



Australian Government



Australia-Korea FOUNDATION



THE UNIVERSITY OF  
SYDNEY

# Australia-Korea Research Collaboration Workshop

Dates: 4-5 July 2022

Venue: Cairns,  
Queensland, Australia

Address: Holiday Inn Cairns Harborside

## Workshop Program:

Day 1: Monday 4 <sup>th</sup> July 3:00 pm – 5:00 pm		Topics	Time
Speaker ↓	Welcome and Introduction - <b>Prof. Jinho Choi</b> [Afternoon Tea]		<b>03:00 pm</b> - 03:15 pm
<b>Prof. Yonghui Li</b> (USyd, Online)	<b>Presentation1</b>	URLLC for 5G and Beyond	<b>03:15 pm</b> - 03:45 pm
<b>Prof. Fumiyuki Adachi</b> (Tohoku Univ., Online)	<b>Presentation2</b>	Ultra-Dense Wireless for 5G-advanced and Beyond 5G	<b>03:45 pm</b> - 04:15 pm
<b>Prof. Seong-Lyun Kim</b> (Yonsei Univ., Online)	<b>Presentation3</b>	6G Research in Yonsei University	<b>04:15 pm</b> - 04:45 pm
<b>Panel Discussions on 6G Research</b>			<b>04:45 pm</b> – 05:10 pm
Dinner			<b>6:30 pm</b> – 8:00 pm

Day 2: Tuesday 5 <sup>th</sup> July 9:00 am – 11:30 am		Topic	Time
Speaker ↓	Morning Introduction - <b>Prof. Jinho Choi</b> [Morning tea]		<b>09:00 am</b> - 09:15 am
<b>Prof. Moongu Jeon</b> (GIST)	<b>Presentation4</b>	Building security with AI & IoT	<b>09:15 am</b> – 09:45 am
<b>Dr. Shiva Pokhrel</b> (Deakin Univ.)	<b>Presentation5</b>	Satellite communications research platform for enhancing future Australian Korean communities	<b>09:45 am</b> – 10:15 am
<b>Dr. Mahyar Nemati</b> (Deakin Univ.)	<b>Presentation6</b>	Toward Joint Radar, Communication, Computation, Localization, and Sensing in IoT	<b>10:15 am</b> – 10:45 am
<b>Dr. Jihong Park</b> (Deakin Univ.)	<b>Presentation7</b>	Semantics-Native and Knowledge-Driven 6G Semantic Communication	<b>10:45 am</b> – 11:15 am

Free Discussion - Q&A	<b>11:15 am - 11:30 am</b>
Break	11:30 am – 02:00 pm
<b>Open Discussions on Research Collaboration</b>	<b>02:00 pm - 05:00 pm</b>
Break	05:00 pm – 07:00 pm
Dinner	<b>07:00 pm – 10:00 pm</b>