MEDIA ADVISORY

ATTN: STEM and Market Segment Reporters and Journalists for: Healthcare; Internet of Things (IOT), Artificial Intelligence (AI), Machine Learning; Smart Cities and Systems for Wireless Communications (5G); and Urban Agriculture (Vertical and Cyberphysical Farming) – welcome to attend sessions on issues related to challenges in the connected environment with leading experts at upcoming RPI event.

The Center for Lighting Enabled Systems & Applications (LESA) at Rensselaer Polytechnic Institute (RPI) will host leading industry experts to discuss societal needs for and practical uses of preemptive, autonomous, and discrete Systems that Think™ at exclusive event.

DATE/TIME: Wednesday, April 10, 2019 * (8:00am – 4:00pm)
PLACE: Hilton Garden Inn (235 Hoosick Street, Troy, NY)
location: Osbourne Amphitheater (lowest level)
parking: on site at the hotel
*(see attached agenda for additional information on the Lab Tours and Demos scheduled for Thursday, April 11, 2019 and email Leah Scott for access details)

EVENT:
The LESA Center is allowing exclusive press access to our members only Industry-Academia Days event to preview the dynamic research and technology at LESA and to participate in an on-going dialogue about the future of the connected environment.

This year we are offering sessions on: ‘Healthy Environments’ with Massachusetts’s based: CIRCADIAN®’s Chairman & CEO Dr. Martin Moore-Ede, and Capital District (Troy) based Vital Vio’s CEO & Founder Colleen Costello.

- a better way to kill germs through continuous disinfection LED technology.
- LEDs connect the dots between disinfection and smart lighting.
- Moore-Ede will discuss increasing productivity and alertness in 24/7 industry shift workers, the ROI of a good night sleep, and adoption of circadian light in healthcare standards.

The ‘Sentient (or Smart) Buildings of the Future’ with world renowned architect Alexandros Tsamis

- Tsamis will discuss the role of integrated systems in the build environment and smart architecture (see a preview during recent RPI Red Talk).

‘Virtual and Augmented Reality’ cognition and RAVE Lab expert Richard Radke and Tetherless World Constellation expert Deborah McGuinness
Radke will discuss how human cognition is being adopted for artificial and virtual realities. McGuinness will discuss wireless communications in systems for increased bandwidth and 5G communications.

‘IOT, AL and Machine Learning’ with Energy and Environment expert Michael Myer of PNNL and Rensselaer and Networked Systems Lab expert Stacy Patterson

‘Plant Science’ with Future/Vertical Farming expert Ed Hardwood from New Hampshire based AeroFarms

Additionally:
- Dr. George “Bud” Brainard of Thomas Jefferson University will be on site. He is a renowned researcher best known for his work with NASA installing healthy lighting on the International Space Station and as a leader in his light-based therapy research for treating patients with traumatic brain injuries.
- Rensselaer Professor John Wen (RPI) will be on site whose work in circadian lighting incorporates wearable biometrics that help determine the right circadian regulating light for travelers facing issues associated with jet lag and time zone adjustment.
- Technologist Adam Drobot from Open TechWorks will be on site. His expertise is in IOT systems development and technology management in applied research, and he has held numerous committee appointments and distinctions with the Institute of Electrical and Electronic Engineers (IEEE).
- Rensselaer Professor Mona Hella (RPI) will be on site. She is a leading expert in Visual Light Communications (VLC), a light application known as LiFi that can be use in 5G communications to ensure continuous connectivity in WiFi based systems.

DETAILS:
Members of the media community are invited to attend the technology sessions of Industry-Academia Days and participate in the Q&A session immediately following each session. The press will have access to the speakers to ask additional questions, conduct short interviews, take photographs of the event (at large), and may ask permission to photograph or video the speakers at their discretion. Registration is recommended but not required. You may be asked to sign in prior to entering the event and pick up a press badge. Registration link: https://www.surveymonkey.com/r/LESA2019

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