

Research Colloquium(**VLSI & ES GROUP**) on 04-08-2018

1. Dr. Y. Amar Babu had given a presentation on “ On-chip Interconnects ” in ICs. In the presentation, the recent technology using for on-chip interconnects (Optical, Nano Technology) is discussed.
2. Dr.S.V. Jagadeesh Chandra had given a presentation on “ Low Power VLSI technology with High-K Materials ”. In the presentation, the new materials using for MOSFET Gate is discussed.
3. Dr. P. Lachi Reddy had given a presentation on “ Investigations on the Nitride Interface Engineering at HfO₂ / Ge stacks for MOSFET devices”. In the presentation, the use of Nitride, Ge in MOSFET designing is discussed.



Dr. Y. Amar Babu



Dr. S.V. Jagadeesh



Dr. P. Lachi Reddy



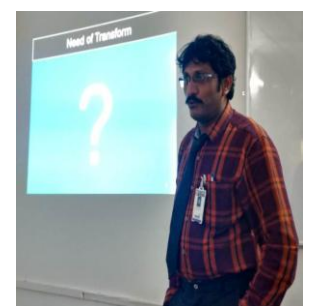
Research Group

Research Colloquium(**SIGNAL PROCESSING GROUP**) on 13-08-2018

1. Dr. E. V. Krishna Rao had given a presentation on “ A Motivation towards Research “. In the presentation, the importance of Deep Learning aspects and its applications are highlighted.
2. Prof. B. Ramesh Reddy had given a presentation on “ Applications on Fourier Transforms “. In the presentation, the different applications of Fourier transforms in Signal Processing is discussed.
3. Mr. M. Siva Sankara Rao had given the presentation on “ Atmospheric variations based on Processing of MST Radars “. In the presentation, the atmospheric layer characteristics and its effect is discussed.



Dr. E. V. Krishna Rao



Prof. B. Ramesh Reddy



Mr. M. Siva Sankara Rao



Research Group

Research Colloquium(**COMMUNICATIONS GROUP**) on 18-08-2018

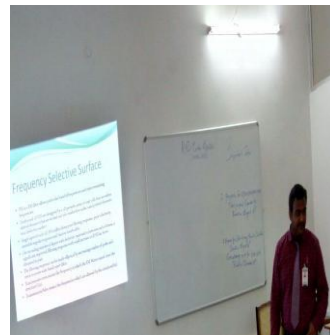
1. Dr. M.V. Sudhakar had given a presentation on “ Optical Wireless Communications systems for airborne applications” . In the presentation, the design of optical wireless system for inter aircraft communication is discussed.
2. Mrs. K. Rani Rudrama had given a presentation on “ Design & Analysis of a New Metamaterial Structure and its importance in Antenna Design ”. In the presentation, performance of full ground, half ground Metamaterials structures are discussed.
3. Mr. B. Siva HariPrasad had given a presentation on “ Design of 3D Frequency selective surfaces with multiple transmission poles and zeros with good elliptical response.”. In the presentation, role of surfaces acts like a filter and reflector is discussed.



Mr. M.V. Sudhakar



Smt. K. Rani Rudrama



Mr. B. Siva HariPrasad



Research Group

Research Colloquium (**VLSI & ES GROUP**) on 25-08-2018

1. Dr. G. Srinivasulu had given a presentation on Power and Delay aware VLSI Circuit Design “. In the presentation, the low power designing aspects is discussed.
2. Mr. B.V.R. Siva Kumar had given a presentation on “ Developments in Exoskeletons “. In the presentation, the solutions to assist handicapped / disabled persons is discussed.
3. Mr. G. Venkata Rao had given the presentation on “ MOS for High frequency applications “ . In the presentation, the performance improvement of MOS transistor at high frequencies is discussed.



Dr. G. Srinivasulu



Mr. B. V. N. R. Siva Kumar



Mr. G. Venkata Rao