



Manufacturing electronic devices using embossing and microcontact printing

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This project, from design engineers experienced in using printing as a fabrication process for electronics, will investigate a novel and exciting approach to high speed fabrication of micron-scale features in electronic devices. We propose to use the technique of embossing, which has been refined within the printing industry to sub-micron resolution, for applications such as embossed holography or micro-fabrication in electronics production processes. This goal presents various challenges in surface physics, materials science and in precision engineering. We also intend to investigate possible approaches to adapting microcontact printing for mass manufacture.