

**INDIAN TECHNOLOGY CONGRESS - 2018**  
**Technology First: Make India Innovate, Excel Globally and Prosper**  
**Wednesday, 05 September 2018**

|   | HALL      | 8:30 – 9:30 Hrs     | 9:30 – 11:00 Hrs    | 11:00 – 11:30 Hrs | 11:30 – 13:00 Hrs   | 13:00 – 14:00 Hrs | 14:00 – 15:30 Hrs  | 15:30 – 16:00 Hrs | 16:00 – 17:30 Hrs  | 19:30 - 21:00 Hrs |
|---|-----------|---------------------|---------------------|-------------------|---|-------------------|--|-------------------|--|-------------------|
| <b>NIMHANS Convention Centre, Bangalore</b> | MAIN HALL | <b>REGISTRATION</b> | <b>INAUGURATION</b> | <b>TEA</b>        | <b>PLENARY SESSION</b><br>Technology First: Make India Innovate, Excel Globally and Prosper | <b>LUNCH</b>      | Transforming the Enterprise for a Digital Age<br>(WFEO Session)    | <b>TEA</b>        | Leveraging Technology and Bytes for Indian Energy Security   | <b>DINNER</b>     |
|   | HALL A    |                     |                     |                   |   |                   | INAGURAL SESSION:<br>Connected Farming - Indian AgriTech Space     |                   | Connected Farming - Indian AgriTech Space<br>(Session continues up to 19:00 hrs, with appropriate break) |                   |
|   | HALL B    |                     |                     |                   |   |                   | INAGURAL SESSION:<br>International Seminar on Students' Satellites |                   | International Seminar on Students' Satellites  |                   |
|   | HALL C    |                     |                     |                   |   |                   |  |                   | Technical Paper Presentation   |                   |
|   | HALL D    |                     |                     |                   |   |                   |  |                   | Technical Paper Presentation   |                   |
|   | EXHIBITON |                     |                     |                   |   |                   |  |                   |  |                   |
|   |           |                     |                     |                   |   |                   |  |                   |  |                   |

**INDIAN TECHNOLOGY CONGRESS - 2018**  
**Technology First: Make India Innovate, Excel Globally and Prosper**  
**Thursday, 06 September 2018**

|   | HALL       | 9:30 – 11:00 Hrs                              | 11.00 – 11:30 Hrs | 11:30 – 13:00 Hrs<br>S  | 13:00 – 14:00 Hrs | 14:00 – 15:30 Hrs                                   | 15:30 – 16:00 Hrs | 16:00 – 17:30 Hrs                       |
|---|------------|---|-------------------|---|-------------------|---|-------------------|---|
| <b>NIMHANS Convention Centre, Bangalore</b> | MAIN HALL  | Plenary Session on Student Satellites Mission | <b>TEA</b>        | Challenges of Driving Digitalization in Public Sector Enterprises | <b>LUNCH</b>      | Drivers of Transformation in Educational Excellence | <b>TEA</b>        | <b>VALEDICTORY SESSION<br/>ITC 2018</b> |
|   | HALL A     | Connected Farming - Indian AgriTech Space     |                   | Connected Farming - Indian AgriTech Space                         |                   | Connected Farming – Indian AgriTech Space           |                   |   |
|   | HALL B     | -   |                   | International Seminar on Students' Satellites                     |                   | International Seminar on Students' Satellites       |                   |   |
|   | HALL C     | Technical Paper Presentation                  |                   | Technical Paper Presentation                                      |                   | -   |                   |   |
|   | HALL D     | Technical Paper Presentation                  |                   | Technical Paper Presentation                                      |                   | -   |                   |   |
|   | Exhibition |   |                   |   |                   |   |                   |   |

