The International Conference on Aerospace System Science and Engineering 2026

ICASSE 2026

July 16th - 17th, 2026

Hong Kong

Organized by

Shanghai Jiao Tong University

Hosted by

The Hong Kong Polytechnic University

Co-sponsored by

Moscow Aviation Institute; Technical University of Munich; University of Toronto; China Society of Aeronautical Education

General Chairs:

HSU, Li-Ta (The Hong Kong Polytechnic University)
XU, Wu (Shanghai Jiao Tong University)

General Co-Chair:

JIANG, Yiping (The Hong Kong Polytechnic University)

International Steering Committee (Alphabetical by Last Name):

DAMAREN, Chris (University of Toronto)
HOLZAPFEL, Florian (Technical University of Munich)
HUANG, Jianzhe (Shanghai Jiao Tong University)
JING, Zhongliang (Shanghai Jiao Tong University)
LIU, Hugh (University of Toronto)
LU, Ping (San Diego State University)
MA, Wei (Shanghai Jiao Tong University)
SHIH, Tom (Purdue University)
STRELETS, Dmitry (Moscow Aviation Institute)
ZHAN, Xingqun (Shanghai Jiao Tong University)
ZHU, George Zheng Hong (York University)

Program Committee Chair:
YANG, Rong (Shanghai Jiao Tong University)
Program Committee Co-Chairs:
HONG, Haichao (Shanghai Jiao Tong University)
DONG, Ting (Shanghai Jiao Tong University)
Program Committee Vice Chair:
GUAN, Yu (The Hong Kong Polytechnic University)

Organizing Committee Chair:
YAN, Penggao (The Hong Kong Polytechnic University)
Organizing Committee Co-Chairs:
HU, Yuzhu (The Hong Kong Polytechnic University)
LUO, Xiaoyu (The Hong Kong Polytechnic University)
Organizing Committee Vice Chair:
GAO, Shan (Shanghai Jiao Tong University)

Program

July 15th, 2026 Day 0		
Registration **16:30-18:00 (GMT+8)** **Location: TU Podium**		

July 16th, 2026 Day 1		
Registration **08:30-09:30 (GMT+8)** **Location: TU Podium**		
Day 1 Main Venue (Venue A) **Opening Ceremony** **09:00-10:30 (GMT+8)** **Location: TU107** **Host: Li-Ta HSU**		
09:00-09:15	**Welcome Remarks** **1. Zuankai WANG, Vice President of PolyU** **2. Shiqiang HU, Secretary of the CPC School Committee, SJTU-SAA**	
09:15-09:45	**Keynote Speech I:** Vehicle Agnostic Aspects To Make Low Altitude Economy Successful	Florian HOLZAPFEL
09:45-10:15	**Keynote Speech II:** High-Fidelity Digital Twin and Discrete Element Simulation of Chang'e-5 Lunar Regolith Samples	Qi ZHAO
10:15-10:30	**Group Photo**	
Day 1 Main Venue (Venue A) **Track: Advanced Aircraft Technologies** **10:45-12:05 (GMT+8)** **Location: TU107** **Session Chair: Haichao HONG**		
10:45-11:05	**Invited Speech:** Tiltrotor VTOL Aircraft Modelling And Transition Control: Recent	Hugh H.T. LIU

