



IEEE NSUT



# INDICON 2020

## BROCHURE

उपराज्यपाल  
दिल्ली  
LIEUTENANT GOVERNOR  
DELHI



राज निवास  
दिल्ली-११००५४  
RAJ NIWAS  
DELHI-110054

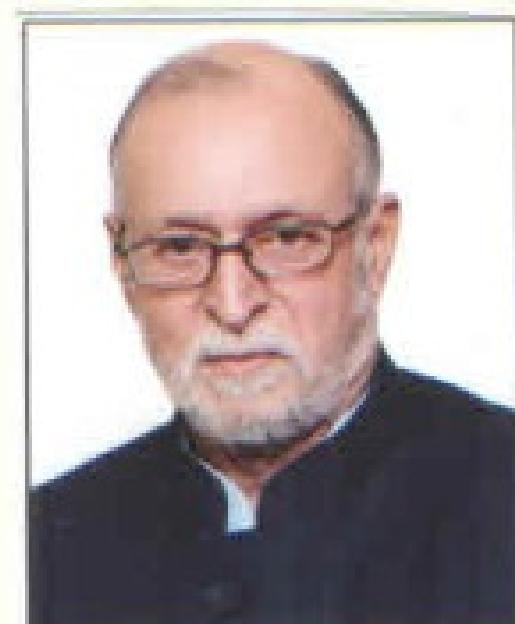
## MESSAGE

It is heartening to know that International Conference INDICON 2020, the flagship annual conference is being hosted by IEEE Delhi Section at Netaji Subhas University of Technology (NSUT) with a theme of utmost relevance: "Technology Intervention to Build Future-Ready Society."

In the present times, design and implementation of innovative technologies in various fields is the key to enhancing the competitiveness and accelerating the progress of any nation . I am certain that the event would provide a vibrant platform to young researchers, business delegates and talented students both from India and abroad to showcase , deliberate upon and gain insights into recent research and new cutting edge technologies across various sectors .

I extend my best wishes to the organizing committee for the success of this event.

( Anil Baijal )



Hon'ble Lt. Governor has approved  
Ajay Kumar  
(Addl. Secretary to Lt. G)

**ARVIND KEJRIWAL**  
CHIEF MINISTER



GOVT. OF NATIONAL CAPITAL TERRITORY OF DELHI  
DELHI SECRETARIAT, I.P. ESTATE, NEW DELHI-110002  
PHONE : 23392020, 23392030

D.O. No.: OSD CMI [44]  
Date: 04/12/2020

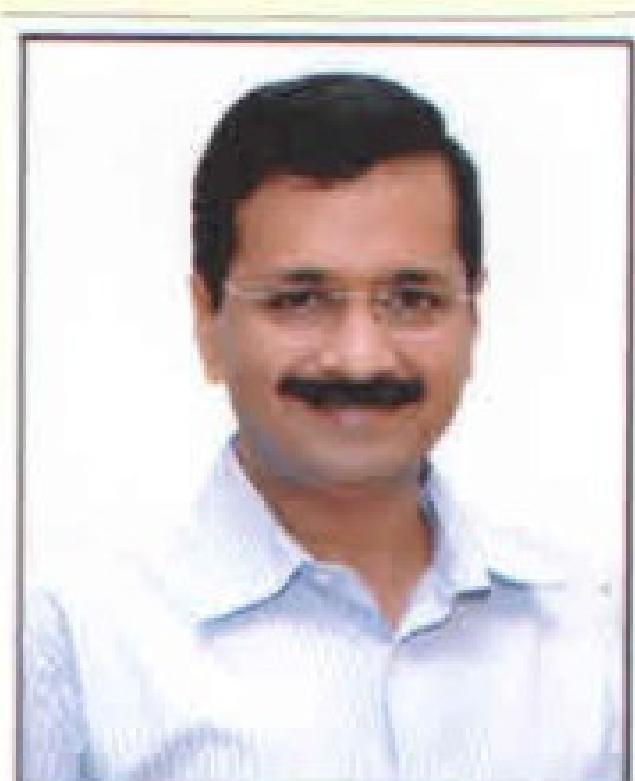
### **MESSAGE**

It gives me immense pleasure to learn that **INDICON 2020**, the flagship annual conference of the IEEE India Council is being hosted by IEEE Delhi Section at Netaji Subhas University of Technology, Dwarka, New Delhi from 10 -13 December, 2020.

Institute of Electrical and Electronics Engineers (IEEE) Delhi plays an important role in using research towards its goal of "Advancing technology for the benefit of humanity." Innovation is an important ingredient for sustainable success, and it is fueled by research and development. Conferences like INDICON are important for new research to sprout and benefit our country.

I take this opportunity to congratulate the organizing committee alongwith the volunteers for taking up this initiative for technological advancements.

I extend my best wishes for the entire endeavor.



**(ARVIND KEJRIWAL)**

A handwritten signature in black ink, appearing to read 'Arvind Kejriwal', written over a stylized blue checkmark or signature mark.

**MANISH SISODIA**

**मनीष सिसोदिया**



**DEPUTY CHIEF MINISTER**

GOVT. OF NCT OF DELHI

**उप मुख्यमंत्री, दिल्ली सरकार**

DELHI SECTT, I.P. ESTATE,

**दिल्ली सचिवालय, आई०पी०एस्टेट,**  
NEW DELHI-110002

**नई दिल्ली-110002**

Email: msisodia.delhi@gov.in

D.O. No.: Dy.CM/2020/111

Date : 24/11/2020

### **MESSAGE**

With so many young and fresh minds in our country, each must have a platform to prove themselves. IEEE is the one organization which provides such extraordinary opportunities.

