

臺中榮民總醫院國際醫學研討會-急診醫學部

The Future of Smart Emergency Care and Healthcare Resilience

智慧急診與韌性醫療的未來

Date: 2026 Oct 17 (Saturday) 09:00-12:00

Location: Conference Room 7, 4th Floor, Second Medical Building, Taichung Veterans General Hospital

日期：2026年10月17日(星期六) 09:00-12:00

地點：臺中榮民總醫院教學大樓4樓第七會議室

Time	Topic	Speaker	Moderator
08:30-09:00	報到		
09:00-09:05	Opening		
09:05-09:40	The Future of the Internet of Things: Intelligent Connectivity through AI and Space–Air–Ground Integrated Networks 物聯網（IoT）的遠景：透過人工智慧(AI)與三維立體整合網路，實現智慧聯網	Prof.Nei Kato Tohoku University Japan 加藤寧教授 日本東北大學	Prof.Der-Jiunn Deng National Changhua University of Education 鄧德雋教授 國立彰化師範大學 Dr. Yu-Tse Tsan Taichung Veterans General Hospital 詹毓哲主任 臺中榮民總醫院
09:40-09:45	QA		
09:45-10:20	From Disaster Management to Healthcare Resilience Preparedness 從災難管理到韌性醫療的整備	Dr. Chien-Hao Lin Department of Emergency Medicine, National Taiwan University Hospital, NTUH Taiwan 林鍵皓醫師 國立臺灣大學醫學院附設醫院	Dr. Huan-Ting Chi Taichung Veterans General Hospital 紀煥庭主任 臺中榮民總醫院 Dr. Wei-Kai Liao Taichung Veterans General Hospital 廖尉凱醫師 臺中榮民總醫院
10:20-10:25	QA		
10:25-10:40	BREAK		
10:40-11:15	Smart Healthcare at Chung Shan Medical University Hospital 智慧醫療在中山	Prof. Ming-Che Tsai Chung Shan Medical University Hospital,CSMUH Taiwan 蔡明哲總院長 中山醫學大學附設醫院	Dr. Po-Chen Lin Taichung Veterans General Hospital 林帛震主任 臺中榮民總醫院 Dr. Huan-Ting Chi Taichung Veterans General Hospital 紀煥庭主任 臺中榮民總醫院
11:15-11:20	QA		
11:20-11:55	Primary Care Management of Sexually Transmitted and Urinary Tract Infections: The Japanese Approach 基層醫療對性病與泌尿道感染之處置：日本臨床實務與指引	Prof.Koichiro Wada Shimane University Japan 和田耕一郎 島根醫學大學附屬醫院	Dr. Wei-Cheng Chen Taichung Veterans General Hospital 陳韋辰醫師 臺中榮民總醫院 Dr. Kuo-Chen Chung Taichung Veterans General Hospital 鐘國禎主任 臺中榮民總醫院
11:55-12:00	QA		
12:00-13:30	Lunch		
18:00	10/17晚宴-裕元4樓		

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Education Background	1986 Bachelor degree, Polytechnic University, Japan 1988 Master degree, Tohoku University, Japan 1991 Doctor degree, Tohoku University, Japan	
Professional Career	1991-1996 Assistant Professor, Computer Center, Tohoku University 1996-2003 Associate Professor, Graduate School of Information Sciences, Tohoku University 2003-now Professor, Graduate School of Information Sciences, Tohoku University 2013-2014 Strategic Advisor to the President of Tohoku University 2015-2019 Director, Research Organization of Electrical Communications (ROEC), Tohoku University 2018-2021 Deputy Dean, Graduate School of Information Sciences, Tohoku University 2021- 2025 Dean, Graduate School of Information Sciences, Tohoku University	
Speech Title	The Future of the Internet of Things: Intelligent Connectivity through AI and Space–Air–Ground Integrated Networks	
Abstract (200 words) : The rapid growth of the Internet of Things (IoT) is transforming industries and society by enabling intelligent applications across smart cities, transportation, healthcare, agriculture, and industrial automation. However, supporting billions of interconnected devices with diverse quality-of-service requirements demands communication networks that are not only ubiquitous and reliable but also intelligent and adaptive. Space–Air–Ground Integrated Networks (SAGIN), which seamlessly integrate terrestrial, aerial, and satellite platforms, offer a promising solution for extending IoT connectivity beyond the limitations of conventional terrestrial networks. This keynote explores how Artificial Intelligence (AI) can unlock the full potential of IoT over SAGIN by enabling predictive, adaptive, and autonomous network operations. The talk will highlight recent advances in AI-driven IoT traffic prediction and resource allocation, learningbased routing for dynamic multi-layer networks, digital twins for intelligent IoT management, optical wireless communications for high-capacity backhaul, and multi-access edge computing (MEC) for latency-sensitive IoT services. The keynote will also discuss the challenges and future research directions toward building scalable, resilient, and intelligent IoT ecosystems for the 6G era. By bringing together AI, SAGIN, and next-generation networking technologies, this keynote provides a vision of how future IoT systems can achieve seamless global connectivity, efficient resource utilization, and intelligent service delivery for emerging applications.		

