

**IEEE  
ANTS™**

**IEEE International Conference on Advanced Networks and  
Telecommunications Systems**  
17-20 December 2017 – C. V. Raman College of Engineering,  
Bhubaneswar, Odisha, India

**IEEE  
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**IEEE**



11<sup>th</sup> IEEE International Conference on Advanced Networks and Telecommunications Systems

## **IEEE ANTS Women in Engineering (WIE) Mini Conference**

**Date: 18<sup>th</sup> December 2017**



**“WiN with WiT”**

**(Women in Networking with Women in Telecommunications)**

## **MESSAGE FROM WIE CO-CHAIRS**



A warm welcome to our dear participants to the 11<sup>th</sup> IEEE ANTS International Conference. WiE initiative was conceived as a one day mini-conference as part of the decenary celebration of IEEE ANTS, last year (2016) with the aim to encourage women engineers to showcase their technical acumen. This year WiE mini-conference is on Dec 18<sup>th</sup>, on the second day of IEEE ANTS. The Program Schedule is enclosed. We would be delighted to have you all join us for the plethora of events we have lined up for you – keynotes, invited talks as well as paper presentations. Let us leverage on this forum opened for the second time in IEEE ANTS and celebrate Women in Engineering!

**Dr. Mydhili Nair, MS Ramaiah Institute of Technology, Bengaluru, India**



It is our honour and pleasure to welcome all delegates to the 11<sup>th</sup> IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS 2017), the WiE Track- a one day Mini-conference on 18th December 2017 organised by C. V. Raman College of Engineering, Bhubaneswar, India. This is a unique part of this conference that provides a platform for women engineers to showcase their expertise. This year we have keynote speakers from CISCO, Springer, TCS, and other invited talks both from academia and industry. I hope WiE track will provide a good forum for the women engineers to explore their knowledge who are working in the field of advanced networks and telecommunications systems.

**Dr. Chhabi Rani Panigrahi, Central University of Rajasthan, India**



It is our great pleasure to welcome you here in Bhubaneswar, the “Temple City”, securing first position amongst Smart Cities in India to participate in the 11<sup>th</sup> IEEE ANTS an International Conference from 17-20 December 2017 organised by C. V. Raman College of Engineering, Bhubaneswar, Odisha, India. We have done our best to offer an exciting scientific programme, composed of state-of-the-art plenary lectures and abstract-driven sessions presenting the latest research with the theme “Communications for Smart City”, and to stimulate discussions as well as educational exchanges. WiE initiative was conceived as a one day mini-conference as part of the decade celebration of IEEE ANTS, last year (2016) with the aim to showcase the technical expertise of the women engineers in the field. This year WiE mini-conference is on Dec 18<sup>th</sup>, on the second day of IEEE ANTS. It is one place where you can make direct contact with your peers, key players and check out what other researchers are doing. Take an active part in ANTS 2017 and play your role in defining the future of Indian “Smart City”, showcasing your innovative services to a large target audience and celebrate Women in Engineering!!

**Dr. Tripti Swarnkar, Siksha ‘O’ Anusandhan University, Faculty of Engineering(ITER), Bhubaneswar, India**



It is my immense pleasure to welcome you to the IEEE ANTS Women in Engineering (WiE) Mini Conference as a part of 11th IEEE International Conference on ANTS to be held on December 18th in Bhubaneswar, India. This mini conference aims to create a platform to exchange new ideas and discuss the latest research solutions for Women Engineers in the field of Computer Networks and Telecommunications. I hope it enables exchange of knowledge and is productive as well as enjoyable for all the attendees.

