



**SAN FRANCISCO BAY AREA  
NANOTECHNOLOGY COUNCIL**

**14th Annual Spring Symposium**

**International Invitational Symposium- Nanomaterials & Nanocomposites:**

**Processing, Synthesis & Applications**

April 26, 2018: 8:30 am - 5:30 pm

SEMI Global Headquarters, Milpitas, CA

- 8:30 am Registration, Coffee, Networking
- 9:20 am Welcome by Nano Chair: Glenn  
Welcome by Symposium Chair: Vasuda
- 9:40 am **Session 1: Biomedical and Healthcare Applications**  
**Talk 1:** Silk Scaffolds and Protein Nanocages for Healthcare Applications  
Prof. Neil R. Thomas, University of Nottingham, UK  
**Talk 2:** Imipenem Loaded Chitosan based Nano-Constructs: A New Paradigm to Cure Multidrug Resistant Clinical Isolates  
Bushra Jamil. National University of Medical Sciences, Rawalpindi, PAKISTAN
- 11:10 am Coffee Break
- 11:30 am **Session 2: Nano-Optoelectronics**  
**Talk 3:** ZnO Micro/Nanostructures Based Ultraviolet Photodetectors  
Prof. Xiaosheng Fang, Fudan University, P. R. CHINA
- 12:15 pm Lunch
- 1:15 pm **Talk 4:** Plasmonic Semiconductor Nanocrystals as Intrinsically Multifunctional Materials  
Prof. Pavel V. Radovanovic, University of Waterloo, CANADA  
**Talk 5:** Self-Assembly of NanoStructures for Fabrication of AntiReflective Surfaces  
Dr. Parvaneh Mokarian, Trinity College, Dublin, IRELAND
- 2:50 pm Coffee Break
- 3:10 pm **Session 3: Synthesis and Processing**  
**Talk 6:** Fabrication of Hollow Nanostructures: CNT Forests and Spherical Semiconductors  
Prof. Klara Hernadi, University of Szeged, HUNGARY
- 4:00 pm **Session 4: Nanomagnetism**  
**Talk 7:** Modification of Magnetic Properties in Nanomagnetic Materials Through Metal Particles  
Dr. Yukiko Yasukawa, Chiba Institute of Technology, JAPAN
- 4:50 pm Networking
- 5:20 pm Closing