Recent progress in some different nanostructures and nanocomposites for electrochemical applications and energy harvesting

I will present recent results from us regarding growth, characterization and applications of different semiconducting and polymer nanostructures and nanocomposites. I will illustrate their potential applications on some different electrochemical applications such as chemical sensors, photodegradations of dyes, antibacterial applications, and different energy harvesting applications. I will do this for the nanostructures and nanocomposites on both flexible and solid substrates.

Biography:
Magnus Willander, who is a professor in Linköping University, Sweden and in Chinese Academy of Science, Beijing, BINN, is and has been active in the fundamental and applied research in physics and chemistry. In these areas he has published around 1000 scientific articles. He has done several pioneering works on semiconductor and polymer devices and in nanotechnology.