	Progress	
11:05-11:20	Multi-Objective Optimization Of A Low-Noise Rotor In Hovering Condition	P0047 Jiyuan ZHENG
11:20-11:35	Design, Modeling And Manufacturing Of A Novel Tri-Rotor Compound Helicopter	P0051 Zijian XIONG
11:35-11:50	Aerodynamic Performance And Interference In Tilt-Rotor Forward And Backward Transitions Flight	P0104 Jiahao LIU
11:50-12:05	Integrated Mechanism/Structure/Actuator Design And Verification For 3D Multi-Mode Morphing Wings	P0063 Tianjian JIANG
Break **12:05-13:30 (GMT+8)**		
Day 1 Main Venue (Venue A) **Track: Guidance and Control I** **13:30-15:10 (GMT+8)** **Location: TU107** **Session Chair: Qiang SHEN**		
13:30-13:50	**Invited Speech:** Computational Control For Suppressing Vibrations Of Flexible Spacecraft Induced By In-Space Additive Manufacturing	George Z.H. ZHU
13:50-14:10	**Invited Speech:** Time-Varying Convex Output Combinations For Adaptive Flexible Manipulator Endpoint Control	Christopher DAMAREN
14:10-14:25	A Command Mapping Approach For Transient-Free Switching Between Flight Control Modes	P0030 Jakob BACHLER
14:25-14:40	Model Reference Adaptive Control For Flapping-Wing Micro Air Vehicles With Asymmetric Wing Damage	P0105 Heyu CAO
14:40-14:55	Vibration Control Of A Flexible Spacecraft Based On An Improved Distributed Parameter Model	P0121 Shilei CAO
14:55-15:10	Fixed-Time Adaptive Neural Attitude Tracking Control Of Combined Spacecraft Under Actuator Saturation And Capture-Induced Uncertainties	P0123 Xin CAO
15:10-15:30	**Coffee Break**	
Day 1 Main Venue (Venue A) **Track: Guidance and Control II** **15:30-17:00 (GMT+8)** **Location: TU107**		

Session Chair: Yixin HUANG		
15:30-15:45	Safety Docking Control And Optimal Output Reallocation For Unmanned Aerial Reconfigurable Manipulation	P0011 Yinshuai SUN
15:45-16:00	Aerial Contact Force-Tracking Control Via Variable-Impedance Frequency Regulation	P0053 Yinshuai SUN
16:00-16:15	Residual Learning–Based Nonlinear Model Predictive Control For Quadrotor UAVs	P0057 Mingbo GU
16:15-16:30	Adaptive Fault-Tolerant Control For Fixed-Wing UAV Formation With Unknown System Dynamics	P0128 Hangze LIU
16:30-16:45	Global Separation Direction-Based Active Fault Diagnosis And Fault-Tolerant Control For Constant Actuator Faults	P0089 Songtao WANG
16:45-17:00	A Cross-Scale Visual Perception And Hierarchical Pose Estimation Framework For Civil Aircraft Automatic Landing	P0027 Haidan ZOU

July 16th, 2026 **Day 1**		
Day 1 Venue B **Track: Spacecraft** **10:45-12:05 (GMT+8)** **Location: TU101** **Session Chair: Wei WANG**		
10:45-11:05	**Invited Speech:** A Training System For Space Industry Professionals Based On Small Satellite Projects: The Experience Of Samara University	Ivan S. TKACHENKO
11:05-11:20	A Novel Initial Estimation Method For Angle- And Velocity-Based Relative Navigation For Space Non-Cooperative Target	P0038 Zhouchu ZHANG
11:20-11:35	SAPOSE: Spatial-Aware Lightweight Network For Monocular Spacecraft Pose Estimation	P0069 Jiayang XU
11:35-11:50	Towards Autonomous On-Orbit Servicing: On-Board Reward Engineering Via Iterative Semantic Refinement And Small Language Models	P0031 Hang WU
11:50-12:05	Global-Aware CNN–Transformer Scheduling With Feasible Power Recovery For LEO Beam-Hopping Satellites	P0093 Hao LU
Break **12:05-13:30 (GMT+8)**		
Day 1 Venue B **Track: Aerodynamics I** **13:30-15:00 (GMT+8)** **Location: TU101** **Session Chair: Shiyu BAI**		
13:30-13:50	**Invited Speech:** Aeroelastic Simulation Strategies For Highly Flexible Wing Design - From Conceptual Design To High-Fidelity Analysis	Andreas HERMANUTZ
13:50-14:10	**Invited Speech:** Modeling Of Vortex Flight Safety	Dmitry STRELETS
14:10-14:25	Numerical Investigation Of Ground Vortex And Inlet Distor-Tion In Intake Flow Under Crosswind Conditions	P0039 Baoe HONG
14:25-14:40	Transition Of Mixing Scaling In Supersonic Vortex-Shear Interacting Flows	P0112 Bin YU

