

CACS 2025 Program Overview

Wednesday, November 5, 2025

Time	Topic	Venue
15:00 ~ 17:00	Registration	1F Lobby of Engineering Bldg. 5

Thursday, November 6, 2025

Time	Topic	Venue
08:00 ~ 17:00	Registration Exhibition	1F Lobby of Engineering Bldg. 5 B1 Lobby of Engineering Bldg. 5
09:00 ~ 10:30	Session Track 1/NSTC Poster 1	2F Session Rooms / 1F Corridor (走廊) of Engineering Bldg. 5
10:30 ~ 10:50	Coffee & Tea Break	B1 Lobby of Engineering Bldg. 5
10:50 ~ 11:10	Opening Ceremony	International Conference Hall B1 Level of Engineering Bldg. 5
11:10 ~ 12:00	Plenary Speech I Speaker: Prof. Masayoshi Tomizuka University of California, Berkeley, USA	International Conference Hall B1 Level of Engineering Bldg. 5
12:00 ~ 13:00	Lunch	Rooms (102/112/113) 1F of Engineering Bldg. 5
12:00 ~ 13:00	CACS BOG Meeting	Meeting Room 725 7F of Engineering Bldg. 5
13:10 ~ 14:00	Plenary Speech II Speaker: Prof. Chin-Teng Lin University of Technology Sydney, Australia.	International Conference Hall B1 Level of Engineering Bldg. 5
14:00 ~ 14:50	Plenary Speech III Speaker: Prof. Naoyuki Kubota Tokyo Metropolitan University, Japan.	International Conference Hall B1 Level of Engineering Bldg. 5
14:50 ~ 15:10	Coffee & Tea Break	B1 Lobby of Engineering Bldg. 5
15:10 ~ 16:40	Session Track2/ NSTC Poster 2	2F Session Rooms/ 1F Corridor (走廊) of Engineering Bldg. 5
15:10 ~ 16:45	Industry Session	Room 210 of Engineering Bldg. 5
17:00 ~ 17:10	Free Shuttle Bus Departure Time	Chung Cheng Auditorium (中正堂門口)
18:00 ~ 20:30	Welcome Reception	1F, Recipe House(食譜自助百匯) , Fleur Lis Hotel(芙洛麗大飯店)

Friday, November 7, 2025

Time	Topic	Venue
08:00 ~ 17:00	Registration Exhibition	1F Lobby of Engineering Bldg. 5 B1 Lobby of Engineering Bldg. 5
09:00 ~ 10:30	Session Track3 / NSTC Poster 3	2F Session Rooms / 1F Corridor (走廊) of Engineering Bldg. 5
10:30 ~ 10:45	Coffee & Tea Break	B1 Lobby of Engineering Bldg. 5
10:45 ~ 11:35	Plenary Speech IV Speaker: Prof. Atsuo Takanishi Waseda University, Japan	International Conference Hall B1 Level of Engineering Bldg. 5
11:35 ~ 12:25	Plenary Speech V Speaker: Prof. Nikhil R. Pal Indian Statistical Institute, Calcutta, India	International Conference Hall B1 Level of Engineering Bldg. 5
12:25 ~ 13:15	Lunch	Rooms (102/112/113) 1F of Engineering Bldg. 5
12:45 ~ 13:15	iFuzzy Annual General Meeting	International Conference Hall B1 Level of Engineering Bldg. 5
13:15 ~ 14:05	Plenary Speech VI Speaker: Prof. Guillem Alenyà Institut de Robòtica i Informàtica Industrial, Spain	International Conference Hall B1 Level of Engineering Bldg. 5
14:05 ~ 14:30	Coffee & Tea Break	B1 Lobby of Engineering Bldg. 5
14:05 ~ 14:30	CACS Annual General Meeting	International Conference Hall B1 Level of Engineering Bldg. 5
14:30 ~ 15:20	Experience Sharing Session on NSTC Proposal Writing and Application (國科會計畫撰寫與申請經驗分享會)	International Conference Hall B1 Level of Engineering Bldg. 5
15:20 ~ 15:30	Break	Engineering Bldg. 5
15:30 ~ 16:40	NSTC Control Engineering Program Affairs Briefing (國科會工程處控制學門業務說明)	International Conference Hall B1 Level of Engineering Bldg. 5
17:00 ~ 17:10	Free Shuttle Bus Departure Time	Chung Cheng Auditorium (中正堂門口)
18:00 ~ 20:30	Banquet	2F of Amazing Hall (晶宴會館星辰劇場)

