

第174回 OPERA研究交流セミナー

第165回 ISIT有機光エレクトロニクス研究特別室セミナー

第232回 未来化学創造センターセミナー



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場所:九州大学 共進化社会システムイノベーション施設 2F大会議室

## Electronanopatterning of pi-Conjugated Electropolymerizable **Polymer Precursors**

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This talk will focus on the use of pi-conjugated polymer precursors for electro-patterning nano-resolution patterns using conducting or current-sending AFM. The method involves the rational approach of preparing pi-conjugated polymers capable of crosslinking and also electrochemical activity. The interest is on light emitting diode (LED) devices and photovoltaic (PV) devices. By using the precursor polymers, electrochemical methods capable of depositing as insoluble films or patterns enable patterning and multilayer formation. Application of a biasvoltage from an AFM tip is used for electronanopatterning but also junction-tunneling allows for signal voltage-current measurement – making them useful for memory devices or sensing.

主催:九州大学 最先端有機光エレクトロニクス研究センター

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