14:40-14:55	Preliminary Investigation Of Microramp Control On The High-Loss Shear Layer Of A Hypersonic Curved-Tail Configuration	P0107 Xinwei CHEN
14:55-15:30	**Coffee Break**	
Day 1 Venue B **Track: Aerodynamics II** **15:30-17:00 (GMT+8)** **Location: TU101** **Session Chair: Zhi ZHENG**		
15:30-15:45	Real-Time Uncertainty Quantification And Inference For Aircraft In-Flight Icing Evaluation	P0041 Minghui YU
15:45-16:00	A Study On The Deformation Mechanism And Acceleration Characteristics Of Supercooled Water Droplets Based On The Ratio Of Internal Static Pressure Difference To Dynamic Pressure	P0071 Liang CHANG
16:00-16:15	Icing Characteristics Of The NACA 64-A17 Airfoil And The Degradation Of Its Aerodynamic Performance At High And Low Reynolds Numbers	P0082 Tielin WANG
16:15-16:30	Geometric Evolution And Drag Reduction Performance Of Riblets Based On The Immersed Boundary ILES Method	P0058 Shuai YUAN
16:30-16:45	Adaptive Infilling-Enhanced Kriging Surrogate For Multi-Objective Aerodynamic Optimization Of A Supercritical Airfoil	P0091 Xiaolu WANG

July 16th, 2026 Day 1		
Day 1 Venue C **Track: Satellite Navigation** **10:45-12:05 (GMT+8)** **Location: TU103** **Session Chair: Okuary OSECHAS**		
10:45-11:05	**Invited Speech:** Ionospheric Scintillation Characteristion on GNSS Observations from Lunar surface	Rong YANG
11:05-11:20	Enhanced Global Ionospheric Modeling Via Fusion Of GNSS-R Observations From LEO Satellites	P0014 Jianhui LIU
11:20-11:35	Protection Level Temporal Validation In GNSS Satellite Based Augmentation System Overlapping Region	P0088 Yutong YING
11:35-11:50	Multi-Constellation Direct Position Estimation Receiver For Lunar GNSS Navigation	P0127 Wei GAO
11:50-12:05	Lunar GNSS Signal Acquisition On L1/E1 And E1/E5 Bands	P0136 Domenica Paulina VACA VELASQUEZ
Break **12:05-13:30 (GMT+8)**		
Day 1 Venue C **Track: AI for Aerospace I** **13:30-15:10 (GMT+8)** **Location: TU103** **Session Chair: Guohao ZHANG**		
13:30-13:50	**Invited Speech:** Topology-Safe Air-To-Air Interception Via Go-Inspired Metrics And Multi-Agent Reinforcement Learning	Sutthiphong SRIGRAROM
13:50-14:10	**Invited Speech:** Leveraging GNSS to Urban Environment Sensing	Guohao ZHANG
14:10-14:25	Research On Quantitative Risk Assessment Of New Energy Aircraft Test Flights Based On Machine Learning Algorithms	P0004 Zhaowen BU
14:25-14:40	An LLM-Enabled Multi-Agent Framework For Scenario-Based Requirements Analysis In Aerospace Systems	P0046 Lingzhi ZHU

14:40-14:55	Token-Level Optimization Coordination For Domain Generalized Semantic Segmentation	P0077 Zhenyu PANG
14:55-15:10	GSBA: Guided SchrÖDinger Bridge Adaptation For Cross-Condition Bearing Fault Diagnosis	P0064 Yuxin LIU
15:10-15:30	**Coffee Break**	
Day 1 Venue C **Track: AI for Aerospace II** **15:30-17:00 (GMT+8)** **Location: TU103** **Session Chair: Lingkun LUO**		
15:30-15:50	**Invited Speech:** When the World Changes, How Can AI Remain Effective? From Domain Adaptation to Generative Intelligence	Lingkun LUO
15:50-16:05	Surface Damage-Based Prediction Of Impact Performance In Thermoplastic Laminates Using Explainable Machine Learning With Uncertainty Quantification	P0013 Yunhan DENG
16:05-16:20	From Shortcut Fitting To Aging-Centric Representation Physics-Informed Masked Signal Modeling For Battery Prognostics	P0026 Yuxuan SUN
16:20-16:35	Real-Time Infrared Aerial Target Detection And Tracking With Embedded Deployment Optimization	P0033 Qingfeng MA
16:35-16:50	A SAM3 Adaptation Method For Nighttime UAV Detection Based On Reflectance Consistency Supervision	P0095 Zihang DING
16:50-17:05	SCSeg-Net: A DPT-Based Semantic Segmentation Framework With Geographic Prompts For Snow-Cloud Monitoring On The Tibetan Plateau	P0080 Dingyang NING
17:05-17:20	Statistical Verification Of Machine Learning Datasets For Safety-Related Aerospace Applications	P0116 Konstantin DMITRIEV