**Indian Technology Congress 2018**  
**Technology First: Make India Innovate, Excel Globally and Prosper**

**Wednesday, 05 September 2018**  
**Inaugural Programme**

**MAIN HALL, NIMHANS Convention Centre, Bengaluru**

|                          |   |  |
|--------------------------|---|--|
| <b>09:30 – 11:00 hrs</b> | Assembly<br>Invocation<br>Welcome   | <b>9.30 Hrs</b><br><br><b>Dr L V Muralikrishna Reddy</b><br>Chairman, Indian Technology Congress                                     |
|                          | About the Congress  | <b>Dr Wooday P Krishna</b><br>National President<br>Indian Institution of Production Engineers                                       |
|                          | Inaugural Address   | <b>LIGHTING THE LAMP</b><br><br><b>Shri H D Kumaraswamy</b><br>Hon'ble Chief Minister<br>Government of Karnataka                     |
|                          | <div style="background-color: #cccccc; padding: 10px; border: 1px solid black;"> <b>Presentation of Honours &amp; Technology Excellence Awards</b> </div> |  |
|                          | <b>Release of Publications</b>  |  |
|                          | Guests of Honour  | <b>Dr Sandeep Sancheti</b><br>President, Association of Indian Universities  |
|                          |   | <b>Dr Ashok Dalwai, IAS</b><br>CEO, National Rainfed Area Authority<br>Ministry of Agriculture and Farmers Welfare<br>Govt. of India |
| Presidential Address     | <b>Prof R M Vasagam</b><br>Padma Shri Awardee<br>Chairman, National Advisory Committee, ITC 2018  |  |
| Vote of Thanks           | <b>Dr K Gopalakrishnan</b><br>Council Member, The Institution of Engineers (India)  |  |

**TEA**

**11:00 – 11:30 Hrs**

# Indian Technology Congress 2018

Technology First: Make India Innovate, Excel Globally and Prosper

## SESSION I

**Plenary Session: “Technology First-Driving Global Transformation through Innovation, Integration and Inclusion”**

**Wednesday, 05 September 2018**

**11:30 – 13:00 Hrs**

### MAIN HALL

NIMHANS Convention Centre, Bengaluru

**Chair**

**Lt. Gen (Dr) V J Sundaram, PVSM, AVSM, VSM (Retd)**

Former Director, DRDL & RCI  
Advisor - Micro and Nano Systems  
National Design and Research Forum, Bangalore

**Co-Chair**

**Dr R Venkatesan**

Scientist G & Head, Ocean Observation Systems  
National Institute of Ocean Technology  
Ministry of Earth Sciences, Government of India

### Keynote Speakers

**Dr Ashok Dalwai, IAS**

CEO, National Rainfed Area Authority (NRAA)  
Ministry of Agriculture and Farmers Welfare. Govt. of India

**Dr Samir Vankatpati Kamat**

DS & Director General - Naval Systems and Materials (NS & M)  
Defence Research and Development Organization

**Dr Sandeep Sancheti**

President, Association of Indian Universities, and  
Vice Chancellor, SRM Institute of Science and Technology

**Shri Rajarama Nayak**

Head, Connected Consumer Products and Solutions, Internet of Things (IOT)  
Tata Consultancy Services

### LUNCH

**13:00 – 14:00 Hrs**

# Indian Technology Congress 2018

Technology First: Make India Innovate, Excel Globally and Prosper

## SESSION II

### World Federation of Engineering Organizations (WFEO-CIC) Session: Transforming the Enterprise for a Digital Age

Wednesday, 05 September 2018

14:00 – 15:30 Hrs

#### MAIN HALL

NIMHANS Convention Centre, Bengaluru

#### Chair and Address

**Shri Ramakrishna Kappagantu**  
Chair, IEEE R10 Nominations & Advisory  
(2017-18)  
R10 (Asia-Pacific) Director (2015-16)

#### Speaker

**Ms Shefali Bansal**  
Program Director & WW Practice & Client Success Leader for  
Watson IoT Manufacturing & Building Solutions  
IBM India

**Ms Amruta Purandare**  
Associate Director-Artificial Intelligence  
Happiest Minds Technologies

**Shri Ravindra Barlingay**  
General Manager, Connected Devices & Communication Gateways  
Schneider Electric

**Shri Chandrashekhar Raman**  
Lead, thingQbator Program  
Cisco India

TEA

15:30 – 16:00 Hrs

## **Indian Technology Congress 2018**

**Technology First: Make India Innovate, Excel Globally and Prosper**

**“AgriTech 2018”**

**“Connected Farming: Indian AgriTech Space”**

**A Vanguard Programme for AgriTech Professionals**

### **INAUGURAL SESSION**

**Wednesday, 5 September 2018**

**14:00 – 15:30 Hrs**

#### **HALL A**

**NIMHANS Convention Centre, Bengaluru**

#### **Chief Guest**

**Dr Ashok Dalwai, IAS**

CEO, National Rainfed Area Authority (NRAA)  
Ministry of Agriculture and Farmers Welfare Govt. of India

