

ICARA 2020

INTERNATIONAL CONFERENCE ON
**AI, ROBOTICS AND
AUTOMATION**

Day 1 : 14 October 2020 (Wednesday)

TIME (in IST)

AGENDA

GTF 2020 Inaugural Session

Opening Address

09:30 am - 09:45 am

Thiru Lakshmi Narayanan

Chairman, ICT Academy & Emeritus Vice Chairman, Cognizant

Special Address

09:45 am - 10:00 am

Thiru Hans Raj Verma IAS

Additional Chief Secretary - IT Department, Government of Tamil Nadu, India

Chief Guest Address

10:00 am - 10:30 am

Thiru R B Udhayakumar

Hon'ble Minister for Revenue, Disaster Management & Information Technology
Government of Tamil Nadu, India

Vote of Thanks

10:30 am - 10:40 am

M Sivakumar

Chief Executive Officer, ICT Academy

Technical Keynote Session

10:40 am - 11:15 am

The Battle for Data Science

Prof Jeffrey D Ullman, Professor (Emeritus), Computer Science, Stanford University, United States

Tutorial Session I

Reinforcement Learning for Autonomous Systems using MATLAB

Dr Dhruv Chandel - Engineer, Education Team, Mathworks

Naga Chakrapani Pemmaraju - Senior Application Engineer, Mathworks

Tutorial Session II

Building RPA Bots with Automation Anywhere Enterprise A2019

11:20 am - 01:30 pm

Pramod Agrawal - Vice President & Regional CTO, Automation Anywhere

Arjun S Meda - Senior Developer Evangelist, Automation Anywhere

Tutorial Session III

Explore limitless possibilities with Generative Design using Autodesk Fusion 360

Dr Ramesh Pudale - Program Manager, Autodesk Education Experiences

Anand Pujari - Account Manager, Autodesk Education Experiences

Badari Hiriyur - Education Program Specialist, Autodesk Education Experiences

Technical Paper Presentation

01:45 pm - 03:45 pm

Track 1a: **AI in Healthcare** Track 2a: **Data Analytics** Track 3a: **NLP, Imaging and Computer Vision**

03:50 pm - 05:20 pm

Track 1b: **AI in Healthcare** Track 2b: **Data Analytics** Track 3b: **NLP, Imaging and Computer Vision
Security & Automation**

Evening Keynote Session

05:30 pm - 06:00 pm

AI in Engineering Education, Research and Industry

Dr Tanya Morton, Director of APAC and EMEA Customer Success Engineering, Mathworks

06:00 pm - 06:30 pm

Treating Neurodegenerative Diseases: A Neuronal Networks Decoding Approach

Prof Mufti Mahmud, Senior Lecturer, Computing & Technology, Nottingham Trent University, UK

06:30 pm - 07:00 pm

**The Evolution of Design, how AI, ML and Robotics are changing the design processes in the
Design, Manufacturing & Construction Industries**

Nikhil Bagalkotkar, India Technical Head & Strategy, Autodesk




ICSCES 2020
INTERNATIONAL CONFERENCE ON
SIGNALS, COMMUNICATION
AND EMBEDDED SYSTEMS

Day 2 : 15 October 2020 (Thursday)

TIME (in IST)

AGENDA

Opening Keynote Session

09:25 am – 09:45 am **Prof K K Aggarwal**
Chairman, National Board of Accreditation, Government of India

09:45 am – 10:00 am **Chocko Valliappa**
Vice Chairman & Trustee, Sona Group of Institutions, Salem, India

Technical Keynote Session

10:00 am – 10:40 am **What should 6G be?**
Prof Mohamed-Slim Alouini, Professor, Electrical and Computer Engineering, King Abdullah University of Science and Technology, Saudi Arabia

10:40 am – 11:15 am **Blockchain for Cyber Physical Systems**
Prof Salil Kanhere, Professor, School of Computer Science & Engineering, The University of New South Wales, Australia

