

IC DESIGN SEMINAR

Model Driven Development of applications for IoT

By Dr Himadri Sekhar Paul, TCS Innovation Lab

When: Friday, 12 December 2014, 2:00 – 4:00 PM

**Where: Executive Seminar Room (EEE), Block S2.2, S2.2-B2-53
([see attached map](#)), South Spine, NTU**

Abstract:

The current global emphasis on “Internet of Things (IoT)” have highlighted the extreme importance of sensor-based intelligent and ubiquitous systems which are more commonly known as “cyber-physical systems.” The technology has the potential to create a network of smart devices and things to an extent that has never been envisaged before, far outnumbering the number of devices connected in the Internet as we know today. Both academia and industry envision IoT as a technology which will change the way people live. Most of the IoT applications will be personalized, so as to cater for need and requirement of individuals. However, there are several stakeholder in the development of such an application, and they come from very diverse fields. This makes development effort hugely complex and difficult to manage. The researchers at TCS innovation Lab is working towards developing a platform which will integrate knowledge of the stakeholder and create a end-to-end solution, from design to deployment, for IoT application developer. This talk presents a vision of such a platform and TCS's approach towards it.

Biography:



Dr. Himadri Sekhar Paul is working as a Senior Scientist at TCS Innovation Labs, Kolkata. Dr. Paul completed his Bachelor of Engineering from Jadavpur University in 1996, Master of Technology from IIT Kanpur in 1998 and PhD from IIT Kharagpur in 2004 all in Computer Science and Engineering. He has worked in reputed industry houses like Silicon Automation Systems and Interra Systems India Pvt. Ltd. He has also worked as Assistant Professor in Computer Science and Engineering at IIT Guwahati. Dr. Paul has widely published in the areas of distributed systems, fault tolerance, cloud computing and Internet of Things (IoT). His current research interests are cloud computing and distributed analytics in IoT.

Executive Seminar Room (EEE)

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