#### **Keynote Address By**

**Dr B N S Murthy**

Horticulture Commissioner  
Government of India

#### **Guest of Honours**

**Shri Prabhash Chandra Ray, IFS**

Commissioner, Agriculture, Government of Karnataka

**Dr Manjunath K Naik**

Vice Chancellor, University of Agriculture & Horticulture Sciences (UAHS), Shimoga

**Dr K M Indiresh**

Vice Chancellor, University of Horticulture Sciences (UHS), Bagalkot

**Dr S K Meti**

Vice Chancellor, University of Agricultural Sciences (UAS), Raichur

**Dr M S Nataraju**

Vice Chancellor, University of Agricultural Sciences (UAS), Bangalore

**Shri B Y Srinivas**

Director of Agriculture, Government of Karnataka

**Shri P V S Suryakumar**

CGM, NABARD, Bangalore

**TEA**

**15:30 – 16:00 Hrs**

# Indian Technology Congress 2018

Technology First: Make India Innovate, Excel Globally and Prosper

## INAUGURAL SESSION

### International Seminar on Students' Satellites

Wednesday

05 September 2018

14:00 – 15:30Hrs

#### HALLB

NIMHANS Convention Centre, Bengaluru

#### Inauguration and address by Chief Guest

**Dr B N Suresh**

Padma Bhushan Awardee

Chancellor, Indian Institute of Space Science and Technology(Deemed University)

Former Director, Vikram Sarabhai Space Centre(VSSC)

Vikram Sarabhai Distinguished Professor, ISRO

#### Keynote Address by

#### Student Participation in Space Exploration

**Shri M S Jayachandran**

Scientist/Engineer-G, Group Director -DTG Group SIS / IISU

Associate Programme Director, VSSC, ISRO

#### University Space Engineering Consortium (UNISEC) - Global Activities and Students Satellite Projects

**Dr G P Ganapathy**

Professor & Director, Vellore Institute of Technology(Deemed University)

University Space Engineering Consortium (UNISEC)- India operation's

#### Experiences of CANEUS Small Satellite Sector Consortium, Canada/USA: Need of the Hour

**Shri Milind Pimprikar**

CANEUS Founder and Chairman, Canada

**Prof B Dattaguru**

Padma Shri Awardee

Former Chairman, Department of Aerospace Engineering, Indian Institute of Science

**Will preside**

TEA

15:30 – 16:00 Hrs

# Indian Technology Congress 2018

Technology First: Make India Innovate, Excel Globally and Prosper

## Session III

### Leveraging Technology and Bytes for Indian Energy Security

Wednesday, 05 September 2018

16:00 – 17:30 Hrs

#### MAIN HALL

NIMHANS Convention Centre, Bengaluru

|   |  |
|---|--|
| <b>Chair and Address</b>  | <b>Prof K B Akhilesh</b><br>President, Rajiv Gandhi Institute of Petroleum<br>Technology; and Senior Professor<br>Department of Management Studies,<br>Indian Institute of Science |
| <b>Co-Chair</b>   | <b>Dr Varuna Reddy Potula</b><br>Formerly Associate Vice President (R&D)<br>Kirloskar Oil Engines  |
| <b>Speaker</b>  |  |
| <b>Shri Prabhat Singh</b><br>Managing Director & CEO<br>Petronet LNG Limited                    |  |
| <b>Shri Shelly Abraham</b><br>General Manager<br>Project Technical Department, Kochi Refineries |  |

## Interaction Session

**CULTURAL PROGRAMME AND DINNER**

**19:30 – 21:00 Hrs**



## Indian Technology Congress 2018

Technology First: Make India Innovate, Excel Globally and Prosper

“AgriTech 2018”

“Connected Farming: Indian AgriTech Space”

