The 131st MANA Special Seminar

15:30-16:15 Prof. Alex K-Y. Jen

(Department of Materials Science & Engineering and Department of Chemistry, University of Washington, USA)

Self-Assembly and Interface Engineering of Organic Functional Materials for Photonic and Opto-electronic Applications

Chair: Prof. Kenji Kitamura (MANA PI)

Organic conjugated materials have been explored for a wide array of photonic and opto-electronic applications such as ultralow voltage and high-speed electro-optic (E-O) modulators, solid-state lighting, and solar cells. The capability to control their properties at the nano-level and translate them into the macro-level through molecular design, synthesis, self-assembly, and processing of these materials has empowered scientists to demonstrate unprecedented material and device performance. In this talk, we will discuss two examples of using these integrated approaches to improve the performance of organic conjugated materials for unprecedentedly low voltage E-O devices and high-performance polymer photovoltaic cells.

Venue: **4F Seminar Room #431, MANA Bldg.**

Date: **Mar 8th Monday** ***Time:*** **15:30-16:15**

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