Smart Lighting ERC Industrial Speaker Seminar Series

Wednesday, November 4, 2015
9:30 am – 10:30 am

JEC 3117
(Refreshments will be served)

Lighting, Beyond Illumination

Rashmi Raj
Project Technical Director, Advanced Technology & Concepts Center
Acuity Brands

Abstract:
Lighting, as an industry, has undergone an unprecedented transformation in the last decade. What used to be a construction based industry is now morphing into one based on information, necessitating not only changes in the products we offer, but also how we take them to market. The pace of this change has been extraordinary. Companies like Acuity have had to respond nimbly and ably in order to maintain market share. For many, the concept of intelligence and networking via light fixtures is still hard to digest and convincing them that a light fixture is essentially the same as their smart phone is a tall order. But at the end of the day, better lighting remains the most important deliverable. This is an exciting time to be a part of the lighting industry.

Bio:
Rashmi Raj is the Technical Director at the Advanced Technology & Concepts Center of Acuity Brands Lighting. Before that, she worked at Renaissance Lighting, which was acquired by Acuity in 2010. Prior to that, she worked with the innovation group at Luminus Devices. Rashmi received her M.S in EE at Michigan Technological University. In her current role, she is leading a team of six scientists to explore new technologies in lighting. These concepts are still five to ten years out in their commercial realization. This R&D group’s effort is to enhance Acuity’s product portfolio at multiple levels and across value streams. The concentration areas are light sources, sensors and optical distribution methods. Prior to this, she was responsible for designing advanced drivers and algorithms for the dynamic lighting portfolio of Acuity. She has worked for several years in implementing tunable white concepts with high color quality metrics in lighting fixtures. She has also developed several algorithms for closed loop feedback systems using colored solid state lighting sources. Rashmi also led innovative VLC based technology to enable in-door positioning and autonomous commissioning type applications.

Acuity Brands, Inc. is a North American market leader and one of the world’s leading providers of lighting solutions for both indoor and outdoor applications. With fiscal year 2015 net sales of $2.7 billion, Acuity Brands employs approximately 7,400 associates and is headquartered in Atlanta, Georgia with operations throughout North America, and in Europe and Asia.

For details contact: Dr. Silvia Mioc, Director of Industrial Collaborations, miocs@rpi.edu, 518-276-4010