July 16th, 2026 **Day 1**		
Day 1 Venue D **Track: Turbomachinery** **10:45-11:50 (GMT+8)** **Location: TU201** **Session Chair: Feng WANG**		
10:45-11:05	**Invited Speech:** Design Platform of Fully Cooled Turbine Blade Using Automatic Mesh Generation and Multi-Scale Computational Fluid Dynamics Algorithms	Penghao DUAN
11:05-11:20	Numerical Study Of Flow Characteristics And Windage Torque In A Single-Inletdual-Outlet Rotor-Stator Cavity	P0096 Tianjiao HU
11:20-11:35	Study On Flow Mechanisms Of Rotor-Stator Interaction In A High Bypass Ratio Fan Booster	P0140 Mingmin ZHU
11:35-11:50	Numerical Study Of The Effects Of Fan Blade Root Clearance And Pivot Design On The Flow Field Of An Open Fan Engine	P0139 Zizhen CHEN
Break **11:50-13:30 (GMT+8)**		
Day 1 Venue D **Track: Civil Aircraft Systems I** **13:30-15:05 (GMT+8)** **Location: TU201** **Session Chair: Yiping JIANG**		
13:30-13:50	**Invited Speech:** Dual-frequency Multi-constellation Ground Based Augmentation System (GBAS) --Challenges and Methodology Study	Yiping JIANG
13:50-14:05	Intelligent Cabin Development Research Of COMAC Branding	P0006 Yong LUO
14:05-14:20	Research On Airworthiness Requirement Management And Control System Of New Aircraft Based On System Engineering	P0035 Xiao ZHANG
14:20-14:35	A Web-Based Platform For Functional And Logical ICD Extraction, Visualization And Traceability From SysML Models	P0103 Lingzhi ZHU
14:35-14:50	Towards MBSE Integration In Aircraft Final Assembly: A Cross-Domain Perspective From Requirements To Manufacturing Intelligence	P0134 Bingxuan REN

14:50-15:05	A Model-Based Approach For Root-Derived Alert Analysis In Civil Aircraft Cockpit	P0065 Meihui SU
15:05-15:30	**Coffee Break**	
Day 1 Venue D **Track: Civil Aircraft Systems II** **15:30-17:00 (GMT+8)** **Location: TU201** **Session Chair: Meng ZHAO**		
15:30-15:45	Conflict-Aware Banyan Tree Growth Optimization For Ro-Bust Scheduling Of Human-Robot Collaborative Cable Assembly In Aircraft Cabins	P0111 Xian WU
15:45-16:00	Research On Releasing Response Of Firefighting Aircraft Based On Simulation And Flight Test Engineering	P0023 Xiao ZHANG
16:00-16:15	Analysis And Design Of Key Flight Test Method For Airplane Landing Light System	P0050 Yanxin LI
16:15-16:30	ADS-B Information Verification Based On Aircraft Transponder Behavioral Characteristics	P0040 Kenji UEHARA
16:30-16:45	A Self-Triggered Scheduling Approach For Pilot Cognitive Decision Modeling	P0098 Meng ZHAO
16:45-17:00	Research On Flight Crew Workload Of Fire-Fighting Aircraft	P0141 Yuhe MAO
Light Buffet Dinner 17:30-18:40 **Location: QR Podium**		
Sightseeing Bus Tour 19:00 - 20:00 **Boarding Point: PolyU Main Entrance Bus Stop** *Please follow the volunteers from QR Podium to the boarding point.*		

