

Synthesis of crosslinkable low molecular weight and high molecular weight semiconductor materials.

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The talk describes our efforts to provide materials for the production of components for organic electronics by wet processing. If successful, this would result in enormous cost reductions compared to established processes, while at the same time expanding the possibilities for manufacturing large-area displays. The problem to be solved is that in the manufacture of multilayer components, intermixing of the successive layers must be avoided. To reach this goal, various approaches have been pursued including the Synthesis of (cross-linkable) functional materials, innovative approaches to fluid formulation through the use of organogelators and positioning of functional units and crosslinkable groups in the repeat units of stereoregular polymers with the final goal to produce CPL-emitting OLEDs.