

## Workshop on 5G Understanding From Theory to Practice

### SCHEDULE

OCTOBER 3, 2021 | 10 AM - 1 PM

*5G Requirements with Layer 1 / 2 understanding*

OCTOBER 9, 2021 | 10 AM - 1 PM

*Layer 3 and Core Protocol with end to end call flow*

OCTOBER 16, 2021 | 10 AM - 12 PM

*Algorithms governing the 5G Network*

**The workshop is free to attend, but registration is obligatory. Please register by scanning the QR Code or accessing the link - [https://bit.ly/ComSoc\\_5G0ct](https://bit.ly/ComSoc_5G0ct)**



### ABSTRACT

5G is the fifth generation technology standard for broadband cellular networks, is the planned successor to the 4G networks which will provide connectivity to a new generation of cell phones. The main advantage of the new networks is greater bandwidth, giving higher download speeds, allowing new applications like massive internet-of-things (IoT), machine-to-machine areas, and reliability with low latency communication. In this workshop, we will understand ITU-R's 5G requirements, 3GPP defined 5G Network deployment architecture, Layer-1,2,3 protocols, Radio Access Network & Core Network functionalities, Call Flow, and varieties of Wireless Algorithms governing the 5G Network



### RESOURCE PERSON

***Dr. Saptarshi Chaudhuri***

***Chief Architect, Radysis | Researcher | Inventor***

Dr. Saptarshi has 25 years of extensive working experience broadly in the Wireless Communication domain in particular 6G/5G-Research, 5G-System Simulation, LTE/LTE-A Algorithm Research, and Design, 2G/3G/4G Wireless Product (RAN, EPC). Filled 120+ patent applications across multiple countries in the area RAN / Network Slicing, NOMA, RRM, Scheduler, SON, Data-offload, D2D, CRAN, LiFi with 37 Granted US Patents and 3 Granted European Patents. Authored 16 International peer-reviewed Conferences and Journal papers. He holds IEEE Senior Member position along with IEEE COMSOC Execom Bangalore Section