One Day First Online

International Symposium

on

"Technology Driven Innovations"

June 03rd, 2020

Organized by

School of Research & Technology

People's University, Bhopal

(Established under MP Act 17 of 2007)

A NAAC Accredited University

ISO 9001:2015 Certified

People's Campus, Bhanpur, Rajabhoj Airport Road

Bhopal-462037 (M.P.), India

Website: : www.peoplesuniversity.edu.in

About the Symposium:

Amongst these ominous times, there are many of us, who are struggle with courage and finding new ways to cope with the unusual state of affairs of COVID -19. Creativity is at a peak in such circumstances where you need to be innovative in your day-to-day life, work and survival. Life never stops its moves continuously, School of research & Technology, People's University is going to organize One Day International Symposium on "**Technology Driven Innovations**" on Wednesday , **June 03, 2020.**This symposium provides an excellent opportunity for delegates, Industrial Practitioner, Academic Researcher and experts to share their ideas on latest technologies and innovations.

Keynote Speaker:

Dr. Ramesh Patel (M' 12) received the Ph.D. degree in Electrical and Computer Engineering from Ulsan National Institute of Science and Technology (UNIST), Ulsan, South Korea in Feb 2020, the M.Tech. degree in Solid State Electronic Materials from Indian Institute of Technology Roorkee (IIT R), Roorkee, India, in July 2013, and the B.E. degree in Electronics and Communication Engineering from Rajiv Gandhi Proudyogiki Viswavidyalaya, Bhopal, India in June 2010. He is currently working as RF/mmW Design Scientist with the School of Electrical and Computer Engineering, Ulsan National Institute of Science and Technology (UNIST), Ulsan, South Korea. His current research interests include design and experiments of monolithic transistor-antennas for plasmonic mmWave detector (CMOS sensors) for realtime imaging applications. The idea is to combine electromagnetics and plasmonics in a single place by designing a ring-type asymmetric FET itself as a receiving antenna element which receives millimeter-waves in a loss-less manner with a plasmonic amplification for mmWave CMOS based detectors. He has around 7+ years of research experience in RF/mmWave antennas, automotive radar, metasurfaces and allied passive component's simulation utilizing electromagnetic CAD packages (HFSS, CST) and circuit simulators (ADS), and implementation of the same on the RF front-end module to make OTA measurements (or quasioptical). Other research focuses on developing machine learning models to enable fast, accurate design and verification of microwave circuits and systems.

Topic : Monolithic Transistor-Antenna Design for Plasmonic mmW detector (CMOS sensor) for real-time Imaging Applications

Dr. PRABHAT THAKUR is working as Post Doctoral Research Fellow in the Department of Electrical and Electronics Engineering Sciences, Faculty of Engineering and Built Environment, University of Johannesburg, South Africa. Previously, he served as Assistant Professor, in the Department of Electronics and Communication Engineering, Chandigarh University, India. He has received PhD and M. Tech degree in Electronics and Communication Engineering from the Department of Electronics and Communication Engineering, Jaypee University of Information Technology, Waknaghat, Solan, India in 2018 and 2015, respectively. He also worked as Research Fellow for the project sponsored by Indian Space Research Organisation (ISRO) in the Department of Electronics and Communication Engineering, Jaypee University of Information Technology, Waknaghat, Solan, India from Nov. 2015- Mar. 2018. The research interests are cognitive radio communication systems, Intelligent Transport Systems, compressive sampling, visible light communication, and signal processing. Recently, he is working towards the energy and spectral efficient as well as interference efficient designs for next generation industrial communication systems. In addition to a book entitled "Spectrum sharing in cognitive radio networks: Towards hilly connected environments" Wiley (In Press), he has authored more than 40 papers in well reputed International Journals and Conferences including IEEE Communication Letters, IET Communication, Computer Networks, and China Communication.

Topic : Spectral efficient designs for next generation communication systems

Link for Registration :..... (Free of Cost)

Every participant will get **E- Certificate after filling feedback form.**

Convener

Dr. D.K. Rajoriya,
Dean & Head of Institution, Faculty of Engineering

Co-Conveners

Mr. Manoj Singh Tomar
Associate Professor & Head, Electronics & Comm. Engineering
Ms. Raji N. Mishra
Associate Professor, Mechanical Engineering

Date and Day : 03 June 2020, Wednesday

Time : 11:30 AM

Note : Registration will be done on First Come First Serve basis. Online symposium will be scheduled on ZOOM App. Every participant will get **E- Certificate** after attending all the sessions and filling feedback form.

 # Please read the points mentioned below before join to "ZOOM Meeting "

1. Please keep your microphones muted at all times except when you have to speak.
2. Please turn off your video camera.(if possible)
3. Please ask questions or make comments only during the Q&A Session to be held after the technical session.
4. In case of any issue you can chat with us on chat box during sessions.

Contact Us:

Co-Conveners

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International Symposium

on

“Technology Driven Innovations”

Webinar Schedule

Timings	Event
11:30 AM	Start of the Symposium
11:30 AM – 11:32 AM	Initial Address by Ms. Raji N. Mishra (Co- Convener) and brief introduction of Eminent Speakers
11:32 AM – 11:35 AM	Welcome by Mr. Manoj Singh Tomar (Co- Convener)
11:35 AM – 11:37 AM	Address by – Hon’ble Dr. D. K. Rajoriya, HOI, Dean Faculty of Engineering.
11:38 AM – 11:40 AM	Address by – Hon’ble Mr. Ankit Dwivedi, General Manager, Business Development, People's University.
11:40 AM – 12:20 PM	I Technical Session By **Dr. RAMESH PATEL,** (UNIST), Ulsan, South Korea Topic: **Topic : Monolithic Transistor-Antenna Design for Plasmonic mmW detector (CMOS sensor) for real-time Imaging Applications**
12:20 PM – 12:30 PM	Q & A Session
12:30 PM – 01:15 PM	II Technical Session By **Dr. PRABHAT THAKUR,** Faculty of Engineering and Built Environment, University of Johannesburg, South Africa. Topic : **Topic : Spectral efficient designs for next generation communication systems**
01:15 PM – 01:25 PM	Q & A Session
01:25 – 01:30 PM	Vote of Thanks
01:30PM	End of Session
*Feedback form and Certificates will be sent after filling feedback form through emails.	