



Contribution ID: 142

Type: **Presentation**

## Luminescence studies of CaQ2 organic phosphor for OLED applications

UV photo-excited luminescence from CaQ2 organic phosphors and PMMA based thin films for OLED application has been investigated. The intense emission of the spectrum is assigned to the complex polymer network of the Ca ions in the 1-8 hydroxyl quinoline networks. CaQ2 phosphor was synthesized by the co-precipitation method. The FTIR and photoluminescence (PL) characterization of the phosphors are reported in this paper.

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**Track Classification:** Track A - Condensed Matter Physics and Material Science