

WORKSHOP DAY

FRIDAY JUNE 7th 2024

Parallel workshops for learning and delving into the challenges of construction and the specific use of automation and robotization in construction. The workshop leaders are experts in these technologies. A pair from industry and academia will share their visions.

<p>8:00am - 8:30am</p>	<p>Workshop Day Opening: Doors Open, Registration, and coffee</p>	
<p>8:30am - 10:00am</p>	<p>Workshop 1</p> <p>Breaking barriers: Future potentials of life cycle thinking in AECO practice</p> <p>Fabian Kastner (ETH Zurich) and Dr Ming Shan (Charmaine) Ng (Kyoto Institute of Technology)</p> <p>Location: LILLIAD- Salle C</p> <p><u>Requirements:</u> Each person or group requires one laptop with a Chrome browser installed.</p>	<p>Workshop 2</p> <p>How Digital could support Construction Flow and industrialization</p> <p>Fabien Font (Teamoty)</p> <p>Location: LILLIAD- Salle D</p>
<p>10:00am - 10:30am</p>	<p>Coffee Break 1</p>	
<p>10:30am - 12:30am</p>	<p>Workshop 3</p> <p>Advancing Active Timber Envelopes (ATE): Bridging the Gap Between Innovation and Implementation</p> <p>Dr. Tianyi Chen (National University of Singapore-NTU), Prof. Dr. Chye Kiang Heng (NTU), and Dr Ming Shan (Charmaine) Ng (Kyoto Institute of Technology)</p> <p>Workshop 4</p> <p>Innovating the Future: Society 5.0 in the Architecture, Engineering, Construction, and Operations (AECO) Sector</p> <p>Dr Clara Cheung (University of Manchester) and Dr Ming Shan (Charmaine) Ng (Kyoto Institute of Technology)</p> <p>Location: LILLIAD- Salle C</p>	<p>Workshop 5</p> <p>Self-hackathoning Pop-up Sculpture Museum by Sensors, LLM, AR and NFT</p> <p>Tsukasa Ishizawa (TAKENAKA CORPORATION)</p> <p>Location: LILLIAD- Salle D</p> <p><u>Requirements:</u></p> <ul style="list-style-type: none"> ✓ Maximum number of attendees: 30 ✓ Rhinoceros 6 and above required to your PC (Trial available) ✓ Add-on "gHowl" to be installed to your Grasshopper ✓ Mobile App "ZIG SIM" to be installed to your iPhone/Android ✓ Signed up to the AI service "chooch," free account
<p>12:30pm - 2:00pm</p>	<p>Lunch</p>	
<p>2:00pm - 3:30pm</p>	<p>Workshop 6</p> <p>Lean Construction and Target Value Design in Digital Fabrication</p> <p>Dr Ming Shan (Charmaine) Ng (Kyoto Institute of Technology), Dr. Wassim Al Balkhy (Centrale Lille), and Alexander Walzer (ETH Zurich)</p> <p>Location: LILLIAD- Salle C</p>	<p>Workshop 7</p> <p>Standardization for Renovation, Lean Construction and Automation and Robotics</p> <p>Merve Karamara (OTH Regensburg), Prof.Dr.Ing Thomas Linner (OTH Regensburg), and Prof. Dr.-Ing Kepa Iturralde (University of Stuttgart)</p> <p>Location: LILLIAD- Salle D</p>
<p>3:30pm - 4:00pm</p>	<p>Closing session</p>	