A Vanguard Programme for AgriTech Professionals

### DIGITAL AGRI TECH ECOSYSTEM Session I

Wednesday, 5 September 2018

16:00 - 17.30 Hrs

#### HALL A

NIMHANS Convention Centre, Bengaluru

|   |  |
|---|--|
| <b>Chair</b>  | <b>Dr K Narayanagowda</b><br>Former VC, UAS, Bangalore   |
| <b>Co-Chair</b>   | <b>Dr M K Honnabyraiah</b><br>Prof & Head Department of Fruit Science,<br>UHS Bagalkot, Bangalore Campus |
| <b>Speaker</b>  | <b>Theme</b>   |
| <b>Shri T Mallesh</b><br>CEO, CULTYVATE   | Next-gen Technology Interventions for Farm Productivity  |
| <b>Dr B Fakruddin</b><br>Professor & Head, Dept of Biotechnology<br>University of Horticulture Sciences, Bagalkot | Digital Agriculture Technology – Opportunities and Challenges  |
| <b>Shri Prajwal V Kumar</b><br>MD, Mangalore Roabutonics Pvt Ltd,<br>Surathkal                                    | Future of Robotics and Automation in Agri Sector   |
| <b>Shri Rajashekar</b><br>MD – Tarasvi Infotech (P) Ltd Bangalore   | AgriInVendee   |
| <b>Shri Dushanth Tyagi</b><br>Chief Business Officer,<br>iKisaan Nagarjuna Fertilizers and<br>Chemicals Limited   | Impact of Digitalization in Agri-input Supply Chains   |
| <b>TEA</b>  | <b>17:30 to 17:45 Hrs</b>  |

**Indian Technology Congress 2018**  
**Technology First: Make India Innovate, Excel Globally and Prosper**

| <b>International Seminar on Students' Satellites</b>   |   |
|--|---|
| <b>SESSION 1</b>   |   |
| <b>Wednesday, 05 September 2018</b>  | <b>16:00 – 17:30Hrs</b>   |
| <b>HALL B</b>  |   |
| NIMHANS Convention Centre, Bengaluru   |   |
| <b>Chair</b>   | <b>Dr K R Venugopal</b><br>Vice Chancellor, Bangalore University  |
| Speaker  | Theme   |
| <b>Dr Shaun Whitehead</b><br>Creationeering/Scoutek Ltd, UK  | ThumbSat - the Tiny Satellite that will unlock space for Everyone   |
| <b>Shri Sudip Kar</b><br>Co-Founder, D'Vine Research Labs  | Quest of 'Space' Based Solutions  |
| <b>Shri Bharatha Raja</b> , Senior Engineer<br>Satellite Systems, Data Patterns (I) P Ltd  | Small Students Satellites: Role of Industries   |
| <b>Dr Sharan Asundi</b><br>Assistant Professor, Department of Aerospace Science Engineering at Tuskegee University and Visiting Researcher at NASA Goddard Space Flight Center, USA  | Pico/Nano/Micro-Satellite (PNMSat) Program: An Effort to Establish Space Systems Engineering Research and Education Paradigm for Aspiring Engineers |
| <b>Ms Rei Kawashima</b><br>Secretary General, UNISEC Global (University Space Engineering Consortiums), Japan  | UNISEC-Indo-Japan Possible Collaborative Initiatives and Prospects for Small Satellites   |
| <b>Shri Mathieu J Weiss</b><br>Managing Director, Liaison Office India, Centre National d'Etudes Spatiales (CNES)/<br>Representative from Consulate General of France/Bangalore/<br><b>Dr Philippe Calonnec, DREIC, NHCE</b> | Small Satellite Programmes at French Universities   |
| <b>CULTURAL PROGRAMME FOLLOWED BY DINNER</b>   |   |
| <b>19:30 – 21:00 Hrs</b>   |   |

## Indian Technology Congress 2018

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“AgriTech 2018”

**“Connected Farming: Indian AgriTech Space”**

A Vanguard Programme for AgriTech Professionals

### AGRI TECH INTERVENTATIONS IN FARMING AND FOOD SYSTEMS

#### Session II

Wednesday, 5 September 2018

17:45 – 19:00 Hrs

#### HALL A

NIMHANS Convention Centre, Bengaluru

**Chair**

**Prof Daniel Khan**

OBE-COO, IOP, United Kingdom

**Co-Chair**

**Prof B Ranganna**

Emeritus Scientist, Agriculture Engineering

**Speaker**

**Theme**

**Dr M S Thakur**

Former Chief Scientist,  
Central Food Technological Research Institute  
Professor, Nitte Meenakshi Institute of  
Technology  
Vice President, Biosensor Society of India

