

## YGF/YPF 2021 Keynote Speakers

### Day 1 Plenary lectures

1. Professor Christopher Pettit (University of NSW)



Title: Sharpening land and property decisions with artificial Intelligence

#### Biography

Chris Pettit is the inaugural professor of Urban Science and Director of the City Futures Research Centre, UNSW Sydney. Prof Pettit recently (2018) established the City Analytics Lab (CAL), a dedicated space designed to support collaborative city planning and user-centred design. Prof Pettit's expertise is in the convergence of the fields of city planning and digital technologies including Geographical Information Sciences (GIS). He has given numerous keynote addresses at conferences around the world and has published widely including the recently edited book: Reed, R. and C. Pettit (2018). Real Estate and GIS: The Application of Mapping Technologies, Routledge publishers. For the last 25 years, he has been undertaking research and development in the use of digital planning tools to support the envisioning of future city scenarios. His research expertise also spans into applications, development and the evaluation of geographical visualization tools including, advanced spatial decision support systems and city dashboards. He is currently Chair of the Board of Directors of CUPUM (Computers in Urban Planning and Urban Management) and on the International Advisory Board for the "Geo for all" initiative. He is also an advisory board for the Centre for Data Leadership and a member of the Committee for Sydney's Smart Cities Taskforce and a member of the NSW Government Expert Advisory Group for Planning Evidence and Insights.

<https://cityfutures.be.unsw.edu.au/about-us/our-profiles/christopher-pettit/>

2. Dr Ho Seok AHN 안호석 (University of Auckland, NZ)



Title: Orchard Robot System - Pollination and Harvesting

### Abstract

The horticulture industry faces increasing pressure as demands for high-quality food and competitive productivity grow. To cater for these requirements, better pollination and harvesting systems can be used. The University of Auckland CARES developed an multi-purpose orchard robot system that performs pollination and fruit harvesting for kiwi and apple plants. In this talk, we share our experience to make this robot works in real environment.

### Biography

Ho Seok AHN is a senior lecturer, which is equivalent to Associate Professor at major universities abroad, at the Department of Electrical, Computer and Software Engineering, University of Auckland, New Zealand, since 2015. He received his B.S. degree in Information and Communication Engineering from Sungkyunkwan University, Republic of Korea, and his Ph.D. degree in Electrical Engineering and Computer science from Seoul National University, Republic of Korea, in 2005 and 2010, respectively. He was a senior researcher at Korea Institute of Industrial Technology (KITECH), Republic of Korea, from 2010 to 2012. He was a research scientist at Advanced Telecommunications Research Institute International (ATR), Japan, from 2012 to 2013. He was a postdoctoral researcher at the University of Auckland, New Zealand, from 2013 to 2015. His research interests include social robots, healthcare robots, and agricultural robots working in real-world.

<https://unidirectory.auckland.ac.nz/profile/ho-ahn>

## **Day 2 Plenary lecture**

A/Professor Taehyun Rhee 이태현 (Victoria University of Wellington, New Zealand)



Title: Beyond the Metaverse, Teleport to the Video

### Biography

<https://www.wgtn.ac.nz/cmhc/about/staff/taehyun-rhee>