It gives me immense pleasure to know that the 17<sup>th</sup> India Council International Conference (INDICON 2020) will be held at Netaji Subhas University of Technology (NSUT). It is an exemplary occasion for academicians, Industry experts and researchers. The fact that the exhibition of innovation and learning will be on an international platform despite such challenging times is definitely a great feat.

I would also like to congratulate the team at NSUT and IEEE Delhi Section for organizing this prestigious conference.

A handwritten signature in black ink, which appears to read "Manish".

(MANISH SISODIA)

**H. RAJESH PRASAD  
IAS**



प्रधान सचिव ( शिक्षा/प्रशिक्षण व तकनीकी शिक्षा/ उच्च शिक्षा )  
राष्ट्रीय राजधानी क्षेत्र  
दिल्ली सरकार  
पुस्तकालय, दिल्ली-110054  
दूरभाष: 23890187 टेलीफैक्स : 23890119  
Pr. Secretary (Education/TTE/ HE)  
Government of National Capital Territory of Delhi  
Old Secretariat, Delhi-110054  
Phone : 23890187, Telefax : 23890119  
E-mail : [secyedu@nic.in](mailto:secyedu@nic.in)

### Message

I am absolutely glad to hear that Netaji Subhas University of Technology is going to host the flagship event of IEEE Council, the 17<sup>th</sup> edition of India Council International Conference (INDICON) for the first virtual edition ever.

It is delightful to see bright researchers completely submerged in the process of persistently working on pressing problems and paving a path to lay a foundation to encourage, extensive study in technology and promoting research for national development.

I extend my best wishes to the Organizing Committee and put my firm assurance in the fact that who is a part of this conference has the privilege of being immersed in this process.

A handwritten signature in black ink, appearing to read "Rajesh Prasad".

(H Rajesh Prasad)

# Message



I would like to congratulate the Netaji Subhas University of Technology and the IEEE Delhi Section for organizing IEEE INDICON 2020, the flagship conference of the IEEE India Council.

In this year of unprecedented challenge and uncertainty, I've had the remarkable opportunity to witness IEEE's mission—advancing technology for the benefit of humanity—in action by our members, who are making significant improvements throughout society. That, in my opinion, is one of the primary benefits of being part of a global community such as IEEE.

Together, IEEE members have changed our world—and we will continue do so every day. A future of promise and possibility lies ahead for IEEE. We need to continue to work together to build that future.

**– Prof. Toshio Fukuda**  
2020 IEEE President &  
CEO

# Message



I would like to acknowledge the efforts of the Netaji Subhas University of Technology and the IEEE Delhi Section, the organizers of IDICON 2020, for successful hosting an event of this scale in these difficult times.

Pivoting to a virtual platform allows attendees an opportunity to connect and collaborate from around the world.

It is incredibly important to have a range of researchers, technologists, and engineers from industry, academia, and government working together, across diverse disciplines, with different perspectives and unique ideas, to discuss opportunities for advancements

IEEE is at its best when we bring together the totality of our offerings to solve the problems facing humanity.

**– Susan K. (Kathy) Land**  
2020 IEEE President Elect

# Message



It is my great pleasure to know about the prestigious 17th India Council International Conference (INDICON 2020) conceptualized by IEEE India Council and organized by IEEE Delhi Section.

This Conference will give a functioning stage to investigate researchers, architects, and professionals all through the world to introduce their most recent discoveries, thoughts, and applications in the fields of revenue that fall under the extent of IEEE.

It will be held at NSUT Delhi, in December 2020, and as the IEEE Region 10 Director, I would like to deeply appreciate the efforts put forth by the organizing committee to adapt to these new circumstances and host the conference in all its glory.

**– Prof. Akinori Nishihara**  
Director, IEEE Region 10



**Deepak Mathur**  
Director - Elect 2019-2020  
IEEE Region 10 (Asia Pacific)

19 November 2020

It is my great pleasure and honour to be part of IEEE India Council's flagship conference INDICON 2020, which is being hosted by IEEE Delhi Section at the Netaji Subhas University of Technology, New Delhi from 11-13 December 2020.

The theme of INIDICON 2020 is '**Technology Intervention to Build Future-Ready Society**', which is well thought and very relevant in present scenario. I am sure that the conference will serve as an excellent platform for research scientists, engineers, and practitioners to present their latest research findings, ideas, and applications in the fields of interest that fall under the scope of IEEE.

I hope, INDICON 2020 will put all efforts to bring Academia and Industries closer so that industries get benefit from the works of researchers.

I congratulate all associated with the INDICON 2020 for their untiring efforts in organizing this Conference in a very challenging time and wish the Conference all success.

A handwritten signature in blue ink that reads "Deepak Mathur".

**Deepak Mathur**



## MESSAGE

*The 17th India Council International Conference (INDICON 2020) will be held at NSUT Delhi, during 17-19, December 2020 (in blended mode) and as the IEEE India Council Chair, it is my pleasure to welcome you all to this flagship conference of IEEE India Council, hosted by IEEE Delhi Section. On behalf of the Organizing Committee, it is a great honor to host this meet at Netaji Subhas University of Technology Delhi.*

*Being a premier IEEE India Council conference, held annually, it is an excellent forum for the researchers and students to exchange innovative ideas and solutions in emerging areas of electrical engineering, electronics engineering, computers science and related fields. In this event, the representatives from Technical Institutions and Industries of India are expected to deliberate and share their knowledge and experience in the various emerging technological trends and innovations. The attendees at the end of this event, I am sure, would walk away with added value to their lives and research career.*

*I would like to extend my best wishes for the success of the event in achieving its objective.*

*Looking forward to meeting everyone at the conference.*

A handwritten signature in black ink, appearing to read "Dr. S.N. Singh".

