International Conference on Building Data Acquisition, Ontology, and Modeling

24 April 2024 (Wednesday)

Ir Raymond POON, JP, Director, EMSD

Good morning, honorable guests, ladies and gentlemen:

On behalf of the organizers, I extend a warm welcome to the International Conference on Building Data Acquisition, Ontology, and Modeling. The rapid advancements in artificial intelligence (AI) have a profound impact on the field of engineering, offering unprecedented opportunities for innovation and revolution.

AI algorithms and machine learning techniques are being applied across various professions, including engineering disciplines, and the potential is remarkable. To seize this opportunity, EMSD launched the E&M AI Lab in late 2022. This collaborative initiative involves stakeholders from the government, industry, academia, and research institutions around the world, with a specific focus on applying AI in the Building E&M engineering industry.

From data analysis and optimization to energy management and predictive maintenance, AI is transforming the way engineers tackle complex problems, unlocking new possibilities for sustainable and intelligent solutions. The E&M AI Lab serves as a platform for knowledge exchange and development on data, semantic AI, and open platforms. It also fosters partnerships to co-create AI development for E&M facilities. Since its establishment, the E&M AI Lab has already created and incubated over 12 co-research projects, published at least 10 technical papers, organized and participated in more than 6 international collaboration including the "Building Data Week 2024" with today's conference. Through harnessing the power of AI, the E&M AI Lab will be a driving force in accelerating the development of Building E&M AI technology in the years to come.

Today, we are delighted to host this international conference as a platform for knowledge sharing and collaboration. The diverse range of topics and perspectives presented here will undoubtedly generate new ideas that will shape the future of our industry.

I am privileged to welcome our speakers, whose contributions have shaped the landscape of smart buildings. They will share their insights on the latest trends, innovative methodologies, and the future outlook of building E&M industry. I encourage you to engage fully with the speakers and your peers — question, debate, and collaborate, for it is through our shared efforts that our field thrives.

I am confident that today's event will be a source of inspiration for all attendees. Now, let's embrace the opportunity to learn from upcoming speakers and share new ideas. Thank you.