Technical Paper Presentation

09:30 am – 11:15 am Track 1d: **AI in Healthcare and Industrial Applications in AI** (Audi 1) Track 2d: **Data Analytics** (Audi 2)

Tutorial Session I (Audi 1)

Challenges and Solutions for Flight Duration Enhancement in UAV-enabled Wireless Networks: A Stochastic Geometry Perspective

Prof Mohamed-Slim Alouini - Professor, Electrical and Computer Engineering, King Abdullah University of Science and Technology, Saudi Arabia

Dr Mustafa Kishk - Postdoctoral Research Fellow, King Abdullah University of Science and Technology, Saudi Arabia

11:20 am – 01:45 pm

Tutorial Session II (Audi 2)

Oracle Cloud: Setting up Web Server

Bindu Nanjundaswamy - India Business Unit Head – Linux Support Delivery, Oracle

Shishir Laxminarayan - Oracle

Dhiren Dutta - Senior Technical Support Engineer, Oracle

Technical Paper Presentation

11:20 am – 01:30 pm Track 1e: **Industrial Applications in AI** (Audi 3)

01:45 pm – 03:45 pm Track 1a: **Bio-Medical Imaging & Video Processing** (Audi 1) Track 2a: **Communication Systems** (Audi 2) Track 3a: **Wireless Communications & Networks** (Audi 3)

03:50 pm – 05:20 pm Track 1b: **Bio-Medical Imaging & Video Processing** (Audi 1) Track 2b: **Embedded Systems & its Applications** (Audi 2) Track 3b: **Embedded Systems & its Applications** (Audi 3)

05:30 pm – 07:00 pm Track 1c: **Bio-Medical Imaging & Video Processing** (Audi 1) Track 2c: **Signals and its Applications** (Audi 2) Track 3c: **Wireless Communications & Networks** (Audi 3)



ICSEHV 2020

INTERNATIONAL CONFERENCE ON
ADVANCES IN SENSORS, ENERGY
AND HYBRID VEHICLES

Day 3 : 16 October 2020 (Friday)

TIME (in IST)

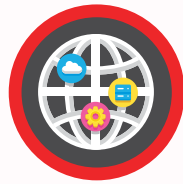
AGENDA

	<i>Opening Keynote Session</i>	
09:30 am – 10:00 am	Dr Rajendra Kumar IAS Additional Secretary, Ministry of Electronics and IT (MeitY), Government of India	
10:00 am – 10:30 am	Prof M P Poonia Vice Chairman, AICTE, India	
10:30 am – 10:50 am	Kiran Jacob Industry Process Consultant - Dassault Systemes India Pvt Ltd	
10:50 am – 11:10 am	Thiru M Vijayakumar IAS Managing Director, Electronics Corporation of Tamil Nadu Limited, Government of Tamil Nadu, India	

	<i>Tutorial Session I (Audi 1)</i>	
	Modeling & Simulation of Electrical Systems using MATLAB & Simulink Dr Debanand Singdeo - Technical Education Evangelist, Mathworks Ramana Anchuri - Education Technical Evangelist, Mathworks	
11:20 am – 01:45 pm	<i>Tutorial Session II (Audi 2)</i>	
	Virtualization 101 Shivaprasad Adampalli Venkateshappa, Staff Engineer, Vmware Ranjani Swaminathan, Senior Technical Staff, Vmware Ramya Victor, Senior Technical Staff, Vmware	

	<i>Technical Paper Presentation</i>	
01:45 pm – 03:45 pm	Track 1a: Industrial Energy Systems <i>(Audi 1)</i>	Track 2a: Sensors & Applications <i>(Audi 2)</i>
03:50 pm – 05:20 pm	Track 1b: Industrial Energy Systems <i>(Audi 1)</i>	Track 2b: Hybrid Control for Autonomous Vehicle <i>(Audi 2)</i>