Saturday, November 8, 2025

Time	Topic	Venue
09:00 ~ 12:00	Registration	1F Lobby of Engineering Bldg. 5
09:10 ~ 10:40	Session Track 4	2F Session Rooms of Engineering Bldg. 5
10:40 ~ 11:00	Coffee & Tea Break	B1 Lobby of Engineering Bldg. 5
11:00 ~ 11:50	Plenary Speech VII Speaker: Prof. Dongrui Wu Huazhong University of Science and Technology, China	Room 220 2F of Engineering Bldg. 5
11:50 ~ 12:00	Closing Remarks	Room 220 2F of Engineering Bldg. 5

Program at a Glance

Wednesday, November 5, 2025

Time	Topic & Venue
15:00 ~ 17:00	Registration 1F Lobby of Engineering Bldg. 5

Thursday, November 6, 2025

Time	Topic & Venue							
08:00 ~ 17:00	Registration、Exhibition 1F Lobby of Engineering Bldg. 5、 B1 Lobby of Engineering Bldg. 5							
09:00 ~ 10:30 Session Track 1/ NSTC Poster 1	Room 205, 2F	Room 206,2F	Room 207, 2F	Room 208, 2F	Room 209, 2F	Room 229, 2F	Room 230, 2F	Room 231, 2F
	CACS-SS-01	CACS-SS-02	CACS-SS-04	CACS-SS-09	CACS-SS-12	CACS-SS-15	CACS-SS-16	CACS-SS-19
	Intelligent Control Systems and Applications	Generative AI for industrial Robot	Applied Artificial Intelligence with UAV	Robot Digital Twin 1044, 1122, 1160, 1179, 1188, 1195	Intelligent assistance system for the badminton training	Intelligent Hearing Aid and Cardiac Monitoring Device	Generative AI-Empowering Techniques for Autonomous Driving	NYCU-Waseda Collab: Novel Robotic and Mechatronic Technologies
	1068, 1075, 1081, 1083, 1084,	1103, 1105, 1107, 1134	1071, 1076, 1078, 1131, 1168		1086, 1121, 1126, 1143	1011, 1017, 1082, 1176	1025, 1106, 1128, 1129, 1152, 1153	1038, 1080, 1087, 1093, 1097, 1194
10:30 ~ 10:50	Coffee & Tea Break B1 Lobby of Engineering Bldg. 5							
10:50 ~ 11:10	Opening Ceremony International Conference Hall, B1 Level of Engineering Bldg. 5							
11:10~12:00	Plenary Speech I Speaker: Prof. Masayoshi Tomizuka University of California, Berkeley, USA Title: Autonomous Intelligent and SWARM Control of Robots in Harsh Environment Chair: Prof. Yi-Ting Chen International Conference Hall, B1 Level of Engineering Bldg. 5							

12:00 ~ 13:00	Lunch Rooms (102/112/113), 1F of Engineering Bldg. 5							
12:00 ~ 13:00	CACS BOG Meeting Meeting Room 725, 7F of Engineering Bldg. 5							
13:10 ~ 14:00	Plenary Speech II Speaker: Prof. Chin-Teng Lin University of Technology Sydney, Australia. Title: Brain Computer Interface in Augmented Reality and Metaverse Chair: Prof. Chun-Shu Wei International Conference Hall, B1 Level of Engineering Bldg. 5							
14:00 ~ 14:50	Plenary Speech III Speaker: Prof. Naoyuki Kubota Tokyo Metropolitan University, Japan. Title: Topological Intelligence for Human-Robot Interaction Chair: Prof. Li-Wei Ko International Conference Hall, B1 Level of Engineering Bldg. 5							
14:50~ 15:10	Coffee & Tea Break B1 Lobby of Engineering Bldg. 5							
15:10 ~ 16:40 Session Track 2/ NSTC Poster 2	Room 205, 2F	Room 206, 2F	Room 207, 2F	Room 208, 2F	Room 209, 2F	Room 229, 2F	Room 230, 2F	Room 231, 2F
	CACS- BP Best Paper Competit ion 1009, 1096, 1113, 1119, 1150, 1181, 1184	CACS- BS Best Student Paper Competitio n 1013, 1101, 1124, 1151, 1170, 1175	CACS- SS-05 Machine Learning and Intelligent Control for Robotic System Developm ent 1048, 1049, 1120, 1144, 1172, 1174	CACS- SS-10 Intelligent Control of Advanced Mechatronic Systems 1018, 1022, 1036, 1133, 1140, 1142	CACS- SS-14 Integrated Intelligent Systems for Vehicle and Industrial Applications 1053, 1054, 1090, 1135, 1163, 1164	CACS- SS-21 Deep Learning for auto- delineation in Pelvic Cancer Radiothera py 1092, 1136, 1138, 1139 , 1021	CACS- SS-25 Generative AI service robots: methodolog y, simulation, and implementat ion 1015, 1069, 1089, 1111, 1112	CACS- SS-27 EEG Signal Processing for Brain Disease Diagnosis and Interaction 1146, 1147, 1148, 1149