Food Quality and Safety Assessment using  
Field applicable devices

**Dr Anandharamakrishnan**

Director, Indian Institute of  
Food Processing Technology, Thanjavur

Health foods and Nutraceuticals

**Dr B K Desai**

Director of Research, UAS, Raichur

Integrated Farming System for  
Doubling Farmers' Income

**Dr M S Shirahatti**

Chief Scientist  
Regional Agricultural Research Station, Bijapur

Role of Dryland Technology in  
Improving Farm Productivity

CULTURAL PROGRAMMES FOLLOWED BY DINNER

19:00 – 21:00 Hrs

# Indian Technology Congress 2018

Technology First: Make India Innovate, Excel Globally and Prosper

## Session IV

### Plenary Session on (International Seminar on Students' Satellites)

Thursday, 06 September 2018

09:30 to 11:00 Hrs

#### MAIN HALL

NIMHANS Convention Centre, Bengaluru

#### Chair and Address

##### Dr Y S Rajan

Padma Shri Awardee  
Honorary Distinguished Professor  
Indian Space Research Organization

#### Speaker

##### Dr Mylswamy Annadurai

Padma Shri Awardee  
Former Director, ISRO Satellite Centre

##### Dr Meir Ariel

Director  
The Herzliya Science Centre, ISRAEL

##### Dr Meyya Meyyappan

Chief Scientist, Exploration Technology  
NASA Ames Research Center, USA

##### Shri Arun Venkatesan

Managing Director  
VSTP Ltd/Sapienza Space Systems and Space Surveillance Laboratory, Italy

TEA

11:00 – 11:30 Hrs

## Indian Technology Congress 2018

Technology First: Make India Innovate, Excel Globally and Prosper

“AgriTech 2018”

“Connected Farming: Indian AgriTech Space”

A Vanguard Programme for AgriTech Professionals

### SMART WATER MANAGEMENT Session III

Thursday, 6 September 2018

09:30 to 11:00 Hrs

#### HALL A

NIMHANS Convention Centre, Bengaluru

|   |   |
|---|---|
| <b>Chair</b>  | <b>Dr P S Rao</b><br>Director- Technical, Advanced Centre for Integrated Water Resource Management                |
| <b>Co-Chair</b>   | <b>Dr V V Angadi</b><br>Principal Scientist All India Coordinated Research Project – Dryland Farming, UAS Dharwad |
| <b>Speaker</b>  | <b>Theme</b>  |
| <b>Dr Durairaj Divakar</b><br>Former Professor of Farm Machinery<br>Dean Agriculture Engg College and Research Institute TNAU, Coimbatore | Automation in Farm Mechanization – An Indian Perspective  |
| <b>Shri Sunder Rao</b><br>Vice President, Sai Sanket Enterprises, Mumbai  | Water Use Efficiency  |
| <b>Shri Lalbahadur Joshi</b><br>AGM- Product & Training<br>Revulis Irrigation India Pvt Ltd, Pune   | A Success story with a range of Micro irrigation products and its applications                                    |
| <b>Shri Pranshu Dewal</b><br>Senior Manager Projects,<br>Manna Irrigation Pvt Ltd, Pune   | Manna Irrigation – Bringing Irrigation Intelligence in India  |
| <b>Shri Vijayeendra</b><br>Co-Founder and Director,<br>Avanijal Agri Automation Pvt Ltd   | Impact of Innovative technologies on Smart Irrigation   |
| <b>TEA</b>  | <b>11:00 – 11:30 Hrs</b>  |

# Indian Technology Congress 2018

Technology First: Make India Innovate, Excel Globally and Prosper

## Session V

### Challenges of Driving Digitalization in Public Sector Enterprises

Thursday, 06 September 2018

11:30 to 13:00 Hrs

#### MAIN HALL

NIMHANS Convention Centre, Bengaluru

**Chair**

**Dr M P Sukumaran Nair**

Chairman - Public Sector Restructuring and  
Internal Audit Board (RIAB)  
Former Special Secretary, Government of Kerala

**Co-Chair**

**Shri M Z Siddique**

Director  
Gas Turbine Research Establishment (GTRE)