**(Prof. S.N. Singh)**  
Chair, IEEE India Council

# Message



Much of what will happen in the future is inevitable, driven by technological trends that are already in motion. I am deeply excited to understand about the plans and preparations on INDICON 2020 under IEEE Delhi Section.

I would like to commend the efforts of IEEE Delhi Section and IEEE India Council towards organizing the 17th India Council International Conference (INDICON 2020) which is to be held in December 2020 at NSUT Delhi. Even with the pandemic at the background, the organising team is committed to deliver the objectives of a conference. The theme for INDICON 2020 is extremely relevant: “Technology Intervention to Build Future-Ready Society”. “Advancing Technology towards humanity” being the tag line of IEEE, the theme aptly fits into the need of the hour.

I congratulate everyone associated with this conference and my best wishes towards a successful conduct of INDICON 2020.

**– Dr K. R. Suresh Nair**

Chair-Elect  
IEEE India Council



JADAVPUR UNIVERSITY

KOLKATA-700 032, INDIA

**Dr. Sivaji Chakravorti, Professor**

DEPARTMENT OF ELECTRICAL ENGINEERING

**Phone: +91 33 2414 6948**

**Email: schakravorti.electrical@jadavpuruniversity.in // s\_chakravorti@ieee.org**

## MESSAGE

It gives me immense pleasure to note that IEEE Delhi Section is organizing the 17<sup>th</sup> India Council International Conference (INDICON 2020) at Netaji Subhas University of Technology from 10<sup>th</sup> to 13<sup>th</sup> December 2020 based on the theme “Technology Intervention to Build Future-Ready Society”. INDICON is the flagship annual international conference of IEEE India Council, which is the umbrella organization that coordinates IEEE activities in India.

With the ever-changing technologies, there is a pressing need for futuristic vision and proactive initiatives. Here, an organization like IEEE has a crucial role to play in assisting technocrats to be future ready. The three key factors in building the future ready society are updating people involved in the field of engineering and technology on various technology innovations, specialized approach for managing tech-driven workforce and collaboration between academia and industry.

I am sure that INDICON 2020 with very focused theme will evoke lots of interest in each and every one of the participants, which will invigorate their skills and talents to work for a better tomorrow. INDICON 2020 would go a long way in strengthening the bond between the academia and the professionals for facilitating mutually beneficial, sustainable and fruitful interactions.

On behalf of IEEE India Council and also my personal behalf I take this opportunity to convey my deep appreciation for the sustained activities of the entire organizing team of INDICON 2020 in the backdrop of the pandemic, which are great value additions to IEEE activities in India. I look forward to see INDICON to reach greater height in 2020.

Take care.

**Sivaji Chakravorti**

**Immediate Past Chair, IEEE India Council**

Date: 20 Nov 2020



# नेताजी सुभाष प्रौद्योगिकी विश्वविद्यालय

## NETAJI SUBHAS UNIVERSITY OF TECHNOLOGY

A STATE UNIVERSITY UNDER DELHI ACT 06 of 2018, GOVT. OF NCT OF DELHI  
(Formerly Netaji Subhas Institute of Technology)  
Azad Hind Fauj Marg, Sector-3, Dwarka, New Delhi-110078  
Telephone: +91-11-25099023 Email: vc@nsut.ac.in Website: www.nsut.ac.in

Prof. Jai Prakash Saini

Vice Chancellor

Dated: 1<sup>st</sup> December, 2020

### MESSAGE

The power of sharing knowledge is one of the greatest assets known to human beings. Institute of Electrical and Electronics Engineers (IEEE) is one organization which truly understands the meaning of technology and how important it is to expand it.

It gives me immense pride and gratification to be the Vice Chancellor to host the 17th India Council International Conference (INDICON 2020) at Netaji Subhas University of Technology (NSUT). The Conference will provide a platform on an international level. We hope this event exhibits innovation and discovery on a greater level.

The Netaji Subhas University of Technology is wholly passionate for the Conference. We welcome all the associates with great expectations. May this exchange of knowledge and research lead to the greater good.



(Prof. Jai Prakash Saini)

# Message



Albert Einstein once said that - "It has become appallingly obvious that our technology has exceeded our humanity." And today we can see that technology is making history.

IEEE is one of the largest technical professional organizations which is

dedicated to advancing technology with a mission of fostering innovation and excellence. The organization was founded back in 1963 and since then it has played a vital role in inspiring the global community to innovate.

The IEEE India Council International Conference (INDICON) is one of the many brilliant initiatives taken up by this organization. It is an eminent conference which brings great minds together to discuss the advancements in the field of technology and innovation. The first conference was organized by IEEE IIT Kharagpur in 2004.

I would like to appreciate the efforts made by IEEE Delhi and IEEE India council towards organizing INDICON 2020 which is the 17th India Council International Conference being held at Netaji Subhas University of Technology, Delhi in December. The theme for this year "Technology Intervention to Build a FutureReady society" is extremely pertinent today. With COVID-19 taking over the world, technology has proved its importance once again. We need to be equipped to face such challenges in the future and thus technological intervention is a necessity.

I extend my best wishes to everyone associated with this conference with special mention to the organizing committee which is taking up this responsibility of conducting INDICON 2020 successfully.

**- Prof. Bhim Singh**

Patron, INDICON 2020

Dept. of EE, IIT DELHI

# Message



As James Finch rightly said, "The engineer has been, and is, a maker of history." As an organization founded way back on 1st January 1963, IEEE has been at the forefront of innovation from the start. Efficient use of technology for the benefit of mankind is the founding stone of IEEE. With some of the most well-known and greatest minds of the century having been a part of this organization, IEEE has had a significant hand in much of the progress and development the world has gone through to stand where it is today.

