rafael



ThL1T6

Hall F

Aeroelasticity & Fluid-Structure Interaction

Chair: Maxim Freydin

Technion

Co-Chair: Moti Karpel

Technion

13:30-13:50

ThL1T6.1

Static aeroelasticity and stability of very flexible swept wings

Bar Revivo

Technion

Daniella Raveh

Technion

13:50-14:10

ThL1T6.2

Aeroelasticity of plates in supersonic channel flow

Maxim Freydin

Technion

14:10-14:30

ThL1T6.3

Experimental investigation of the F-16 shock buffet with comparison to flight tests

Tzliil Nahom Jidovetski

Israeli Air Force

Michael Iovnovich

Israeli Air Force

Daniella Raveh

Technion

14:30-14:50

ThL1T6.4

Aeroelastic coupling of hard maneuvering aircraft

Dor Naftaly

Israeli Air Force

Daniella Raveh

Technion

14:50-15:10

ThL1T6.5

Numerical simulation of flutter flight tests using the parametric flutter margin method

Guy Gordon Biberstein

Technion

Moti Karpel

Technion

15:10-15:30

ThL1T6.6

Advancements in in-flight aeroelastic sensing: real-time prediction of deflection, load, and rigid angle of attack using machine learning from ground test data

Ido Hauzer

Technion

Daniella Raveh

Technion



ThL1T7

Hall G

Propulsion and Combustion

Chair: Dan Michaels

Technion

Co-Chair: Eran Sher

Technion

13:30-13:50

ThL1T7.1

Pressure effect on the burning rate of solid propellants with expandable graphite additives

Noa Edri

Technion

Alon Gany

Technion

13:50-14:10

ThL1T7.2

Investigating a gun-launched solid fuel ramjet projectile

Itamar Levitan

Technion

Alon Gany

Technion

14:10-14:30

ThL1T7.3

Enhancing water-breathing ramjet performance with boron additive

Sagi Dinisman

Technion

Alon Gany

Technion

14:30-14:50

ThL1T7.4

Experimental study of mode transition in a cavity-based dual-mode scramjet combustor

Alexander Dolnik

Technion

Dan Michaels

Technion

14:50-15:10

ThL1T7.5

Hydrogen propulsion: the fundamental equation for H₂ in its liquid, saturated, and gaseous states

Eran Sher

Technion

Shir Levi

Technion

15:10-15:30

ThL1T7.6

Computer Vision Approach for Analysis of Numerical and Experimental Detonation Cellular Structure Images

Daniel Jalontzki

Tel Aviv University

Alon Zussman

Tel Aviv University

Guni Sharon

Texas A&M University

Sumedh Pendurkar

Texas A&M University

Yoram Kozak

Tel Aviv University



ThL1T8

Hall H

Aerospace Design

Chair: Ilan Berlowitz

IBAero

Co-Chair: Ariel Dvorjetski

TBD

13:30-13:50

ThL1T8.1

Electro-hydrostatic actuation and steering system for nose landing gear

Ilan Berlowitz

IBAero

13:50-14:10

ThL1T8.2

Comparative analysis of aircraft freighter conversion strategies

Ilan Berlowitz

IBAero

14:10-14:30

ThL1T8.3

Development of regional aircraft composite leading edge for bird strike sustainability - a methodology review

Yahav Angel

Israel Aerospace Industries

Adam Sawday

IAI

Eduardo Eigenberg

Israel Aerospace Industries

14:30-14:50

ThL1T8.4

Helicopter engine's power estimation using regular flight data

Ariel Dvorjetski

Israeli Air Force

Liron Darhi

Israeli Air Force

Aperstein Yehudit

Afeka College of Engineering



ThL2T1

Hall A

Propulsion, Combustion and Energy Systems

Chair: Moshe Zilberman

Azrieli Academic College of Engineering

Co-Chair: David Yanuka

Technion

16:00-16:20

ThL2T1.1

Collision coalescence study of impinging spray jets

Ariel Sharon

Technion

Yeshayahou Levy

Technion

16:20-16:40

ThL2T1.2

Optimizing the performance of Savonius vertical axis wind turbines for use in urban high-rise buildings and rural locations

