

# 邀請函

近年來，隨著無人載具蓬勃發展，高品質之導航定位成果已成為重要基礎要素之一，為強化國內多元感測器與慣性導航系統之軟硬體技術，並推動自主發展之慣性導航系統產業整合，國立成功大學於 114 年 8 月 25 日受內政部委託舉辦「2025 國際精準慣導技術與應用工作坊」，於 8 月 26 日至 28 日與台灣導航學會共同舉辦「2025 慣導大師講座」，藉由邀請國際相關領域之專家學者進行專題演講及技術分享，如：卡加利大學的 Naser El-Sheimy 博士、史丹佛大學的 Yu-Hsuan Chen 博士、iMAR Navigation GmbH 的 Ingo Bezold 市場銷售總監、Trimble Inc. 的 Alan W. Ip 業務開發經理、新加坡 Home Team Science and Technology Agency 的 Ben K.H. Soon 資深首席工程師等，共同探討慣性導航、衛星定位、硬體系統整合、軟體演算法開發、高精地圖等相關議題，誠摯邀請相關產官學研單位蒞臨參加，進行交流。

## 2025 國際精準慣導技術與應用工作坊：

✧ 時間：114 年 8 月 25 日(星期一)

✧ 地點：國立成功大學(成功校區)B1 大格致廳

(臺南市東區大學路 1 號)

✧ 本活動為免費參與，並提供公務人員終身學習時數 6 小時，限額 200 名，額滿為止，歡迎踴躍參與。

2025 慣導大師講座：

✧ 時間：114 年 8 月 26 日(星期二)至 8 月 28 日(星期四)

✧ 地點：國立成功大學(成功校區)測量及空間資訊學系

(臺南市東區大學路 1 號)

✧ 本活動酌收報名費(含實作教材、手冊與結業證書)，並提供公務人員終身學習時數 18 小時(需全程參與)，採實體方式辦理，限額 40 名，額滿為止，歡迎踴躍參與。報名費用敬請至大會網站查詢。

對象	早鳥(6/30 前) (依匯款日期為準)	7/1-8/1
學生(檢附在學證明) (限 20 名)	6,000	7,500
一般人士	15,000	20,000

報名方式：

✧ 網址：<https://hdmap.geomatics.ncku.edu.tw/events/114/INS>

✧ QR code：

✧ 報名期間：114 年 6 月 9 日(星期一)至 8 月 1 日(星期五)，報名成功將寄信通知。

活動聯絡人：

✧ 蔡孟倫 博士(06-2081962 ext.27)

✧ 謝芝芸 專案經理(06-2081962 ext.25)

✧ 高精地圖研究發展中心信箱：[imap@geomatrics.ncku.edu.tw](mailto:imap@geomatrics.ncku.edu.tw)

# 2025 International workshop on INS centric applications

## 2025 國際精準慣導技術與應用工作坊

### Agenda

2025 International Workshop on INS-Centric Applications			
Time	Topic	Speaker	Chair
09:00 - 09:30	Registration		
09:30 - 10:00	Open Ceremony		
10:00 - 10:30	TBD (INS centric fusion related topic)	Prof. Naser El-Sheimy University of Calgary	Prof. Kai-Wei Chiang Dept. of Geomatics National Cheng Kung University
10:30 - 11:00	TBD (Autoware localization and mapping-related topic)	Map IV	
11:00 - 11:20	Coffee Break		
11:20 - 11:50	TBD (GNSS SDR-related topic)	Dr. Yu-Hsuan Chen Research Fellow at GNSS Lab Stanford University	Prof. Shau-Shiun Jan Dept. of Aeronautics and Astronautics National Cheng Kung University
11:50 - 12:10	TASA’s INS-centric Test Facility Establishment: Progress update	Dr. Hao-Chi Chang Department Director of Space Transportation System TASA	
12:10 - 13:30	Lunch		
13:30 - 14:00	TBD (FOG/RLG IMU, INS related topic)	Mr. Ingo Bezold Director Sales & Marketing iMAR Navigation GmbH	Prof. Feng-Yu Chu Dept. of Geomatics National Cheng Kung University
14:00 - 14:30	TBD (Van and UAV MMS and applications)	Mr. Alan Ip Business Development Manager Trimble Applanix	
14:30 - 14:45	TBD (EGI Empowered Seamless Drone Applications related topic)	Prof. Shau-Shiun Jan Dept. of Aeronautics and Astronautics National Cheng Kung University	
14:45 - 15:00	TBD (EGI Empowered Seamless USV Applications related topic)	Prof. Chun-Yen Kuo Dept. of Geomatics National Cheng Kung University	
15:00 - 15:15	EGI Empowered HD Map Production Pipeline	Dr. Surachet Srinara Phayao University	
15:15 - 15:35	Coffee Break		
15:35 - 15:45	Industry presentation	TBD	Prof. Ying-Chih Lai Dept. of Aeronautics and Astronautics National Cheng Kung University
15:45 - 15:55	Industry presentation	TBD	
15:55 - 16:05	Industry presentation	TBD	
16:05 - 16:25	TBD (UAV/UAS or robotic related topic)	Dr. Ben K H Soon Senior Principal Engineer Home Team Science & Technology Agency	
16:25 - 16:45	EGI Empowered Location Based Comprehension Systems for Smart Mobility Applications	Prof. Kai-Wei Chiang Dept. of Geomatics National Cheng Kung University	
16:45 - 17:00	General Discussion		