And you people, as the young blood, will be responsible for taking the mantle forward and helping this esteemed organization reach new heights in the future. The IEEE India Council International Conference (INDICON) is one of the many initiatives that has been the most prestigious conference conceptualized by IEEE India Council in the field of Computer Science and Engineering and in general. It was metamorphosed from the Annual Convention and Exhibitions (ACE) which was completely restructured in the form of a conference where the India Council would formally meet. It was renamed as INDICON and the first INDICON was organized by IEEE Kharagpur Section at IIT Kharagpur during 20-22 December 2004.

I would like to commend the efforts of IEEE Delhi Section and IEEE India Council towards organizing the 17th India Council International Conference (INDICON 2020) which is being held at NSUT Delhi. The theme for INDICON 2020 is extremely relevant: "Technology Intervention to Build Future-Ready Society". I congratulate everyone associated with this conference and give my best wishes towards a successful conduct of INDICON 2020.

**-Prof. Prerna Gaur**

General Chair, INDICON 2020

Chairperson, IEEE NSUT

# **ABOUT INDICON**

IEEE India Council is the umbrella organisation which coordinates IEEE activities in India. Its primary aim is to assist and coordinate the activities of local “Sections”, in order to benefit mutually, and avoid duplication of effort and resources. IEEE India Council was established on 20th May 1976 and is one of the five councils in the Asia Pacific Region.

INDICON is the flagship annual international conference of the IEEE India Council. With plenary sessions, keynote addresses by reputed academicians, tutorials, workshops, Student Paper contests, industry exhibits and stalls and most importantly, high quality presentations from the best of the researchers in India.

INDICON has been the most prestigious conference conceptualized by IEEE India Council in the field of Computer Science and Engineering, Electrical Engineering & Electronics and Communication Engineering, in general. This has been a metamorphic version of the Annual Convention and Exhibitions (ACE) which was the annual meeting of the IEEE India Council. During ACE2003 it was decided to completely restructure it in form of a conference where the India Council would formally meet also. It was renamed as INDICON and the first INDICON was organized by IEEE Kharagpur Section at IIT Kharagpur during 20-22 Dec 2004. Subsequent INDICON were organized by IEEE Madras Section (11-13 Dec, 2005), IEEE Delhi Section (15-17 Sep, 2006), Bangalore Section (6-8 Sep, 2007), IEEE UP Section (11-13 Dec, 2008), IEEE Gujarat Section (18-20 Dec, 2009), IEEE Calcutta Section (17-19 Dec, 2010), IEEE Hyderabad Section (16-18 Dec, 2011), IEEE Kerala Section (7-9 Dec, 2012), IEEE Bombay Section (13-15 Dec, 2013), IEEE Pune Section ( Dec, 2014), IEEE Delhi Section ( Dec 2015), IEEE Bangalore Section ( Dec 2016), IEEE UP Section(Dec 2017), IEEE Madras Section(16-18th December), IEEE Gujarat (December 13 to 15, 2019)



Over the past few years, INDICON emerged as a well recognized and an eagerly anticipated event in the country because of its high-quality technical sessions and for the networking opportunities it provides.

This year IEEE INDICON 2020 is being organized by the IEEE Delhi Section at Netaji Subhas University of Technology, New Delhi from **11-13 December 2020**.

IEEE-NSUT Student Branch works to create an atmosphere of technical excellence for the students. It aims at helping students in building an attitude towards applying engineering in daily life by learning ways to use the latest technology.

IEEE-NSUT conducts several workshops and engages its members in exciting projects, also provides them with an unparalleled exposure by organizing distinguished events. Throughout the years, IEEE NSUT has consistently produced illustrious professionals, widely recognized and reputed for their contributions to different tech domain.

The University is absolutely honoured to be hosting INDICON 2020.

As we all know, the whole dynamics of the world have changed due to COVID 19. Consequently this led to the decision to cancel the offline event as the most important thing is to protect the health of conference goers and presenters. Hence, in the interest of the research community, it was decided to move the conference online while trying to preserve as much of the real-life experience as possible.

# TRACKS

The Conference aims to provide an active platform for research scientists, engineers, and practitioners throughout the world to present their latest research findings, ideas, and applications in the fields of interest which fall under the scope of IEEE. Prospective authors are invited to submit original research papers (not being considered for publication elsewhere) in standard IEEE conference template describing new theoretical and/or experimental research results in the following tracks (but are not limited to) :



- 01** COMPUTER AND INFORMATION TECHNOLOGY (CIT)
- 02** ELECTRONICS AND NANOTECHNOLOGY (EN)
- 03** POWER AND ENERGY (PE)
- 04** COMMUNICATIONS AND SIGNAL PROCESSING (CSP)
- 05** CONTROL AND INSTRUMENTATION (CI)
- 06** ENGINEERING IN MEDICINE AND BIOLOGY (EMB)
- 07** WOMEN IN ENGINEERING (WIE)
- 08** MV CHAUHAN TRACK

# TUTORIALS



## Dr. C. P. Ravikumar

### Changing role of Semiconductor verification and Test in modern times

Verification, testing and validation have all become challenging as the end applications of semiconductors have changed. The electronic systems have also become more complex. In this tutorial, we will look at the role of verification validation and testing of semiconductors in the modern setting. The tutorial is for students and young professionals who are new to the area of semiconductor test.

## Prof. Dr Jatinderkumar R. Saini

### Natural Language Processing (NLP) for Indian Languages

The talk will consist of introduction to Natural Language Processing (NLP) as well as Computational Linguistics along with the use of deep learning for NLP. Next, after the turing test, the audience will come to know about different types of languages and their condition in the world. This will be followed by Discussion on pre-processing steps in NLP and interesting language projects.



## Dr. Aman Jha

### Electric Vehicles and Smart Semiconductor Lighting

The presentation covers the challenges faced by power designers in designing highly efficient solid-state light technology. A small change in voltage for LED creates a large change in current. The control technique for the same is now well set. The talk also covers the next level of advancement of smart lighting features and internet of things (IoT) application. This tutorial also discusses electric vehicle inverter design using MCU.