July 17th, 2026 Day 2		
Day 2 Venue A **Track: Materials** **09:00-11:45 (GMT+8)** **Location: TU101** **Session Chair: Yin FAN**		
09:00-09:20	**Invited Speech:** Inverse Design toward Globally Optimal Mechanical Performance of Composites	Yin FAN
09:20-09:35	Parametric Numerical Analysis Of CFRP Laminated Plates: Influence Of Geometric Dimensions On Lightning Strike Damage	P0005 Baiwei NA
09:35-09:50	Comprehensive Physicochemical and Mechanical Analysis of an Epoxy Resin for Aerospace Engineering	P0125 Danila GRIBTSOV
09:50-10:05	Stiffness And Strength Prediction Of Composite Unidirectional Laminates Based On RVE Unit Cell With Small Sample Size	P0079 Xiaojing ZHANG
10:05-10:20	Modelling Of Progressive Delamination In Laminated Compo-Sites Using A Higher-Order Laminate Model And A Damage-Plastic Interfacial Failure Model	P0099 Yuan FENG
10:20-10:45	**Coffee Break**	
10:45-11:00	Influence Of Layup And Material Type On Interlaminar Static And Cyclic Crack Resistance For Mode I And II	P0118 Nikolai KONONOV
11:00-11:15	Influence Of Prefabricated Delamination On The Load Capacity And Failure Behavior Of T-Stiffened Composite Panels	P0135 Taowu PEI
11:15-11:30	Mathematical Model And Numerical Results Of Determining Vibration Characteristics For Optimal Design Of Aircraft Load-Bearing Surface Composite Panels With Refined Dynamic Strength Constraints	P0061 Liubov GAVVA
Break **11:30-13:30 (GMT+8)**		
Day 2 Venue A **Track: Aerospace Structural Engineering** **13:30-14:30 (GMT+8)** **Location: TU101**		

Session Chair: Luming FAN		
13:30-13:45	Process Adaptability Of Conduction Welding For Thick Thermoplastic Composite Laminates	P0037 Yehua KUAI
13:45-14:00	Determination Of Minimum Thicknesses Of Smooth Anisotropic Panels With Geometrically Nonlinear Behavior Considering Various Failure Mechanisms Under Longitudinal Compression	P0066 Maksim SHKURIN
14:00-14:15	Composite Laminate Design For A Passive Aileron Hinge-Gap Sealing Concept	P0131 Mikhail GORKIN
14:15-14:30	Design And Analysis Of Elliptical Stepped Repair For Aero-Space Composite Laminates With Limited Repair Space	P0133 Jinhong GUO
14:30-14:45	**Coffee Break**	
14:45-15:00	Data-Driven Surrogate Modeling For Lattice-Based Phase Change Thermal Management In Aviation EMAS	P0042 Xinling LIU
15:00-15:15	Development And Validation Of An Algorithm For Selecting Design Parameters Of Reusable Thermal Protection Systems For Spacecrafts	P0108 Bon ALEXANDER
15:15-15:30	Research Of Failure Of A Pipe Bolt By Shearing At Different Diameter Ratios And Experimental Determination	P0106 Egor TITOV
15:30-15:45	Analytical Model For Calculating Reactions In The Connection Points Of Typical Main Landing Gear For Flight Safety Improving	P0137 Egor TITOV

July 17th, 2026 Day 2		
Day 2 Venue B Track: Propulsion 09:00-11:30 (GMT+8) Location: TU103 Session Chair: Yi GAO		
09:00-09:20	**Invited Speech:** Research Advances on High-Efficiency Compression Systems for Future Hybrid Electric Propulsion Systems	Mingmin ZHU
09:20-09:35	Thermal Characteristics And Self-Cooling Of Jet Servo Valve Under Extreme High Temperature	P0002 Yifan WANG
09:35-09:50	Numerical Analysis Of The Mechanism Impact On The Initiation Process Of Rotating Detonation Engines	P0010 Jieyu FENG
09:50-10:05	Physics-Informed Identification Of Enhanced Collisional Effects In An Iodine Hall Thruster	P0081 Siyu LU
10:05-10:20	Influence Of Augmenter Tube Geometry On Entrainment Per-Formance Of An Indoor Aero-Engine Ground Test Cell	P0124 QiYuan HOU
10:20-10:45	**Coffee Break**	
10:45-11:00	An Interpretable Prediction Model For Swirl Number Of Axial Swirler Using Data Augmentation	P0138 Haoyang LIU
11:00-11:15	Experimental Study Of The Variation Laws Of Internal Shock Wave Structures In A Counter-Rotating Turbine Under Different Total-To-Static Expansion	P0119 Chao LI
11:15-11:30	Modeling The Process Of Foreign Object Ingestion By A Ground Vortex Flow	P0020 Sergei SEREBRIANSKII
Break 11:30-13:30 (GMT+8)		
Day 2 Venue B Track: Structure & Safety 13:30-14:30 (GMT+8) Location: TU103 Session Chair: Shuai ZHANG		
13:30-13:45	Advancements In Detection Methods For Aircraft Skin Damage: A	P0100

