

Industrial Experts Talk on Next Generation Technologies: Challenges and Opportunities

27th January 2018, Community Centre, IIT Bhubaneswar

The objective of Techtalk programme is to provide insights into *Sensor Signal Informatics and Machine Learning, Embedded System and Robotics, and Network Infrastructure*. This programme provides a unique **Live Industry-Institute Interactive Session** where students and industry experts can interact and share their knowledge and experiences for highlighting key design challenges and research opportunities in next generation technologies and solutions.

Title: "*Industrial Experts Talk on Next Generation Technologies: Challenges and Opportunities*"

Date: 27th January 2018

Venue: Community Centre, IIT Bhubaneswar

Techtalk Programme Schedule

9.00-9.20 AM: Inaugural Session and Keynote Address by Prof. R. V. Rajakumar

9:20-9:30: Introduction to TCS research with focus in *Embedded System and Robotics*

9.30-10.15 AM: **Embedded Sensors and Soft Sensing** - by Dr. Arpan Pal

10.15-10.30 AM: Discussion on Embedded Sensors and Soft Sensing- Challenges and Opportunities

10.30-11.15 AM: **Sensor Signal Informatics** by Dr. Arpan Pal

11.15-11.30 AM: Discussion on Sensor Signal Informatics- Challenges and Opportunities

11:30-11:45 –Break

11-45: 12.45 PM: **Machine Vision** by Dr. Balamurali

12.45-1.00 PM: Discussion on Machine Vision- Challenges and Opportunities

1.00-2.00 PM: Lunch

2.00 - 2.45 PM: **Ground and Aerial Robotic Systems** by Dr. Pal / Dr. Balamurali

2:45-3:30 PM: Discussion on Ground and Aerial Robotic Systems - Challenges and Opportunities

3.30 -4.00 PM: **Network Infrastructure for Robotics** by Dr. Hemant Kumar Rath

4:00-4:15 PM: Discussion on Robotics Network Infrastructure - Challenges and Opportunities

4.15-5.00 PM: Industrial Experts and Student Interaction

Invited Speakers

Dr. Arpan Pal, Principal Scientist, TCS Research and Innovation

Dr. P. Balamuralidhar, Principal Scientist, TCS Research and Innovation

Dr. Hemant Kumar Rath, Senior Scientist, TCS Research and Innovation

The emphasis of the programme is to bridge the gap between industry and academia and to explore the opportunities for **project collaboration and internships** in industries.