



# PSG COLLEGE OF TECHNOLOGY, COIMBATORE - 641004

## Department of Robotics & Automation Engineering

Second International Conference on

## Advancements in Automation, Robotics and Sensing

### ICAARS 2018

14 - 15 December 2018



<b>14 December 2018 (Friday)</b>			
08.30 - 09.15	Registration		
09.00 - 09.20	Stall Opening by <i>Mr. Marc Jarrault, MD, LAPP India &amp; Shri. L. Gopalakrishnan, Managing Trustee, PSG &amp; Sons' Charities</i>		
09.20 - 11.00	<b>Inaugural Session</b> <i>Mr. Santosh K Misra, IAS, CEO- Tamil Nadu e- Governance Agency</i> <i>Mr. Marc Jarrault, MD, LAPP India</i> <i>Dr. Richard Voyles, Professor, Purdue University, USA</i> <i>Mr. R. Krishnamoorthy, General Manager, L&amp;T Technology Services</i> <i>Dr. R. Rudramoorthy, Principal, PSGCT</i>		
11.00 - 11.15	Refreshments		
11.15 - 12.00	<b>Plenary Talk - 1</b>	<i>Dr. Richard Voyles, Purdue University, USA</i>	
12.00 - 12.30	<b>Plenary Talk - 2</b>	Industrial Drives for Automation <i>Mr. Paresh Oza, Director, India Design Centre, Danfoss India Ltd.</i>	
12.30 - 13.00	<b>Plenary Talk - 3</b>	Needleless Measurements at the Human-Body Skin Systems: The Future, <i>Dr. Balan Pillai, Stanford University, USA</i>	
13.00 - 13.45	Lunch		
13.45 - 14.45	Paper Presentation: Session 1A	Session 1B	Session 1C
14.45 - 15.00	Tea Break		
15.00 - 15.30	<b>Plenary Talk - 4</b>	Manipulators in Service Robotics and Advances in Robotics <i>Mr. Nassif Seif, Kinova Robotics, Canada</i>	
15.30 - 16.00	<b>Plenary Talk - 5</b>	Security Issues in Industry 4.0 <i>Dr. Dirk Fröhling, Westfälische, Germany</i>	
16.15 - 17.15	Paper Presentation: Session 2A	Session 2B	Session 2C
17.15 - 18.30	Refreshments		
18.30 - 19.30	Entertainment		
19.30 - 20.30	Dinner		
<b>15 December 2018 (Saturday)</b>			
09.00 - 10.00	<b>Plenary Talk - 6</b>	Digital Labour - Redefining the Dignity of Being Human <i>Dr. Prahlad Vadekkat, NUS, Singapore</i>	
10.00 - 11.00	Paper Presentation: Session 3A	Session 3B	Session 3C
11.00 - 11.15	Refreshments		
11.15 - 11.45	<b>Plenary Talk - 7</b>	Computer Vision Computation- Engineering Challenges and Research Needs <i>Mr. Sainarayanan Gopalakrishnan, DGM, HCL Technologies Ltd.</i>	
11.45-12.15	<b>Plenary Talk - 8</b>	Intelligent Robotics <i>Mr. Santosh Shukla, Research Scientist, Intel Robotics and AI division</i>	
12.15- 12.45	<b>Plenary Talk - 9</b>	Marine Autonomous Systems Research and Opportunities <i>Mr. Satish Ramachandran, Co-Founder, Arobot, Chennai</i>	
12.45 - 13.45	Paper Presentation: Session 4A	Session 4B	Session 4C
13.15 - 14.00	Lunch		
14.00 -14.30	<b>Plenary Talk - 10</b>	Prediction and Classification of Fatigue Induced Hand Tremor in Robotic Surgical Systems: <i>Dr. Asokan Thondiyath, IIT Madras</i>	
14.30 -15.00	<b>Plenary Talk - 11</b>	Deep Neural Networks for Traffic Sign Recognition <i>Dr. Jürgen Dunker, University of Westfälische, Germany</i>	
15.00 - 15.30	<b>Plenary Talk - 12</b>	<i>Mr. R. Vivekanandah,</i> <i>Director &amp; CEO, Titan Engineering and Automation Ltd.</i>	
15.30 -16.00	<b>Plenary Talk - 13</b>	Cobots and Industry 4.0 <i>Mr. K M Sougandh, Commercial Manager- South Asia, Universal Robots</i>	
16.00 - 16.30	Refreshments		
16.30 - 17.15	Panel Discussion & Feedback		