#### Speaker

**Representative of  
Chairman and Managing Director**  
Bharat Electronics Limited

**Dr Daniel Hahn**  
Director, Industrial Robotics and Mechatronics at VSTP (UK)

**Representative of  
Chairman and Managing Director**  
Hindustan Aeronautics Limited

**Lunch**

**13:00 – 14:00 Hrs**

## Indian Technology Congress 2018

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“AgriTech 2018”

“Connected Farming: Indian AgriTech Space”

A Vanguard Programme for AgriTech Professionals

### FUTURISTIC FARM MECHANIZATION

Session IV

Thursday, 6 September 2018

11:30 to 13:00 Hrs

HALL A

NIMHANS Convention Centre, Bengaluru

**Chair**

**Dr D L Maheswar**  
Former VC, UHS Bagalkot

**Co-Chair**

**Shri Nagaraj G**  
Asst Professor, Dept of Agri Engineering  
UHS Bagalkot, Bangalore Campus

**Speaker**

**Theme**

**Dr S N Omkar**  
Chief Research Scientist, Department of  
Aerospace Engineering, IISC, Bangalore

Low Altitude Remote Sensing for Agriculture

**Shri P C Meshram**  
Senior Agriculture Engineer, Southern  
Region Farm Machinery and Training  
Institute, Anantapur

Farm Mechanization in India - Problems and  
prospects with initiatives for promotion of agricultural  
mechanization by Govt. of India through FMTTIs

**Dr K C Shashidar**  
Head, Agri Engineering, UAHS, Shimoga

Next Gen Technology Interventions for  
Farm Productivity and Food Systems

**Shri Orwin Noronha**  
MD, Leowin Solutions Pvt Ltd, Mangalore

New Technologies-need of the hour for  
India and the World

**Dr M Veeranagowda**  
Dean – (Ag Engg), College of Agricultural  
Engineering, UAS Raichur

Drone Technology – The Future of  
Agricultural Mechanization

**LUNCH**

**13:00 – 14:00 Hrs**

**Indian Technology Congress 2018**  
**Technology First: Make India Innovate, Excel Globally and Prosper**

|  |                           |
|--|---------------------------|
| <b>Way-Forward and Concluding Session</b><br><b>(International Seminar on Students' Satellites)</b>  |                           |
| <b>Thursday, 06 September 2018</b>   | <b>11:30 to 13:00 Hrs</b> |
| <b>HALL B</b><br>NIMHANS Convention Centre, Bengaluru  |                           |
| <b>Dr J Ramkumar</b><br>Professor, IIT Kanpur  |                           |
| <b>Dr Wooday P Krishna</b><br>National President, Indian Institution of Production Engineers   |                           |
| <b>Dr Meir Ariel</b><br>Director, The Herzliya Science Centre,<br>Director, The Centre for NanoSatellites, Tel Aviv University, Israel             |                           |
| <b>Dr Enti Ranga Reddy</b><br>Legend Technologies, Bangalore   |                           |
| <b>Shri Sudip Kar</b><br>Co-Founder, D'Vine Research Labs  |                           |
| <b>Dr G P Ganapathy</b><br>University Space Engineering Consortium (UNISEC)- Indian operation's PoC  |                           |
| <b>Dr V Dillibabu</b><br>Scientist, Gas Turbine Research Establishment, DRDO and<br>Founder, Engineers Without Borders-Bangalore                   |                           |
| <b>Dr K Gopalakrishnan</b><br>Convener, Students Satellite Programme, ITCA, Chairman, R&D, IEI &<br>Dean (R&D), New Horizon College of Engineering |                           |
| <b>Lunch</b>   | <b>13:00 – 14:00 Hrs</b>  |



# Indian Technology Congress 2018

Technology First: Make India Innovate, Excel Globally and Prosper

## Session VI

### Panel Discussion: Drivers of Transformation in Educational Excellence

Thursday, 06 September 2018

14:00 to 15:30 Hrs

#### MAIN HALL

NIMHANS Convention Centre, Bengaluru

**Chair**

**Dr K R Venugopal, FIEEE**  
Vice Chancellor, Bangalore University

**Co-Chair**

**Dr S K Prasad**  
Professor of Management  
REVA University  
Former Distinguished Professor and Chief  
Mentor, GITAM University- Bengaluru School  
of Management Studies  
Founder Fellow, ITCA