# MV CHAUHAN

The M V Chauhan All India Student Paper Contest under the banner of IEEE India Council provides an opportunity for IEEE student members of the nation to present their research ideas at the national level. This year the contest is being held at the prestigious 17th IEEE India Council Conference 2020, a flagship conference of IEEE India Council. This will provide an opportunity for young minds to come together and discuss the latest developments and future directions in the areas of innovation and technology.

The contest is open to IEEE student members (from India) at UG and PG levels only. and the first author must be a student in his/her graduate /undergraduate programme. Papers are open from any of the UG/PG programmes like B.Tech/B.E/ B.Sc/BCA, etc, PG-Students from programmes like M.Tech/M.E/M.Sc/ MCA etc.

The shortlisted student papers under each track will be recommended for the MVC student paper contest and evaluated separately under the PG and UG category during presentations. The Winners under each category will receive a certificate.

{It will commence at 17:30 on 10 DEC}

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## 17<sup>th</sup> IEEE India Council International Conference

### Inauguration Ceremony



CHIEF GUEST

**Dr. K. Radhakrishnan**

Former Chairman, Space Commission/Secretary, Department of Space, ISRO | Former Chairman, Board of Governors, IEST Shibpur

**11<sup>th</sup> December 2020 | 10 AM - 11:30 AM IST**



KEYNOTE  
SPEAKER

**Prof. Toshio Fukuda**

IEEE President | Professor Emeritus in the Department of Micro-Nano Systems Engineering at Nagoya University, Japan



GUEST OF  
HONOR

**Er. Rajeev Sharma**

Former Chair and Managing Director of Power Finance Corporation Limited



# 17<sup>th</sup> IEEE INDICON KEYNOTE SPEAKER

Toshio Fukuda is a professor of mechatronics engineering at Meijo University in Nagoya, Japan. He is also a professor at the Beijing Institute of Technology and professor emeritus at Nagoya University. His research focuses on intelligent robotic systems and micro-nano robotics. He has published more than 2,000 articles in scientific journals, conference proceedings, and reports. As an IEEE Fellow, Toshio was director of IEEE Region 10 in 2013 and 2014 and IEEE Division X director/delegate in 2001 and 2002, and 2017 and 2018. He has served on several IEEE boards and committees. He has also served as the President of the IEEE Robotics and Automation Society in 1988 and 1989.

**Prof. Toshio Fukuda**

IEEE President | Professor Emeritus in Department of Micro-Nano Systems Engineering at Nagoya University, Japan

11<sup>th</sup> December' 2020  
9 - 10 AM (IST)

## 17<sup>th</sup> IEEE India Council International Conference

### Plenary Speakers



**Prof. Lance Fung**

R10 Director Elect



**Prof. Shiban Koul**

Indian Institute of Technology, Delhi



**Dr. Suresh Nair**

Chair Elect, India Council



**Mr. Meenu Singhal**

Vice President, Schneider Electric,  
Greater India Zone



**Prof. Jayadeva**

Indian Institute of Technology, Delhi

**11<sup>th</sup> December 2020 | 12 PM IST ONWARDS**

## 17<sup>th</sup> IEEE India Council International Conference

### Plenary Speakers



**Prof. Bhim Singh**

Indian Institute of Technology, Delhi



**Prof. Preeti Bajaj**

Vice Chancellor, Galgotias University



**Dr. Puneet Mishra**

Scientist ISRO, Secretary IC

**12<sup>th</sup> December 2020 | 9:30 AM IST ONWARDS**

# 17<sup>th</sup> IEEE India Council International Conference

## Plenary Speakers



### Dr. Supavadee Aramvith

Faculty of Engineering, Chulalongkorn University



### Prof. Takako Hashimoto

Director, Institute of Economic Research,  
Chiba University of Commerce



### Prof. Celia Shahnaz

Professor, Department of EEE, Bangladesh  
University of Engineering and Technology

**13<sup>th</sup> December 2020 | 9:30 AM IST ONWARDS**

# **ITINERARY: 11 DECEMBER 2020**

<b>SESSION</b>	<b>TIMING</b>
President IEEE Keynote Speech	09:00-10:00
Inauguration	10:00-11:30
Lamp Lighting	2 min
Ganesh/Saraswati Vandana	5 min
Overview of INDICON 2020 by Prof. Prerna Gaur	5 min
Welcome note by Hon'ble Vice Chancellor, NSUT	5 min
Welcome note by Patron Prof. Bhim Singh	5 min
Welcome note & LTA award declaration by Patron Prof. S. N. Singh	15 min
LTA Award Ceremony	15 min
IEEE President Prof. Toshio Fukuda	10 min
Guest of Honour - Mr. Rajeev Sharma	10 min
Chief Guest K. Radhakrishnan	15 min
Vote of Thanks by Dr. Puneet Mishra	5 min
<b>India Council EXECOM Meeting</b>	<b>14:00-15:00, 12 DEC</b>
<b>India Council Annual General Meeting</b>	<b>15:00-16:00, 12 DEC</b>
<b>Award Ceremony cum Valedictory Function</b>	<b>17:30, 13 DEC</b>

# **DAY 1: 11 DECEMBER 2020 (FRIDAY)**

{10:30 - 11:30 : INUGARATION}

SI. NO.	TIMING	SESSION NO.	DETAILS OF SESSIONS
1.	12:00 - 14:30		with 30-min talk at the beginning
		1	CIT - 01
		2	CIT - 02
		3	PE - 01
		4	PE - 03
		5	EN - 01
		6	CSP - 01
2.	14:45 - 16:45		
		1	CIT - 03
		2	CIT - 04
		3	PE - 03
		4	PE - 04
		5	EN - 02
		6	CSP - 02
3.	17:00 - 19:00		
		1	CIT - 05
		2	PE - 05
		3	EN - 03
		4	CSP - 03
		5	CI - 01
		6	WIE - 01

