

Internal Webinar

Studying the defect controlled charge dynamics in organic-inorganic halide perovskite based solar cells

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In this presentation, I will discuss about the research work taken into account until present. My research work revolves around the fabrication of perovskite based devices and studying the device sciences. I have majorly explored the impact of defect-driven phenomena like light-soaking effect, negative capacitance, limiting factors for open-circuit voltage and transient behaviour in organic-inorganic halide perovskite-based solar cells. All these research consist advanced optoelectronic characterisation tools to probe the relevant processes from steady to transient states.

Friday, Aug 14th 2026

11:30 Hrs