#### Speaker

**Dr Winston Jacob MBE**  
Ambassador, Global University for Lifelong Learning [USA]  
Accredited Mentor Coach, International Coach Federation, USA

**Dr P G A Vora**  
Sr. Dy Director  
ARAI Academy, Pune

**Dr YVS Lakshmi**  
Head, Marketing  
Centre for Development of Telematics

**Dr V Ranganathan**  
CEO  
ESpectrum Consulting

**Prof Daniel Khan**  
OBE-COO, IOP, United Kingdom

TEA

15:30 – 16:00 Hrs

**Indian Technology Congress 2018**  
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**“AgriTech 2018”**

**“Connected Farming: Indian AgriTech Space”**  
**A Vanguard Programme for AgriTech Professionals**

**TRADE AND TRACEABILITY OF AGRI VALUE CHAINS**  
**Session V**

**Thursday, 6 September 2018**

**14:00 to 15:30 Hrs**

**HALL A**

NIMHANS Convention Centre, Bengaluru

|  |  |
|--|--|
| <b>Chair</b>   | <b>Dr S Rajendra Prasad,</b><br>Dean Agri, College of Agriculture,<br>UAS-GKVK, Bangalore                      |
| <b>Co-Chair</b>  | <b>Shri AShriut Langoti</b><br>Former General Manager,<br>Gujarat Narmada Valley Fertilizers Co ltd,<br>Mumbai |
| <b>Speaker</b>   | <b>Theme</b>   |
| <b>Prof Daniel Khan</b><br>OBE-COO, IOP, United Kingdom  | Top 10 Issues shaping traceability and<br>sustainability for market access                                     |
| <b>Shri Sujit Pande</b><br>Global Product Manager, BUHLER INDIA LTD  | Smart Supply Chain - Farm to Fork  |
| <b>Smt. Kshama Patil</b><br>Deputy Director of Horticulture Bangalore  | Agri Business Options- FPO's/VPO's   |
| <b>Shri Balakrishnan</b><br>Chief Operating Officer- Vrutti.   | Building Wealth and Resilience of Small holder<br>Farmers through transformative livelihood<br>Solutions       |
| <b>Dr D R Patil</b> , Associate Director of Research<br><b>Dr Y K Kotikal</b> , Director of Extension<br><b>Dr Anand Nanjappanavar</b> , Asst Professor,<br>UHS Bagalkot | Precision Farming for enhancing Farm<br>Productivity in Horticulture Crops                                     |

**VALEDICTORY SESSION**

**15:30 to 16:00 Hrs**

|                                   |  |
|-----------------------------------|--|
| <b>Chairman /<br/>Co-Chairman</b> | <b>Dr S Ayyappan</b> , Chancellor, Central Agricultural University, Imphal.<br><b>Dr D L Maheswar</b> , Former VC, UHS Bagalkot<br><b>Shri M I Ganagi</b> , CGM, NABARD, Mumbai<br><b>Shri Chintamani Rachayanavar</b> , Chief Advisor, AAB- ITCA, Bangalore |
| <b>Recommendations</b>            | <b>AgriTech Bengaluru Declaration</b> by<br><b>Dr D L Maheswar</b> , Former VC, UHS Bagalkot   |