Moshe Zilberman

Azrieli Academic College of Engineering

16:40-17:00

ThL2T1.3

Simplified modeling of constrictor plasma at the Technion arc heated wind tunnel

David Yanuka

Technion

17:00-17:20

ThL2T1.4

Hydrogen Generation from Water and Aluminum with different additives

Elinor Kostjukovsky

Technion

Alon Gany

Technion



ThL2T2

Hall B

Flow Stability and Control II

Chair: Igal Gluzman

Technion

Co-Chair: Hadar Ben-Gida

Technion

16:00-16:20

ThL2T2.1

Lattice Boltzmann method simulations of the laminar flow in a two-dimensional double cavity configuration

Itamar Blumenfeld

Technion

Hadar Ben-Gida

Technion

16:20-16:40

ThL2T2.2

Wake measurements of heavy vehicle rear-end models with custom-designed passive flow control devices

Niv-Haim Mizrahi

Tel Aviv University

Elizaveta Dubrovskaya

Tel Aviv University

Ofek Katz

Tel Aviv University

Yarden Turgeman

Tel Aviv university

Alex Liberzon

Tel Aviv University

Oksana Stalnov

Elbit Systems

16:40-17:00

ThL2T2.3

Linear stability of complex compressible cavity flows

Vojtech Pezlar

Czech Technical University in Prague

Marlon Mathias

University of Sao Paulo

Vassilis Theofilis

Technion

Marcello Augusto Faraco Medeiros

University of Sao Paulo

17:00-17:20

ThL2T2.4

Instability and transition of the flow over a surface gap

Victor Barcelos Victorino

University of Sao Paulo

Felipe Oliveira Aguirre

University of Sao Paulo

Marcello Augusto Faraco Medeiros

University of Sao Paulo



17:20-17:40

ThL2T2.5

Mach effect on instability and transition of the flow over a surface gap

Felipe Oliveira Aguirre

University of Sao Paulo

Paulo Celso Vieira Paino

University of Sao Paulo

Hadar Ben-Gida

Technion

Marcello Augusto Faraco Medeiros

University of Sao Paulo

17:40-18:00

ThL2T2.6

**Stability analysis of shear flows and boundary layers
via novel stability criterion that utilizes the small gain theorem**

Ofek Frank-Shapir

Technion

Igal Gluzman

Technion



ThL2T3

Hall C

Aerospace Systems and MDO

Chair: Yuval Freed

Israel Aerospace Industries

Co-Chair: Anna Clarke

Technion

16:00-16:20

ThL2T3.1

Genetic algorithm-based approach to load distribution in full-scale structural test design

Boris Dorfman

Israel Aerospace Industries

Efrat Pinhas

Israel Aerospace Industries

Yuval Freed

Israel Aerospace Industries

16:20-16:40

ThL2T3.2

Machine learning-based surrogate models for predicting crack growth in aerospace-grade aluminum alloys

Yuval Freed

Israel Aerospace Industries

16:40-17:00

ThL2T3.3

Leveraging foundation model approach in fluids mechanics systems engineering

Shaul Eliahou Niv

Israel Aerospace Industries

Yotam Gardosh

HUJI

Asaf Shiloah

HUJI

17:00-17:20

ThL2T3.4

Inner Outer Predictive Model Applied to Atmospheric Surface Layer Turbulence

Maayan Shimoni

Technion

Ian Jacobi

Technion

Anna Clarke

Technion

17:20-17:40

ThL2T3.5

Flight Course Maneuver Optimization for a Fighter Jet in a Threatened Area

Ido Braun

Technion

Joseph Z. Ben-Asher

Technion



ThL2T4

Hall D

AI and Autonomy

Chair: Itzik Klein

University of Haifa

Co-Chair: Vadim Indelman

Technion

16:00-16:20

ThL2T4.1

Hybrid belief space planning with coupled semantic-geometric models

Tuvy Lemberg

Technion

Vadim Indelman

Technion

16:20-16:40

ThL2T4.2

Real-time sky object detection and classification using YOLO algorithm

Cristian Omat

Astronomical Institute of the Romanian Academy

16:40-17:00

ThL2T4.3

Detecting GPS spoofing incidents using variational autoencoders

Barak Or

Technion

17:00-17:20

ThL2T4.4

Enhancing predictive maintenance with transformer-based deep neural network

Barak Or

Technion

17:20-17:40

ThL2T4.5

Remotely piloted aircrafts automatic takeoff and landing performance evaluation

Tsoof Joels

Elbit Systems

17:40-18:00

ThL2T4.6

Neural inertial dead reckoning and fusion

Itzik Klein

University of Haifa



ThL2T5

Hall E

Aerodynamics, Hydrodynamics and Aeroacoustics

Chair: Yuval Dagan

Technion

Co-Chair: Omry Magen

Tel Aviv University

16:00-16:20

ThL2T5.1

Clustering of particle-laden flows in synthetic turbulence

Boaz Ofarim

Technion

Orr Avni

Technion

Yuval Dagan

Technion

16:20-16:40

ThL2T5.2

On the noise modulation of small-scale low-reynolds number rotors of different materials