	姓名	林鍵皓 Chien-Hao Lin
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Professional Career	2013-至今臺大醫院 急診醫學部 院聘主治醫師 2021-至今臺灣大學醫學院 急診醫學科 臨床講師 2011-2013 汐止國泰綜合醫院 急診醫學科 主治醫師	
Speech Title	從災難管理到韌性醫療的整備	
Abstract(200 words) : 韌性醫療是災難醫療的延伸，是針對武裝衝突的特殊需求與環境所進行的醫療工作，然而災難管理的本質，包含緊急事件管理的週期，事件指揮系統等，都與所有災難共通，這也是災難管理的核心—全災害管理。然而如何系統化的發展，可以從病人流、管理面、能力發展與新科技等面向著手。透過優化分流、跨界協調、實戰培訓與數位決策，如此才能使現有的災難醫療量能做最有效的利用，避免事倍功半，確保危機下系統永續。		

	姓名	蔡明哲 Ming-Che Tsai
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Professional Career	2020-至今中山醫學大學附設醫院 總院院長 2020-至今中山醫學大學附設醫院急診醫學科 教授 2014-2020 中山醫學大學 醫學院院長 及 醫學系系主任 2010-2014 中山醫學大學附設醫院 急診醫學部主任、醫教部主任、國際醫療中心主任	
Speech Title	智慧醫療在中山	
Abstract(200 words) : 中山附醫運用 AI 與數位科技落實智慧醫療並導入生成式 AI「醫點家」減輕醫護文書負擔，以及結合物聯網的智慧送藥機器人與自動化系統，帶領學員了解科技如何賦能臨床、改善照護流程，迎向未來智慧醫院及落實健康台灣。院方更透過跨單位調度，將尖端科技全面融入日常教學與培訓，系統化優化智慧醫院的病人流管理。此舉不僅大幅提升臨床醫療決策效率，更有效精簡繁瑣流程，讓醫護回歸專業照顧，攜手開創兼具韌性與前瞻性的健康防線。		

Please complete the form and return it before August 15

	Name		Koichiro Wada	
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Education Background		MD 2002 Okayama University PhD 2009 Okayama University Graduate School		
Professional Career	Position	Institution	M/Y Joined	M/Y Finished
	Professor and Chair	Shimane University	Aug, 2021	Present
	Associate Professor	Okayama University Hospital	Oct, 2020	Jul, 2021
	Clinical fellow	Tokyo Women's Medical University	Oct, 2019	Sep, 2020
	Associate Professor	Okayama University Hospital	Mar, 2017	Sep, 2019
	Research fellow	Medical University of Vienna	Jan, 2017	Feb, 2017
	Associate Professor	Okayama University Hospital	Jun, 2016	Dec, 2016
	Assistant Professor	Okayama University Hospital	Apr, 2012	May, 2016
	Postdoctoral fellow	Okayama University Hospital	Apr, 2011	Mar, 2012
	Medical Doctor	Kagawa Prefectural Central Hospital	Jul, 2009	Mar, 2011
	Medical Doctor	Okayama University Hospital	Jul, 2005	Jun, 2009
Resident	Okayama Saiseikai Hospital	Apr, 2002	Jun, 2005	
Speech Title		Primary Care Management of Sexually Transmitted and Urinary Tract Infections: The Japanese Approach		
Abstract (200 words) : Sexually transmitted infections (STIs) and urinary tract infections (UTIs) are among the most common infectious diseases encountered in primary care. This lecture will introduce the Japanese approach to their diagnosis and management based on the Guidelines for the Diagnosis and Treatment of Sexually Transmitted Infections 2026 and the JAID/JSC Guide to Clinical Management of Infectious Diseases 2023, highlighting recommendations tailored to Japanese epidemiology, antimicrobial resistance, and real-world clinical practice. For STIs, practical management including syndromic assessment, appropriate use of nucleic acid amplification tests, antimicrobial therapy, partner management, and prevention will be reviewed. Particular emphasis will be placed on the updated Japanese strategy for Mycoplasma genitalium infection and non-gonococcal urethritis, which addresses the challenge of initiating treatment before microbiological confirmation. For UTIs, the lecture will summarize recent revisions in antimicrobial recommendations for cystitis and pyelonephritis, shortened treatment duration for complicated cystitis, management of asymptomatic bacteriuria and catheter-associated urinary tract infection, and carbapenem-sparing strategies for ESBL-producing organisms. Throughout the presentation, similarities and differences between Japanese and international recommendations will be highlighted, providing participants with practical insights into contemporary infectious disease management in Japan.				