	Review	Yudian JIA
13:45-14:00	A Sparse Observation-And-Physics Informed Digital Twin With Finite-Orthogonal Basis Method	P0049 Hongjiang WANG
14:00-14:15	XGBoost-Based Load Inversion And Sensor Placement Optimization For A Composite Plate	P0101 Hongrui WANG
14:15-14:30	ASDE-YOLO: A Lightweight Attention-Guided Model For Aircraft Skin Defect Detection Via CBAM, EMA And Inner-CIoU Loss	P0117 Kexin LI
14:30-14:45	**Coffee Break**	
14:45-15:00	Flexible Chip-Based Sensor For Intelligent Conformal Sensing And Crack Characterization On Curved Metallic Surfaces	P0045 Xiangyu XIE
15:00-15:15	Sensitivity Analysis Of The Model Coefficients For Fatigue-Induced Stiffness Degradation In PCM Samples	P0092 Gleb KOLENICHENKO
15:15-15:30	Application Of Experimental And Numerical Methods For Evaluating The Elastic Modulus Of Composite Materials Based On Crack Density	P0084 Maksim MUKHAI
15:30-15:45	Method For Accounting Technological Heredity Using Conjugate Problems In The Design Of Aircraft Structures	P0076 Stanislav KOVAL

July 17th, 2026 Day 2		
Day 2 Venue C **Track: Advanced Flight Autonomy I** **09:00-10:20(GMT+8)** **Location: TU107** **Session Chair: Nesreen I. ZIEDAN**		
09:00-09:20	**Invited Speech:** Data and physical model dual-driven navigation using self-contained sensors under harsh environments	Yue YU
09:20-09:35	Trajectory Optimization For An Electric Short Takeoff And Landing Aircraft	P0072 Ruichen HE
09:35-09:50	Real-Time Flight Trajectory Optimization For RLV Via Kernel Extreme Learning Machine And Marine Predator Whale Optimizer	P0114 Ya SU
09:50-10:05	Real-Time Trajectory Optimization For Loitering Dynamic Soaring Via Extremum Seeking	P0132 Xuanyu CHEN
10:05-10:20	Worst-Case Analysis For Fixed-Wing Aircraft Automated Landing Based On Counter Optimization	P0085 Yuanyuan HAO
10:20-10:45	**Coffee Break**	
Day 2 Venue C **Track: Advanced Flight Autonomy II** **10:45-11:45 (GMT+8)** **Location: TU107** **Session Chair: Yinshuai SUN**		
10:45-11:00	ICECBS: Improved Continuous Enhanced Conflict-Based Search For Multi-UAV Path Planning	P0036 Haodong XIAO
11:00-11:15	Distributed Robust MPC For Formation Control With Collision Avoidance Based On Modified One-Step RPI Set Computing Approach	P0115 Domenica Paulina VACA VELASQUEZ
11:15-11:30	A Bio-Inspired Hybrid Guidance Framework For Hypersonic Reentry Via Fully-Connected Liquid Time-Constant Networks	P0074 Suyu HU
11:30-11:45	Multi-Criteria Aircraft Climb Stage Optimization in Vertical and Horizontal Planes Using Evolutionary Algorithms	P0122 IVANOV Borislav
Break		