10:45 ~ 11:35	Plenary Speech IV Speaker: Prof. Atsuo Takanishi Waseda University, Japan Title: Humanoid Robotics Research and Its Applications Chair: Prof. Kuu-Young Young International Conference Hall, B1 Level of Engineering Bldg. 5
11:35 ~ 12:25	Plenary Speech V Speaker: Prof. Nikhil R. Pal Indian Statistical Institute, Calcutta, India Title: High Dimensional Fuzzy and Neuro-Fuzzy Systems: Crossing the barrier of 100000 variables! Chair: Prof. I-Fang Chung International Conference Hall, B1 Level of Engineering Bldg. 5
12:25~ 13:15	Lunch Rooms (102/112/113), 1F of Engineering Bldg. 5
12:45 ~ 13:15	iFuzzy Annual General Meeting International Conference Hall, B1 Level of Engineering Bldg. 5
13:15 ~ 14:05	Plenary Speech VI Speaker: Prof. Guillem Alenyà Institut de Robòtica i Informàtica Industrial, Spain Title: Bridging Semantic Understanding and Robot Execution Chair: Prof. Hsien-I Lin International Conference Hall, B1 Level of Engineering Bldg. 5
14:05~ 14:30	Coffee & Tea Break B1 Lobby of Engineering Bldg. 5
14:05 ~ 14:30	CACS Annual General Meeting International Conference Hall, B1 Level of Engineering Bldg. 5
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Saturday, November 8, 2025

Time	Topic & Venue						
09:00 ~ 12:00	Registration 、Exhibition 1F Lobby of Engineering Bldg. 5						
9:10 ~ 10:40 Session Track 4	Room 205, 2F	Room 206, 2F	Room 207, 2F	Room 208, 2F	Room 209, 2F	Room 229, 2F	Room 230, 2F
	CACS-RS-01 Autonomous Mobile / Flying Robot 1016, 1024, 1104, 1123, 1167, 1186	CACS-SS-03 Intelligent Manufacturing Innovation 1051, 1055, 1154, 1065, 1185, 1189	CACS-SS-11 Human-Centered Physical AI 1052, 1061, 1070, 1077, 1099, 1110	CACS-SS-20 Neuro-Cognitive Generative AI for Multimodal Perception and Navigation 1037, 1039, 1040, 1042, 1056, 1161	CACS-SS-26 Intelligent Robotic Systems for Logistics 1074, 1130, 1155, 1158, 1162, 1173	CACS-RS-02 Robust Control 1030, 1029, 1100, 1159, 1169, 1177	CACS-RS-03 Mechatronics Systems 1026, 1027, 1094, 1095, 1171, 1183
10:40 ~ 11:00	Coffee & Tea Break B1 Lobby of Engineering Bldg. 5						
11:00~ 11:50	Plenary Speech VII Speaker: Prof. Dongrui Wu Huazhong University of Science and Technology, China Title: Fuzzy Logic for Brain-Computer Interfaces Chair: Prof. Li-Wei Ko Room 220, 2F of Engineering Bldg. 5						
11:50~ 12:00	Closing Remarks Room 220, 2F of Engineering Bldg. 5						