# 2025 Master lecture series on Inertial Navigation Systems

## 2025 慣導大師講座

### Agenda

2025 Master Lecture Series on Inertial Navigation Systems			
2025.8.26 (Tuesday)			
Time	Topic	Lecturer	Chair
08:30 - 09:00	Registration		
09:00 - 10:30	Inertial Navigation Empowered by FOG/RLG Technology: Theory and Applications	Mr. Ingo Bezold Director Sales & Marketing iMAR Navigation GmbH	Prof. Kai-Wei Chiang Dept. of Geomatics National Cheng Kung University
10:30 - 10:50	Coffee Break		
10:50 - 12:20	Inertial Centric Fusion: Theory and Application-I	Prof. Naser El-Sheimy University of Calgary	Prof. Kai-Wei Chiang Dept. of Geomatics National Cheng Kung University
12:20 - 13:30	Lunch Break		
13:30 - 15:00	Inertial Centric Fusion: Theory and Application-II	Prof. Naser El-Sheimy University of Calgary	Dr. Surachet Srinara Phayao University
15:00 - 15:20	Coffee Break		
15:20 - 16:50	Inertial Centric Fusion: Theory and Application-III	Prof. Naser El-Sheimy University of Calgary	Dr. Surachet Srinara Phayao University
16:50 - 17:30	Hands-On Activities: Instruction	Mr. Tsai Syun PhD Candidate National Cheng Kung University	
2025.8.27 (Wednesday)			
08:30 - 09:00	Registration		
09:00 - 10:30	GNSS Software Receiver: Theory and Application I	Dr. Yu-Hsuan Chen Research Fellow at GNSS Lab Stanford University	Prof. Shau-Shiun Jan Dept. of Aeronautics and Astronautics National Cheng Kung University
10:30 - 10:50	Coffee Break		
10:50 - 12:20	GNSS Software Receiver: Theory and Application II	Dr. Yu-Hsuan Chen Research Fellow at GNSS Lab Stanford University	Prof. Shau-Shiun Jan Dept. of Aeronautics and Astronautics National Cheng Kung University
12:20 - 13:30	Lunch Break		
13:30 - 15:00	Inertial Centric Fusion: Hands-On Activities with EGI EVK	Mr. Tsai Syun PhD Candidate National Cheng Kung University	Prof. Kai-Wei Chiang Dept. of Geomatics National Cheng Kung University
15:00 - 15:20	Coffee Break		
15:20 - 16:50	GNSS SDR: Hands-On Activities with SDR front-end	Dr. Yu-Hsuan Chen Research Fellow at GNSS Lab Stanford University	Prof. Shau-Shiun Jan Dept. of Aeronautics and Astronautics National Cheng Kung University
16:50 - 17:50	Data Collection for Hands-On Activities Presentation and competition	Mr. Tsai Syun PhD Candidate National Cheng Kung University	Dr. Surachet Srinara Phayao University
2025.8.28 (Thursday)			
08:30 - 09:00	Registration		
09:00 - 10:30	INS Centric Fusion with GNSS, Camera, and Lidar for Smart Vehicle Applications	Dr. Surachet Srinara Phayao University	Prof. Kai-Wei Chiang Dept. of Geomatics National Cheng Kung University
10:30 - 10:50	Coffee Break		
10:50 - 12:20	INS Centric Fusion with GNSS, Camera, and Lidar for Drone Applications	Mr. Alan Ip Business Development Manager Trimble Applanix	Prof. Kai-Wei Chiang Dept. of Geomatics National Cheng Kung University
12:20 - 13:30	Lunch Break		
13:30 - 15:00	Hands-On Activities Presentation and Competition	Mr. Tsai Syun PhD Candidate National Cheng Kung University	Prof. Kai-Wei Chiang Dept. of Geomatics National Cheng Kung University
15:00 - 15:20	Coffee Break		
15:20 - 16:30	Award Ceremony and Concluding Remarks		Prof. Kai-Wei Chiang Dept. of Geomatics National Cheng Kung University