11:45-13:30 (GMT+8)		
Day 2 Venue C **Track: Applied Technologies** **13:30-14:30 (GMT+8)** **Location: TU107** **Session Chair: Wei MA**		
13:30-13:45	Acoustic Framework For UAV Detection Using AI	P0075 Daniil TITOV
13:45-14:00	Ionospheric Amplitude Scintillation Index Forecasting Using Random Forest Regression	P0021 Xiaochuan HONG
14:00-14:15	A Residual Neural Network Framework For Rotating Sound Source Localization	P0012 Cheng Wei LEE
14:15-14:30	Assessment Of MCB-GT For Acoustic Imaging In Aircraft Flyover Measurements	P0067 Haoyuan DONG
14:30-14:45	**Coffee Break**	
14:45-15:00	AMCP: An Adaptive Multi-Step Conformal Prediction Method For Aircraft Bleed Air Temperature Forecasting	P0078 Xinyi ZHOU
15:00-15:15	Limitations And Engineering Solutions For The Application Of Fiber Bragg Gratings In Aerospace Structures: A Review	P0086 Nikita RODIN
15:15-15:30	Design And Verification Of Plug-And-Play Algorithms For Aerospace Simulation Engines Based On The Strategy Pattern	P0028 Lingzhi ZHU

July 17th, 2026 Day 2
Discussion **(Best Paper Award)** **15:45-17:15 (GMT+8)** **Location: TU107**
Closing / Awards **17:15-17:40 (GMT+8)** **Location: TU107** **Host: Li-Ta HSU** **Closing Remark:** **1. Wu XU, Vice Dean of SJTU-SAA, General Chair of ICASSE 2026** **2. Li-Ta HSU, PolyU, General Chair of ICASSE 2026**
Gala Dinner Reception / Admission **(for the paid participants and invited guests)** **18:00-18:30 (GMT+8)** **Location: Function Room 5+6, Basement 1, Hotel ICON** **Address: 17 Science Museum Road, Tsim Sha Tsui East, Kowloon, Hong Kong**
Gala Dinner **(for the paid participants and invited guests)** **18:30-21:30 (GMT+8)** **Location: Function Room 5+6, Basement 1, Hotel ICON** **Address: 17 Science Museum Road, Tsim Sha Tsui East, Kowloon, Hong Kong**

Venue / Travel Overview

Conference Venue

Venue: Wing TU Podium, The Hong Kong Polytechnic University (PolyU), Hung Hom, Hong Kong

Venue Opening Hours: 08:30 - 18:00

The ICASSE 2026 conference will be held in Wing TU, The Hong Kong Polytechnic University. Participants should enter the venue from the TU Podium. The registration desk will be located on the TU Podium, in front of the Cheung On Tak Lecture Theatre (張安德演講廳).

Venue Access and Registration

Main access: Please enter Wing TU from the TU Podium / podium-level entrance.

Registration desk: The registration desk will be located at the TU Podium, in front of the Cheung On Tak Lecture Theatre. Participants should collect their conference badge before entering the session rooms.

From MTR Hung Hom Station: Please take Exit A1 and follow the footbridge to PolyU. After entering the campus, follow the signs to Wing TU / TU Podium and proceed to the registration desk.

Room access: TU201 is located on the TU Podium. TU101, TU103 and TU107 are located on Level 1; please go downstairs from the TU Podium to access these rooms.

Conference Rooms

Date	Rooms	Location / Access Notes
16 July 2026	TU101, TU103, TU201, TU107(Main venue)	TU101/TU103/TU107: Level 1 - go downstairs from TU Podium TU201: TU Podium
17 July 2026	TU101, TU103, TU107	Level 1 - go downstairs from TU Podium

Conference Banquet

The conference banquet is scheduled as follows:

Date: 17 July 2026, Friday

Time: 6:30 pm - 8:30 pm

Admission: Please arrive at 6:00 pm for admission. Participants should present the dinner voucher or conference badge upon admission.

Venue: Function Room 5+6, Basement 1, Hotel ICON

Address: 17 Science Museum Road, Tsim Sha Tsui East, Kowloon, Hong Kong

PolyU Campus Map

The conference venue is located at Wing TU Podium, The Hong Kong Polytechnic University. Participants may refer to the PolyU campus map before arrival.

PolyU campus map: Wing TU is near the Hung Hom Station footbridge entrance.

Registration area: in front of the Cheung On Tak Lecture Theatre at TU Podium.