# DAY 2: 12 DECEMBER 2020 (SATUDAY)

<b>SI. NO.</b>	<b>TIMING</b>	<b>SESSION NO.</b>	<b>DETAILS OF SESSIONS</b>
1.	10:00 - 12:30	with 30-min talk at the beginning	
		1	CIT - 06
		2	CIT - 07
		3	PE - 06
		4	PE - 07
		5	CSP - 04
		6	MVC - {10th Dec}
2.	12:45 - 14:45		
		1	CIT - 08
		2	CIT - 09
		3	PE - 08
		4	PE - 09
		5	EN - 04
		6	CSP - 05
3.	15:00 - 17:00		
		1	CIT - 10
		2	PE - 10
		3	EN - 05
		4	CSP - 06
		5	CI - 02
		6	EMB - 01
4.	17:15 - 19:15		
		1	CIT - 11
		2	PE - 11
		3	EN - 06
		4	CSP - 07
		5	CI - 03
		6	WIE - 02

# **DAY 3: 13 DECEMBER 2020 (SUNDAY)**

<b>SI. NO.</b>	<b>TIMING</b>	<b>SESSION NO.</b>	<b>DETAILS OF SESSIONS</b>
1.	10:00 - 12:30		with 30-min talk at the beginning
		1	CIT - 12
		2	CIT - 13
		3	PE - 12
		4	PE - 13
		5	CI - 04
		6	EMB - 02
2.	12:45 - 14:45		
		1	CIT - 14
		2	PE - 14
		3	CI - 05
		4	EMB - 03
		5	WIE - 03
3.	15:00 - 16:30		
		1	CIT - 15
		2	PE - 15
		3	CI - 06
		4	EMB - 04
4.	17:30 - 18:30		Valedictory Function cum Award Ceremony

# **Award Ceremony cum Valedictory Function:**

**13 DECEMBER 2020 (SUNDAY)**

## **Valedictory Function:**

<b>Concluding Remarks by</b>	
Prof SN Singh	Patron INDICON 2020 - 3min
Prof Bhim Singh	Patron INDICON 2020 - 3min
Prof JP Saini	Chief-Patron INDICON 2020 - 3min
<b>Address by</b>	
Prof Sanjay Kar Chowdury	3 min
Prof Lance Fung	3 min
Prof Akinori Nishihara	5 min
<b>Conclusion Report by:</b> Prof Prerna Gaur (General Chair INDICON 2020)	

The ceremony will commence with a special teaser followed by a special soulful music session performance by a very talented artist. Next will be the main function of the day, the award ceremony.

We will also have an exceptional Shayari session followed by some more special awards.

The elegant night will end with a vote of thanks by the hosts and another awe-inspiring musical performance.

# IEEE India Council Awards 2020

The following Awards Committee was constituted by IC ExCom to discuss & finalise the IC Awards under Outstanding Volunteer Awards (>35 years), Student, YP, WIE Volunteer and Outstanding Student Branch and Emerging Student Branch Awards.

- Prof. Kumar Vaibhav Srivastava, Chair, Awards Committee
- Prof. Preeti Bajaj, Member, Awards Committee.
- Er. Vamshi Krishna, Member, Awards Committee.

After several rounds of deliberation following were unanimously agreed:

## 1. IEEE IC - Outstanding Volunteer (>35 years) Awards

1. Ms. D N Sujatha, Bangalore Section (sujatha\_bms@ieee.org)
2. Mr. Amit Kumar, Hyderabad Section (amitkr@ieee.org)
3. Mr. A. Suhair, Kerala Section (aksuhair@gmail.com)
4. Ms. Nithyavathy N, Madras Section (nithyavathy@ieee.org)
5. Ms. Surekha Deshmukh, Pune Section (d\_surekha@hotmail.com)

## 2. IEEE IC – Outstanding Student Volunteer Awards

1. Mr. Yeshwanth L M, Bangalore Section (yeshwanthpatel99@ieee.org)
2. Mr. Shashank Simha M R, Bangalore Section (shashank.simha@ieee.org)
3. Mr. Chinmay Tompe, Bombay Section (chinmayt@ieee.org)
4. Mr. Virendra Pratap Singh Rathore, Delhi Section (virendra@ieee.org)
5. Ms. Ritika Jain, Delhi Section (ritika.jain18@ieee.org)
6. Mr. Dhruvinsinh Rathod, Gujarat Section (dhruvinsinh12@ieee.org)
7. Mr. Srikanth Gundu, Hyderabad Section (srikanth05@ieee.org)
8. Ms. ANAGHA N, Kerala Section (anaghanittoor@ieee.org)
9. Mr. Shylesh S, Kerala Section (shyleshs@ieee.org)
10. Ms. ANISHKA S, Madras Section (anishkasankar1999@gmail.com)
11. Ms. Aditi Khaire, Pune Section (khaireaditi111@gmail.com)
12. Mr. Vineeth Vijayan, Uttar Pradesh Section (vineeth.phd.iitk@gmail.com)

### **3 . IEEE IC – Outstanding WiE Volunteer Awards**

1. Ms. Anupma Thakur, Delhi Section (anupmathakur92@gmail.com)
2. Ms. ANISHKA S, Madras Section (anishkasankar1999@ieee.org)