	<i>Evening Keynote Session</i>	
05:30 pm – 06:15 pm	Metal Oxides Nanostructures for Chemical Sensing Prof Elisabetta Comini, Professor of Physics, Director - Sensor Laboratory, University of Brescia, Italy	
06:15 pm – 07:00 pm	Recent Directions in Multidisciplinary Engineering Research and Education Prof Tarek Sobh, Provost, Professor of Electrical and Computer Engineering, Lawrence Technological University, United States	



ICIHPE 2020

INTERNATIONAL CONFERENCE ON
**ADVANCES IN IOT, HIGH
PERFORMANCE AND
EDGE COMPUTING**

Day 4 : 17 October 2020 (Saturday)

TIME (in IST)

AGENDA

	<i>Opening Keynote Session</i>
09:30 am – 10:05 am	The Impact of Cloud in Research Pete Winn, Senior Research Advocate, Oracle, Australia
10:05 am – 10:40 am	AI and IoT for Digital Health Prof Bjoern W Schuller, Professor of AI, Department of Computing, Imperial College London, UK
10:40 am – 11:15 am	Neoteric Frontiers in Cloud and Edge Computing Prof Rajkumar Buyya, Redmond Barry Distinguished Professor, University of Melbourne, Australia

	<i>Tutorial Session I (Audi 1)</i>
	5G-IoT Architecture Subodh Gajare - Lead Architect, CISCO
11:20 am – 01:45 pm	<i>Tutorial Session II (Audi 2)</i>
	Oracle Cloud : Provisioning Linux OS Bindu Nanjundaswamy - India Business Unit Head – Linux Support Delivery, Oracle Rajendra Raghuvanshi - Technical System Analyst, Oracle Chandana Ramakrishna - Oracle

	<i>Technical Paper Presentation</i>		
01:45 pm – 03:45 pm	Track 1a: IoT Techniques and Applications (Audi 1)	Track 2a: IoT Techniques and Applications (Audi 2)	Track 3a: Edge and Cloud Computing (Audi 3)
03:45 pm – 05:20 pm	Track 1b: IoT Techniques and Applications (Audi 1)	Track 2b: IoT Techniques and Applications (Audi 2)	Track 3b: Cloud Computing Security (Audi 3)

	<i>Evening Keynote Session I</i>
	R Ramanan Mission Director – Atal Innovation Mission, NITI AAYOG, Government of India
	Demetri Terzopoulos Distinguished Professor and Chancellor's Professor of Computer Science, University of California
	<i>Evening Keynote Session II</i>
05:30 pm – 07:30 pm	Sunita Sanghi Senior Advisor, Ministry of Skill Development & Entrepreneurship, Government of India
	Tmt P Ramana Saraswathi, IAS Joint Director of e-Governance and Joint CEO, TNEGA, Government of Tamil Nadu
	Dr Christian Hirst Head - Political and Economic Sections, Australian High Commission, New Delhi
	H E Mohamed Maliki Ambassador of His Majesty the King of Morocco to the Republic of India



GTF 2020 - Closing Ceremony

Day 5 : 18 October 2020 (Sunday)

TIME (in IST)

AGENDA

POWER PANEL DISCUSSION - THE ROLE OF ACADEMIA IN FUTURE OF RESEARCH

This exclusive power panel will drive discussions and deliberations on the title "**The Role of Academia in Future of Research**" and which shall bring in the perspectives in the following areas:

- Changing Role of Academia in Research
- The Future of Research
- Academia Collaboration in Industrial Research

10:00 am – 11:30 am

Prof M K Surappa

Vice Chancellor, Anna university, India

Dr Karisiddappa

Vice Chancellor, Visvesvaraya Technological University, India

Haridas Menon U

Head - HR, TCS Research & Org. Infra.

Dr Anbu Rathinavel

Chief Design Officer, Intellect Design Arena Ltd

Dr G Sainarayanan

General Manager, HCL Technologies Ltd

11:30 am - 11:45 am

Best Paper Recognition Ceremony

11:45 am - 12:10 pm

Vote of Thanks

Dr B Anbuthambi

President, ICT Academy