



Report of Webinar-7.0 on ‘Towards Universally Programmable Chip-Scale THz Source, Sensors and Systems: Bridging the THz and Application Gap in the Next Decade’

We are very happy to inform you that **IEEE MTT-S SBC IIT (BHU) Varanasi** along with **IEEE Photonics Society SBC IIT (BHU)** have enthusiastically organized a Webinar 7.0 on ‘Towards Universally Programmable Chip-Scale THz Source, Sensors and Systems: Bridging the THz and Application Gap in the Next Decade’ dated 5th November, 2020 at 19:30 hours IST. The speaker of the webinar was **Dr. Kaushik Sengupta, Princeton University, USA** and attended by nearly 100 participants from various academic institutes (like IITs, NIT, IIIT, CSIR labs and other renowned Universities), research institutes (TIFR, ISRO, and DRDO) as well as from foreign organizations.

On behalf of the two Societies, at the onset of the Webinar 7.0, the faculty advisors **Dr. Somak Bhattacharyya** and **Dr. Santanu Das** had welcome the audience. After the formal introduction of the speaker by Dr. Santanu Das, Dr. Kaushik Sengupta has described the fundamental need of terahertz communication. Initially, he talked about basics of the programmable chip-scale technology in details followed by the performance achieved by the integration of that technology into modern devices. In the second module, he described the design of the THz devices, systems and their applications. The talk was well appreciated by the audience present as the speaker has cleared a number of fundamental doubts regarding the research in THz devices and systems. He not only described it well but also provided clear view and encouragement to the young engineer/scientist who want to work in this field. The talk was followed by long discussion session as many doubts have been asked by the students. Finally, the event was concluded with a formal vote of thanks by Dr. Somak Bhattacharyya.

IEEE MTT-S & IEEE Photonics Society
Student Branch Chapter
IIT (BHU), Varanasi
Presents

Webinar on :
Towards Universally Programmable Chip-scale THz Source, Sensors and Systems: Bridging the THz and Application Gap in the Next Decade

Date: 5th November, 2020
(Thursday)
Time: 19:30 Hours (IST)

By
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