

M.TECH. THESIS DEFENCE

Speaker: Mr. Sarthak Jain

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Title: Effect of Annealing Temperature on Imidazolin-5-one molecule/P3HT: PCBM Ternary Planar-Bulk Hetero-Junction Organic Solar Cells Performance

Date: 21st, February, 2017

Time: 04:00 – 05:00 PM

Place: Samtel Centre Seminar Room (access from ground level)

Abstract: Ternary imidazolin-5-one molecule/P3HT: PCBM planar-bulk hetero-junction devices were fabricated for this work. The films were subjected to annealing at different temperatures between 100 to 200 C and the effects of the annealing temperature on the device parameters were studied. The optimal annealing temperature was found to be 165 C which resulted in the highest ternary organic solar cell efficiency of 3.9%.