

**The 1st International Workshop
On
Future Industrial Communication Networks
(FICN '18)**

**In conjunction with
ACM MobiCom 2018**

**November 2, 2018
New Delhi, India**

<https://sigmobile.org/mobicom/2018/workshops/ficn/index.html>

Technical Program

Title	Authors	Start	End
Registration & Breakfast		08:00 AM	09:00
Welcome by the Chairs		09:00	09:10
Industrial CPS over Wireless Networks: Performance, Design, Inference, Control	Anurag Kumar (Indian Institute of Science)	09:10	10:10
Anomaly Detection Algorithms for Smart Metering using Swarm Intelligence	Pradeep Subhash Paikrao (Indian Institute of Technology, New Delhi, India); Ranjan Bose (Indian Institute of Technology, New Delhi, India)	10:15	10:35
Digitalization of Electromechanical Auxiliary Relays in Substation Automation System	Aravind Ingalalli (ABB Corporate Research Centre); Srijit Kumar Bhadra (ABB Corporate Research Centre); Ashoka Shyamaprasad (ABB Grid Automation Products)	10:35	10:55
Coffee Break (11:00 - 11:30 AM)			
SecureIoT: Hop Count Based Service Oriented Efficient Security Solution for IoT	Sudip Misra (Indian Institute of Technology Kharagpur, India); Pushpendu Kar (Norwegian University of Science and Technology, Norway); Ankush Kr. Mandal (National Institute of Technology Durgapur, India); Hao Wang (Norwegian University of Science and Technology, Norway)	11:35	11:55

A Game of Incentives: An Efficient Demand Response Mechanism using Fleet of Electric Vehicles	Kuljeet Kaur (Thapar Institute of Engineering and Technology, Patiala, India); Sahil Garg (Thapar Institute of Engineering and Technology, Patiala, India); Neeraj Kumar (Thapar Institute of Engineering and Technology, Patiala, India); Albert Y Zomaya (University of Sydney, Australia)	11:55	12:15 PM
Lunch Break (12:45 - 02:00 PM)			
Industrial Communication – a Three Step Rocket	Linus Thrybom (ABB Corporate Research, Sweden)	02:00	03:00
Intent-based Networks: An Industrial Perspective	Barun Kumar Saha (ABB Corporate Research Center, India); Deepaknath Tandur (ABB Corporate Research Center, India); Luca Haab (ABB Power Grids, Switzerland); Lukasz Podleski (ABB Power Grids, Switzerland)	03:05	03:25
An Efficient and Secure Directed Diffusion in Industrial Wireless Sensor Networks	Jayasree Sengupta (IEST Shibpur); Sushmita Ruj (Indian Statistical Institute); Sipra Das Bit (IEST Shibpur)	03:25	03:45
Concluding Remarks		03:50	04:00
Coffee Break (04:00 - 04:30 PM)			