### **4. IEEE IC – Outstanding YP Volunteer Awards**

1. Ms. Shaik Suraiah Thaseen, Bangalore Section (shaik.suraiahthaseen@ieee.org)
2. Ms. Ashwini Appaji M, Bangalore Section (ashwini.am@ieee.org)
3. Mr. Jeet Dagha, Bombay Section (jeetdagha1996@ieee.org)
4. Mr. Akash Nambiar, Kerala Section (akashpnambiar@gmail.com)
5. Mr. Shankar J, Kerala Section (shankarjayaraj@ieee.org)
6. Mr. Nishant Kumar, Kolkata Section (Consolation) (nishantkumar@ieee.org)
7. Mr. SANDEEP VUDDANTI, Vizag Section (Consolation) (sandeep@nitandhra.ac.in)

### **5. IEEE IC – Outstanding Student Branch Award**

1. IEEE Student Branch Chengannur College of Engineering, Kerala Section (chairman\_ieee@ceconline.edu)

### **6. IEEE IC – Outstanding Emerging Student Award**

1. Silver Oak University IEEE SB, Gujarat Section (ieee.sc@socet.edu.in)
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# **IEEE India Council- Industry Awards 2020**

A committee consisting of following member was constituted for the IEEE India Council- Industry Award 2020 and Lifetime Achievement Awards 2020.

- Prof SN Singh, Chair
- Dr Suresh Nair, Member
- Er RK Asthana, Member

After deliberations following were agreed upon:

## **1. IEEE IC Technologist of the Year 2020**

- Er. Rajeev Jyoti, Distinguished Scientist & Deputy Director, SAC, ISRO Ahmedabad

## **2. Women technologist of the Year 2020**

- Dr Suparna Bhattacharya, Distinguished Technologist, HP Enterprise Bangalore

## **3. Technology Start-up:**

- AyeAI
  - McGeeks Mechatronics Pvt. Ltd
-

# **IEEE India Council**

## **- Lifetime Achievement Awards 2020**

### **1. IEEE IC- LTA for Council Chairs:**

- Er. Fakir Chand Kohli, Bombay Section, Director Region 10 (1973-74) & Founder Chair India Council

### **2. IEEE IC- LTA for Sub-Section/Section Chairs**

- Dr. Ramakrishna Kappagantu, Bangalore Section
  - Prof. Subrata Mukhopadhyay, Delhi Section
  - Dr. Bulusu Lakshmana Deekshatalu, Hyderabad Section
  - Prof. V. K. Damodaran, Kerala Section
  - Prof. Suresh Chand Srivastava, Uttar Pradesh Section
  - Dr. Preeti Bajaj, Nagpur Sub-Section
-

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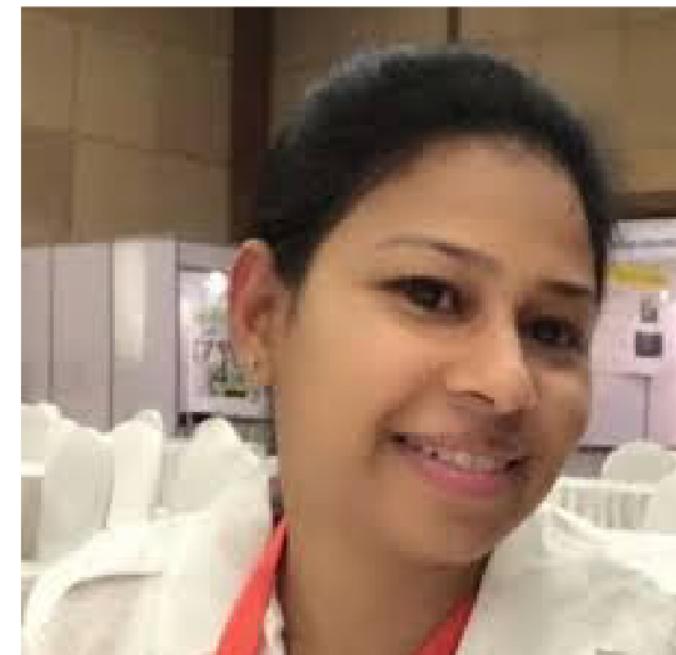


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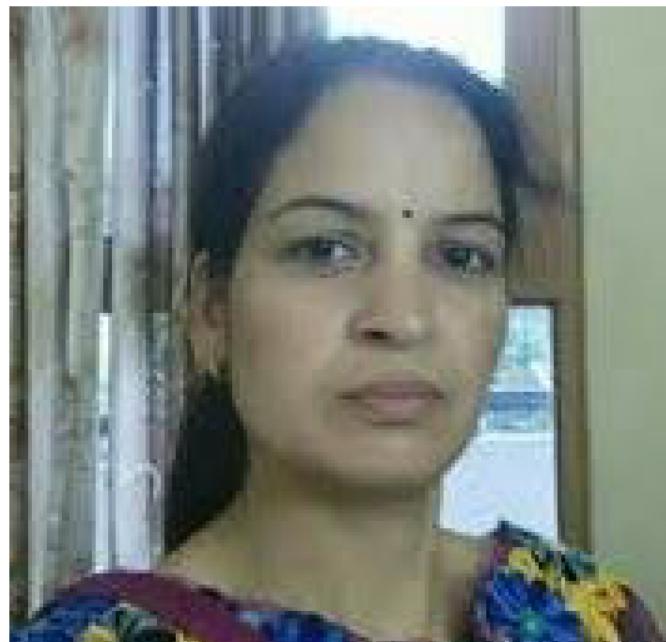


