

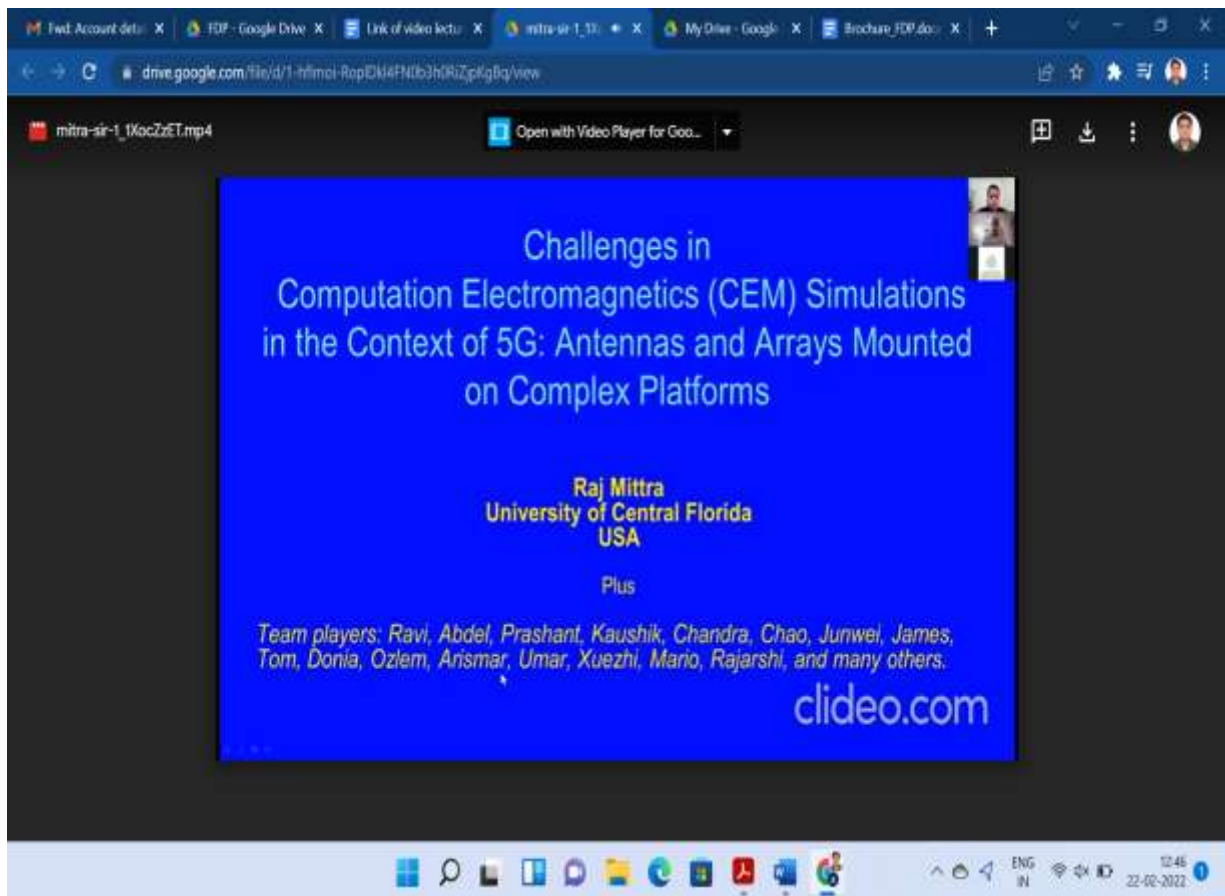
One-week Online International Faculty Development Program

on

“Computational Techniques for Electromagnetics”

Duration: December 27-31, 2021.

**Coordinators: Mr. Sumit Kumar Khandelwal, Assistant Professor, Department of ECE, DTU
Dr. Ravi Kumar Arya, XSL, China**



The image shows a screenshot of a web browser displaying a video player. The video player is showing a presentation slide with a blue background and white text. The slide title is "Challenges in Computation Electromagnetics (CEM) Simulations in the Context of 5G: Antennas and Arrays Mounted on Complex Platforms". The presenter is identified as Raj Mittra, University of Central Florida, USA. Below the title, it says "Plus" and lists team players: Ravi, Abdel, Prashant, Kaushik, Chandra, Chao, Junwei, James, Tom, Donia, Ozlem, Anisamar, Umar, Xuezhai, Mario, Rajarshi, and many others. The clideo.com logo is visible in the bottom right corner of the slide. The browser's address bar shows the URL "drive.google.com/file/d/1-nlmoi-RopDN4FNljb3hRiZptkgBq/view". The Windows taskbar is visible at the bottom of the screen, showing the time as 12:45 on 22-02-2022.

Windows taskbar: Fwd Account deta... FDP - Google Drive... Link of video lectu... Mitra se 2 (an... My Drive - Google... Brochure FDP.doc...

Browser address bar: drive.google.com/file/d/1wVqj9lqPTTLfqaw8EYeMSX5ayjSIhWMR/view

ANSYS EMIT

RF Interference Simulation Tool that solves

- Complex scenarios with multiple RF systems operating simultaneously.
- Includes all system-level interactions needed to identify interference problems.
- Non-linear models for intermodulation products.
- Provides the complete simulation framework for RF scenario level modeling to predict and mitigate complex RFI effects.

Applications

- RF system design and integration
- Platform-level cosite interference
- Wireless/RF coexistence
- EMI/EMC
- Automotive
- Aerospace
- Space/Satellite
- Medical electronics
- Wireless devices
- Communication sites
- Electronic Warfare



ANSYS


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video1094696681.mp4

Open with Video Player for Goo...



3:32 / 2:18:12

Windows taskbar: ENG IN 13:24 22-02-2022

Multiple Input Multiple Output (MIMO) Antenna with Pattern and Polarization Diversity

Dr. Ashwani Kumar
Assistant Professor
School of Engineering, Jawaharlal Nehru University
New Delhi-110067, India

38:21

0:35 / 1:01:38

Windows taskbar showing system tray with date 22-02-2022 and time 11:25.

drive.google.com/file/d/1k0YkqCTb_vT540vA-pxvV9u6USG/view

video2488174101.mp4

Open with Video Player for Google Drive

Curved Lens vs. Flat Lens

Traditional Curved lens

Flat lens

Focal point

Focal point

K. K. Ansari, S. Pandey, K. Mishra, "Flat lens design using artificially engineered materials," Progress In Electromagnetics Research C, Vol. 64, pp. 11-18, 2016.

15:31

22-02-2022