**Dr. Chetna Singhal, Indian Institute of Technology (IIT) Kharagpur, India**



**Mini-Conference**  
**"WiN with WiT"**



PROGRAM  
SCHEDULE

Sl#	Time	Venue	Event
1	11:30am- 12:00pm	<b>Auditorium 4</b>  <b>(11:30am to 13:00pm)</b>	Swati Meherishi, Executive Editor-Applied Science and Engineering, Springer India  <i>How to write for and get published in international scientific journals</i>
2	12:00 to 12:30pm		Pallavi Srinivasa, Director, Product Management and Technical Marketing, CISCO  <i>Connecting citizens through National Broadband Network</i>
3	12:30 to 13:00pm		Banani Swain, Program Manager, IUX, TCS  <i>A Platform Based Approach for developing Smart City Solutions</i>
4	13:00-14:00pm	Lunch Break	
5	14:00- 14:30pm	<b>Auditorium 4</b>  <b>(14:00pm to 15:30pm)</b>	Dr. Iti Saha Misra, Professor, Department of ETCE, Jadavpur University, IEEE ComSoc Chairperson, Kolkata Chapter  <i>Cognitive Radio: A Prospect for 5G Communication and IOT Services</i>
6	14:30- 14:45pm		Dr. Arpita Thakre, Assistant Professor, Amrita School of Engineering, Amrita Vishwa Vidyapeetham (University), Bangalore  <i>Spatial Modulation, an Overview</i>
7	14:45- 15:00pm		Dr. Basabi Chakraborty, Professor, Iwate Prefectural University, Japan  <i>Discovering Social Needs through Social Network Data Mining</i>
8	15:00- 15:15pm		Dr. Tripti Swarnkar, Associate Professor, Siksha 'O' Anusandhan University, Faculty of Engineering(ITER), Bhubaneswar, India  <i>Smarter Healthcare in Smart City</i>
9	15:15- 15:30pm		Dr. Mydhili K Nair, Professor, Dept. of Information Science & Engg, MS Ramaiah Institute of Technology, Bangalore  <i>Role of Interdisciplinary Research in India's Smart-City Initiative</i>

11	15:30-16:00pm	Tea Break	
<b><u>WiE Technical Paper Presentation Session : Parallel Track 1</u></b>			
12	16:00-16:15pm		Strategic Decision for Crowd-Sensing: An approach based on Markov Decision Process <i>Arpita Ray, Chandreyee Chowdhury and Sarbani Roy (Jadavpur University, India)</i>
13	16:15-16:30pm		Dynamic Traffic Congestion Detection by K-means clustering on Arduino Interface <i>Urmila Bhanja (IGIT, Sarang, India); Sudipta Mahapatra (Indian Institute Technology, Kharagpur, India); Rajesh Kumar, Amlan Routray and Shivashis Behura (IGIT, India)</i>
14	16:30-16:45pm		Secure Key-exchange for Implantable Sensors using Inductive Coupling <i>Priti Kumari (IIITB, India); Tricha Anjali (International Institute of Information Technology - Bangalore, India)</i>
15	16:45-17:00pm		Towards Policy-driven Power Management for Cloud Computing <i>Varsha Ram Thayal (Amrita University, India); Sriram Sankaran (Amrita University, India)</i>
16	17:00-17:15pm		A Survey of Scheduling Policies in Software Defined Networks <i>Anuradha Banerjee (Kalyani Govt. Engg. College, India); Flavio Esposito (Saint Louis University, USA)</i>
17	17:15-17:30pm		FSNRP: Fuzzy-controlled Priority Scheduling of Non-Real Time Data Packets in Mobile Ad-hoc Networks <i>Anuradha Banerjee (Kalyani Govt. Engg. College, India); Abu Sufian (University of Gour Banga, India)</i>
<b><u>WiE Technical Paper Presentation Session : Parallel Track 2</u></b>			
18	16:00-16:15pm		Performance Analysis of Integrated SAC-OCDMA and OFDM Technique over FSO <i>Urmila Bhanja (IGIT, Sarang, India); Arpita Khuntia and Swati Alamasety (Indira Gandhi Institute of Technology, India)</i>
19	16:15-16:30pm		Adaptive Freezing of Backoff in LAA-LTE <i>NagaPriyanka Parvathareddy (College of Engineering, Pune, India); Varada Potnis Kulkarni (College of Engineering Pune, India)</i>
20	16:30-16:45pm		Polling vs No Polling: QoS driven performance analysis of IEEE 802.15.6 for varying data rate in WBAN <i>Suparna Biswas, Rajni Gupta and Gitanjali Pradhan (Maulana Abul Kalam Azad University of Technology WB, India)</i>

21	16:45-17:00pm		EECP: An Energy Efficient Coverage Preserving Protocol for Heterogeneous Sensor Networks <i>Sonam Maurya (PDPM-Indian Institute of Information Technology, Design and Manufacturing, Jabalpur, India); Vinod Kumar Jain (PDPM Indian Institute of Information Technology, Design and Manufacturing Jabalpur, India)</i>
22	17:00-17:15pm		A Finite Jitter Buffer Model for Time Division Multiplexing Over Packet Networks <i>Usha Rani Seshasayee (Madanapalle Institute of Technology and Science, Andhra Pradesh, India.); Manivasakan R (IIT, Chennai, India)</i>
23	17:15-17:30pm		Secrecy Performance Analysis of Relay Selection in Adaptive DF Relaying Network with Active Adversary <i>Sarbani Ghose (Indian Statistical Institute Kolkata, India); Sushmita Ruj (Indian Statistical Institute, Kolkata, India)</i>