Q&A Panel: Why you should be interested in Smart Buildings?

Monday Oct 22   1:15pm – 3:15pm

Empire Ballroom, Omni Shoreham

Smart buildings, resilient buildings, autonomous buildings. Which qualities do you expect from an office building? How should your own home be enhanced in future? Today we have voice control, smart indoor climate controllers and even robots to help us feel comfortable, what will be next and how will it all integrate? Also the construction sector has been rethinking how to build in future: prefabricated houses, digital building models, for planning and for operation, provide us with semantic information about the building.

Join us in a discussion session on the latest in building technologies:

- Smart Buildings and IoT
- Semantic Technologies
- Autonomous Commercial Buildings
- Sensor Technologies
- Smart Homes and Human System Interaction (HSI)

Challenge the experts with your questions.

Your Question Here

Panel Experts

❖ Alicja Kwasniewska, Intel AI Specialist

❖ John Petze, Executive Director of Project-Haystack.org

❖ Sahil Diwan, Siemens Strategy & Business Development, Digital Services

❖ Kevin Van Den Wymelenberg, Director at the Energy Studies in Buildings Laboratory, University of Oregon

❖ Jacek Rumiński, Head of Department of Biomedical Engineering, Gdansk University of Technology, Poland

The panel and the adjoined paper session is organized by:

Gerhard Zucker, AIT Austrian Institute of Technology, Austria

Jan Haase, University of Luebeck, Germany

Kevin Van Den Wymelenberg, University of Oregon, US

Kim Fung Tsang, City University of Hong Kong

Gerhard P. Hancke, City University of Hong Kong

Kanghyun Jo, University of Ulsan, Korea

Hui Yu, University of Portsmouth, UK

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Agenda

13:15	**Opening**
13:25	**5-minute impulse presentations by the panelists**
13:45	**Interactive Discussion**
	Fishbowl discussion, inviting the audience for questions
15:00	**Wrap Up and Conclusions**

Panelists

	Alicja Kwasniewska is an AI specialist with main focus on applying deep learning algorithms to computer vision problems. For the past 2 years she has been actively researching low power solutions for running inference at the edge and leading deep learning efforts in smart-home projects at Intel.
	John Petze is a partner at SkyFoundry, the developers of SkySpark™, an analytics platform for building, energy and equipment data. He is the Executive Director of Project-Haystack.org, focusing on standards and technology to make device data self-describing to enable software applications to analyze and present data from devices and equipment.
	Dr. Kevin Van Den Wymelenberg is an Associate Professor at the University of Oregon. He is the Director of the Energy Studies in Buildings Laboratory and Co-director of the Biology and the Built Environment Center in Eugene and Portland, OR. His practical experiences are supporting a research agenda to bring campus buildings toward autonomous buildings that are concerned with energy efficiency, comfort, productivity and health of building occupants.
	Prof. Jacek Ruminski is a head of Biomedical Engineering Department at Gdansk University of Technology, Poland. His research interest include image processing, machine learning, human system interaction and information systems, working in such application areas like healthcare, well-being and personal safety.