

International Special Session on High Altitude Platform Systems (HAPS)

일자 _ 2025년 11월 20일(목) 14:00~15:30

장소 _ 라한셀렉트 경주 지하1층 컨벤션A

프로그램

시간	발표주제	발표자(소속)
14:00~14:05	Opening Remarks	Prof. Young-Chai Ko (Korea University, Korea)
14:05~14:20	The New Space Race: Exploring Near Space Opportunities	Prof. Mohamed-Slim Alouini (KAUST, Saudi Arabia)
14:20~14:35	Unlocking the Stratosphere – Addressing the Challenges	Dr. Paul Stevens (Voltitude, UK)
14:35~14:40	Break	
14:40~14:55	R&D Initiatives toward Commercialization of HAPS in Japan	Dr. Yoshihisa Kishiyama (Space Compass, Japan)
14:55~15:00	Break	
15:00~15:30	Panel Discussion	Moderator: Prof. Young-Chai Ko (Korea University, Korea)

※ Presentation titles will be updated as confirmed.

강연 소개



The New Space Race: Exploring Near Space Opportunities

Prof. Mohamed-Slim Alouini

KAUST, Saudi Arabia

Mohamed-Slim Alouini, was born in Tunis, Tunisia. He earned his Ph.D. from the California Institute of Technology (Caltech) in 1998 before serving as a faculty member at the University of Minnesota and later at Texas A&M University at Qatar. In 2009, he became a founding faculty member at King Abdullah University of Science and Technology (KAUST), where he currently is the AI-Khawarizmi Distinguished Professor of Electrical and Computer Engineering and the holder of the UNESCO Chair on Education to Connect the Unconnected. Dr. Alouini is a Fellow of the IEEE, OPTICA, and SPIE and his research interests encompass a wide array of research topics in wireless and satellite communications. He is currently particularly focusing on addressing the technical challenges associated with the deployment of information and communication technologies (ICT) in underserved and disaster-prone areas.



Unlocking the Stratosphere – Addressing the Challenges

Dr. Paul Stevens

Voltitude, UK

Paul Stevens is the CEO of Voltitude Ltd and the former Head of Design for the Airbus AALTO Zephyr High-Altitude Pseudo Satellite (HAPS) program. He established Voltitude Ltd, a new company dedicated to “Unlocking the Stratosphere®”, and leads the development of High-Altitude Platforms, technology, applications, and payloads, and has spent over 20years developing and demonstrating HAPS systems and technology. Paul is a Physicist by academic training and a Chartered Engineer specializing in System Engineering for HAPS.



R&D Initiatives toward Commercialization of HAPS in Japan

Dr. Yoshihisa Kishiyama

Space Compass, Japan

Yoshihisa Kishiyama received his B.E., M.E., and Ph.D. degrees from Hokkaido University, Sapporo, Japan in 1998, 2000, and 2010, respectively. In 2000, he joined NTT DOCOMO, INC. Dr. Kishiyama was involved in the research and development of 4G and 5G radio access technologies, including concept development, standardization, and experimental trials at NTT DOCOMO. He was also engaged in 6G concept development as a writer of “DOCOMO 6G White Paper”. In 2022, he was temporarily transferred to Space Compass Corporation. He is currently a Senior Manager, Space RAN Business in Space Compass, and is engaged in research and development of non-terrestrial network, especially HAPS. He has been a Visiting Professor at Hokkaido University since 2023. He has more than 400 granted patents in the area of mobile communications. In 2012, he received the ITU Association of Japan Award for global contributions to LTE.