Aharon Karon

Israel Aerospace Industries

Aleksandra Kvurt

Israel Aerospace Industries

Jenya Kazarin

Technion

Hadar Ben-Gida

Technion

16:40-17:00

ThL2T5.3

Utilization of computer vision algorithms for the characterization of coupled interactions between bubbly shocks and cavitation cloud

Elad Zur

Technion

Igal Gluzman

Technion

17:00-17:20

ThL2T5.4

Modelling steady features of cavitation in radial flow between two overlying disks with varying gaps

Samruddhi Salunke

Technion

Igal Gluzman

Technion



17:20-17:40

ThL2T5.5

**Rapid depressurization-induced flash boiling: a theoretical model
for positive and negative pressure ranges**

Omry Magen
Yoram Kozak
Laura DiLucchio
Marco Marengo
Tali Bar-Kohany

Tel Aviv University
Tel Aviv University
University of Pavia
University of Pavia
Tel Aviv University

17:40-18:00

ThL2T5.6

Eulerian sectional approach for particle erosion in compressible flows

Amir Loyevsky
Ido Immer
Yuval Dagan

Rafael
Rafael
Technion



ThL2T6

Hall F

Astrodynamics and Space Systems II

Chair: Vitaly Shaferman
Co-Chair: Moshe Golani

Technion
Technion

16:00-16:20

ThL2T6.1

Trajectory design and control for missed-thrust rendezvous

Meir Nemirovsky
Pini Gurfil

Technion
Technion

16:20-16:40

ThL2T6.2

An optimal low-thrust spacecraft interception guidance law with terminal velocity constraints

Yahli Drucker
Vitaly Shaferman

Technion
Technion

16:40-17:00

ThL2T6.3

Deep space navigation using satellite-based radio interferometry

Moshe Golani

Technion

17:00-17:20

ThL2T6.4

A space propulsion system without mass ejection

Azriel Lorber

17:20-17:40

ThL2T6.5

An optimal soft landing guidance law with an approach angle path constraint

Revital Frenkel
Vitaly Shaferman

Technion
Technion

17:40-18:00

ThL2T6.6

Exploring low-cost trajectories to the sun-earth Lagrange point

Geffen Aharoni
Tamar Alperin
Naama Gilat
Iris Kanter
Almog Yanku
Alex Frid

Technion
Technion
Technion
Technion
Technion
Technion



ThL2T7

Hall G

Solid Mechanics and Aerospace Materials

Chair: Ameer Marzok
Co-Chair: Pavel Galich

Technion
Technion

16:00-16:20

ThL2T7.1

Experimental investigation of external cargo handling system in YASSUR helicopter: a case study of Iranian ballistic missile extraction

Eytan Podvalni
Itay Farajun
Boaz Cohen
Fernando Zimmerman

Israel Aerospace Industries
Technion
Israel Aerospace Industries
Israel Aerospace Industries

16:20-16:40

ThL2T7.2

An investigation into semi-stabilized unsymmetrical thin-walled structure

Steve Katzeff

Israel Aerospace Industries

16:40-17:00

ThL2T7.3

Progressive damage and failure analysis for structural continuous fiber composites

Daniel Vilyatser
Tim Artz
Eric Stamper

Ansys
Ansys
Ansys

17:00-17:20

ThL2T7.4

Multifunction automated unit cell, review

Shay Shoam
Uri Ben-Simon
Yuval Freed
Zvi Karuchero
Alexander Lukatsky
Adam Sawday
Eduardo Eigenberg
Hilla Elimelech

Israel Aerospace Industries
Israel Aerospace Industries
Israel Aerospace Industries
IAI
Israel Aerospace Industries
IAI
Israel Aerospace Industries
DDR&D



17:20-17:40

ThL2T7.5

Optimal design of thin-walled beams with buckling considerations

Ameer Marzok

Technion

17:40-18:00

ThL2T7.6

Effect of magnetic field on P- and S-waves in magneto-active polymers

Ankush Yadav

Technion

Pavel Galich

Technion





Session Halls at the Faculty of Aerospace Engineering

