



**IEEE Antenna & Propagation Society (APS) and CRFID Chapter, Delhi
Section, India**

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**Department of Electronic Science
University Of Delhi South Campus, New Delhi, India**

In association with

M/s. Jyoti Electronics, Ahmedabad
Cordially invite you for Technical Webinar on

MIMO Antennas for 5G Communications using CST Studio Suite

June 5 - June 6, 2020

Objective of the webinar

Electromagnetic is one of the major aspects in the today's scenario of rapidly growing technology trends. To keep the pace with these technological trends, it is very important for the technocrats to understand the basic concepts of electromagnetic, the corresponding devices or components & the supporting available platforms to work on. In recent advancements, the 5G mobile communications system provides a far higher level of performance than the previous generations of mobile communications systems in terms of by specific uses and applications. 5G mobile communications has been driven to provide omnipresent connectivity for applications like, automotive communications; huge video downloads, as well as remote sensors and the IoTs. All advanced technologies like Wi-Fi, Long Term Evolution (LTE), and many others are using the new MIMO wireless technology, which provides increased link capacity and spectral efficiency combined with improved link reliability using so called interference paths. So, this webinar is intended to give the active RF designers a complete glimpse of simulating MIMO antennas at microwaves using CST studio suite.

Targeted Audience

All active research scholars, faculty members & emerging technocrats from industry.

Proposed content to be delivered during webinar

DAY 1-

- ✚ Introduction of CST Studio Suite & its different features.
- ✚ Introduction of different templates available in CST Studio Suite like MWS Studio, EMI/EMC Studio, PCB Studio & many more.
- ✚ Demonstration of different modelling tools available in CST Studio Suite.
- ✚ Design & demonstration of few conventional antennas & their result analysis using antenna parameters.



✚ Q&A session.

DAY 2-

- ✚ Introduction of CST Design Studio.
- ✚ Design & demonstration of some application specific antennas & their result analysis.
- ✚ MIMO antenna- introduction, properties, Design Challenges
- ✚ MIMO antenna design, simulation & their result analysis
- ✚ Q&A session.

Coordinated by

Dr. Kamlesh Patel & Mr. Amit Birwal, Assistant Professor, Department of Electronic Science, UDSC

Kindly register on:

<https://forms.gle/rrCdB1rqrSH4bNiAA>

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