Getting to PolyU

Nearest MTR Station

The nearest MTR station is Hung Hom Station. Participants may take the footbridge from Exit A1 to the PolyU campus, then follow the signs to Wing TU / TU Podium.

From Hong Kong International Airport

By Airport Express / MTR: Take the Airport Express from Hong Kong International Airport to Tsing Yi Station. Change at Tsing Yi Station Platform 4 to the Tung Chung Line towards Hong Kong Station. Then change at Nam Cheong Station Platform 2 to the Tuen Ma Line towards Wu Kai Sha. Alight at Hung Hom Station and take Exit A1 to the campus. A single journey takes approximately 40 minutes for the ride, and costs around HK$65 with Octopus / HK$70 without Octopus. Please refer to the MTR website for the latest details.

By Bus: Take Cityflyer route A21 from Airport (Ground Transportation Centre) Bus Terminus to Hung Hom Station. Then take the footbridge at Hung Hom Station Exit or A1 to the campus. The ride takes approximately 75 minutes and costs around HK$33. Please refer to the Citybus website for the latest route and fare information.

By Taxi: Take an urban red taxi to PolyU and drop off at the main entrance at Cheong Wan Road. The ride takes approximately 45 minutes and costs around HK$280, subject to traffic conditions. Additional charges may apply for large baggage, tolls and return tolls for cross-harbour trips. Please refer to the latest taxi fare information before departure.

From Shenzhen / Mainland China

Participants travelling from Shenzhen or Mainland China are advised to allow sufficient time for boundary-crossing and immigration clearance. The following routes are commonly used:

Via Futian Port / Lok Ma Chau Station: After completing immigration at Futian Port / Lok Ma Chau Control Point, take the MTR East Rail Line from Lok Ma Chau Station towards Admiralty. Alight at Hung Hom Station, take Exit A1, and walk to PolyU via the footbridge.

Via Luohu Port / Lo Wu Station: After completing immigration at Luohu / Lo Wu Control Point, take the MTR East Rail Line from Lo Wu Station towards Admiralty. Alight at Hung Hom Station, take Exit A1, and walk to PolyU via the footbridge.

Via High Speed Rail to Hong Kong West Kowloon Station: After arriving at Hong Kong West Kowloon Station, walk to Austin Station and take the Tuen Ma Line towards Wu Kai Sha. Alight at Hung Hom Station and take Exit A1 to PolyU.

Via Shenzhen Bay Port / other road control points: Participants may take a cross-boundary coach or hire car to Hong Kong, then continue to PolyU by MTR or taxi. Please check the latest operating hours, routes and ticketing arrangements in advance.

For the latest public transportation information, participants are advised to check the official transport websites before departure.

Useful Travel Information

Time Zone

Local Hong Kong time is Greenwich Mean Time +8 hours.

Power and Electricity

The standard electrical voltage in Hong Kong is 220 volts AC, 50Hz. The commonly used plug type is the British-style three-pin rectangular blade plug.

Weather

July is usually hot and humid in Hong Kong, with possible rainstorms or typhoons. Participants are advised to check the latest Hong Kong weather forecast before departure and during the conference.

Tourist Attractions

Participants may visit the website of the Hong Kong Tourism Board to learn more about attractions in Hong Kong.

Octopus Card

The Octopus Card is a rechargeable contactless card that can be used for public transport in Hong Kong and at many shops and restaurants. On-loan Octopus Cards usually include a refundable deposit and an initial stored value. Please refer to the MTR website for the latest details.

Travel Visas / Entry Requirements

Participants are responsible for checking their own visa / entry permit requirements for travelling to Hong Kong. Nationals of many countries and territories may visit Hong Kong visa-free for different periods, but requirements vary. Please refer to the Hong Kong Immigration Department for the latest information.

Insurance

The organiser will not be held responsible for accidents such as loss of belongings, cancelled flights or medical costs due to injury or illness. Participants are strongly recommended to make travel insurance arrangements before departure.

Useful Links

Conference Website
PolyU Campus Map
MTR Website
Citybus Website
Hong Kong Observatory
Hong Kong Tourism Board
Hong Kong Immigration Department
Hotel ICON Location Page