

***Microassembler Printer***

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**Abstract:**

We are developing a process to assemble and orient micro-objects, and then transfer them to a final substrate to be used for electronics, sensors, metamaterials and other applications. The process uses directed electrostatic assembly to enable micrometer scale registration and parallel assembly with open and closed loop control. We transfer the assemblies to final substrates with parallel or roll based-based methods.

**Biography:**

Eugene Chow earned a B.S. from UC Berkeley in engineering physics, and did graduate work at Stanford University (engineering management M.S., electrical engineering M.S., PhD). He current leads a microsystems research group at PARC, a Xerox Company, focusing on novel printing-related processes for a variety of applications in electronics and biomedicine. PARC performs research with Xerox, other companies and the government. He's an alumnus of the CAL Band.