## TECHNICAL PAPER PRESENTATION

| Ref. No. | Wednesday, 05 September 2018   | HALL C | 14.00 hrs to 15.30 hrs |
|----------|--|--------|------------------------|
| 68       | A Study on IOT in Agriculture<br>Rachana Subbaiah M and Ummesalma M  |        |                        |
| 11       | Green Business Applications in The Cloud<br>Brojo Kishore Mishra   |        |                        |
| 48       | Innovative Plasma Technology in Textile Processing - A Study on Oxygen Gas Plasma Treated Knitted Bamboo Fabric<br>Jayashree Venkatesh and K.N. Ninge Gowda  |        |                        |
| 66       | Design and FPGA Implementation of A Hardware Neuron Model<br>Bhargav .S  |        |                        |
| 05       | For Image Compression<br>ASHWINI .K  |        |                        |
| 17       | GNSS Meteorology: Real-Time Atmospheric Column Water By A Ground-Based GNSS System During Severe Cyclones, Thunderstorms And Heavy Rainfall – A Case Study<br>Dr. N. Puviarasan, Diksha Singh and Esha Trivedi |        |                        |
| 58       | Progression of Technology for Sustainable Textile Processing<br>Jayashree Venkatesh and K.N. Ninge Gowda   |        |                        |
| 67       | A Study on Autism Spectrum Disorder: Medical Analytics Perspective<br>Ummesalma M, Srinivas Narasegouda and Prarthana KC   |        |                        |
|          |  |        |                        |
| Ref. No. | Wednesday, 05 September 2018   | HALL C | 16.00 hrs to 17.30 hrs |
| 07       | Clean Steel Production Technology in Sail Plants<br>Kiran Kumar Keshari, S.K. Gupta and Y.K. Khanna  |        |                        |
| 08       | Discrete Wavelet Transform Based Panorama Reconstruction Using Scale-Invariant Feature Transform<br>Ramesh Kumar Sunkaria and Ravi Bhushan   |        |                        |
| 04       | Optimized Approach to Enhance the Throughput for Zigbee Cluster Tree Networks<br>K.P. REVATHI  |        |                        |
| 03       | Vehicular Pollution Monitoring and Control based on IOT and Web Service Approach<br>J.P Justina and S.M Saranya  |        |                        |
| 02       | Reliability Aware Finfet based SRAM Cell for Low Power, Low Voltage Applications<br>Chhavi Singhal   |        |                        |
| 32       | Design and Analysis of Power Converter for Hybrid Energy Storage System<br>Palanisamy. S and C. Govindaraju  |        |                        |
| 25       | Simulation of Vortex Induced Vibration in An Elastically Mounted Circular Cylinder<br>Rishitosh Ranjan, Sushant Putatunda and Sourav Kumar Kar   |        |                        |
| 69       | Suraksha - A Safelet<br>Vaishnavi R.G and Suvaegha K.S   |        |                        |

## TECHNICAL PAPER PRESENTATION

| Ref. No. | Thursday, 06 September 2018  | HALL C | 09.30 hrs to 11.00 hrs |
|----------|--|--------|------------------------|
| 49       | Smart Monitoring System<br>Dr. T Suresh, S Mohan and M Muralidharan  |        |                        |
| 52       | Autonomous Artificial Aquakind Robot<br>S. Sravani, S. Swetha, S. Sathyashree, M. Priyadharshini and R.Babuji  |        |                        |
| 54       | Potholes Detecting Drones<br>Ms. D. Jyothi, Y. Vinitha Reddy V. Hema, N. Kavitha and P. Harini   |        |                        |
| 24       | Spatial Adaptive Tuning For Rayleigh Maximum Likelihood Despeckling Filter Based On Topological Binary Connectivity<br>S. SRIDEVI and Dr. S. NIRMALA                             |        |                        |
| 12       | Highly Sensitive and Rapid Detection of Acetylcholine Using Platinum-Graphene Nanoparticles Modified Au Electrode<br>Nidhi Chauhan and Utkarsh Jain                              |        |                        |
| 70       | MED-DRONE<br>Swetha M. and Swetha .R.  |        |                        |
| 55       | NEW GEN TECH<br>D.S. Bhargava, Shyam .N, Wasim Raja .M, Senthil Kumar .K, Seenu .SU and Charan .A  |        |                        |
| 59       | Smoke Absorbing Drone<br>J. Jasmine Hephzipah, Vishnu Kritthika. R, Vinothini .M and Sneha .B  |        |                        |
| Ref. No. | Thursday, 06 September 2018  | HALL C | 11.30 hrs to 13.00 hrs |
| 08       | Design and Hardware Implementation of SVC using Thyristorised Control for Improving Power Factor and Voltage Profile OF Inductive Loads<br>Manan Y. Pathak and Dr. J. G. Jamnani |        |                        |
| 47       | Smart Solar Control Using Secured IOT System<br>Padmapriya .E, Roshni .S, Sai Sanghavi .A and Gunasekhar .P  |        |                        |
| 60       | TECHIEFAST Drone<br>S. Sobika1, K. Sivapriya P .Sundareswari and J. Jasmine Hephzipah  |        |                        |
| 65       | Pills Power<br>Vanmathi M and Supraja A  |        |                        |
| 51       | The BEE on Rescue<br>Mahaboob Basha S., Nithyasree B.r., Nihariha .V, Akshaya R. and Nivedha R.  |        |                        |