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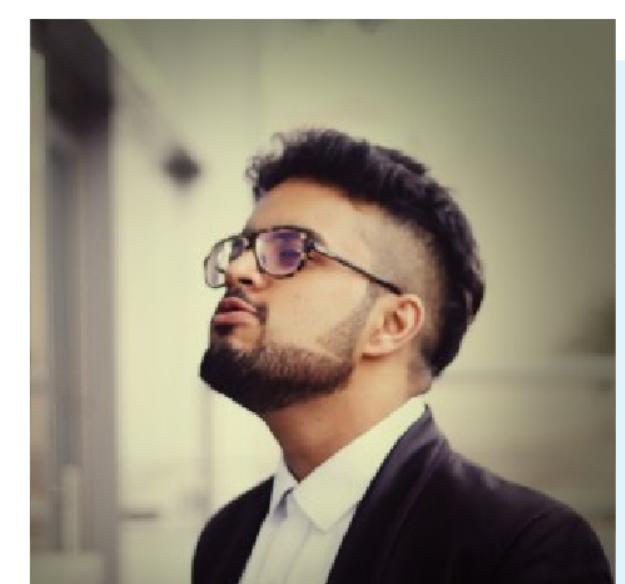
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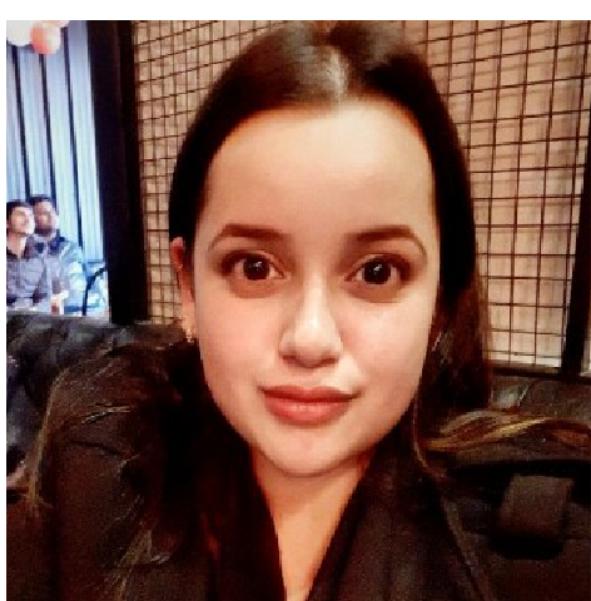
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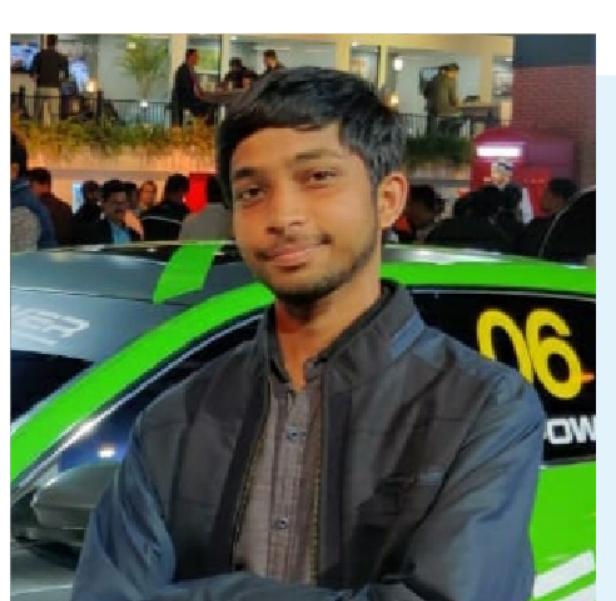
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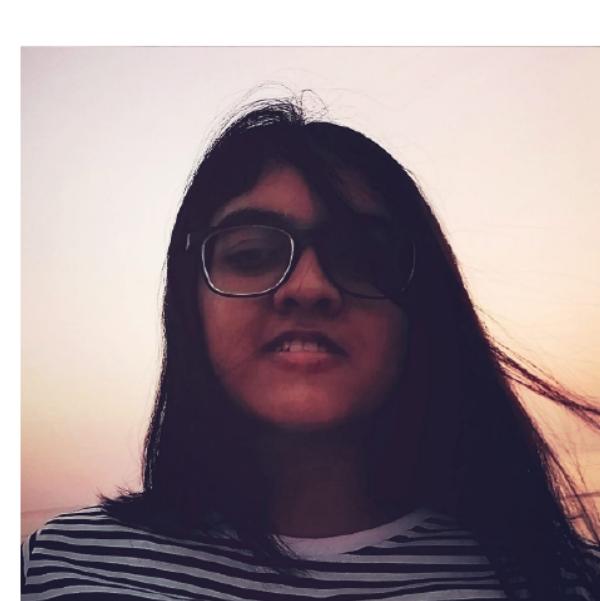
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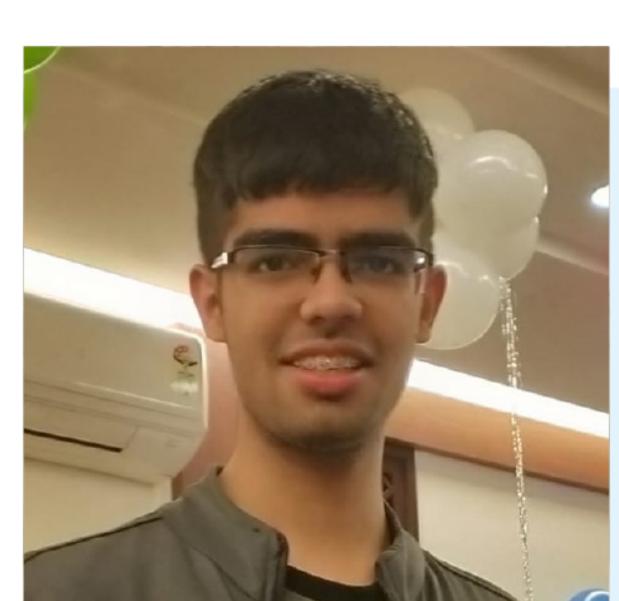
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