MEMSTIM LLC

One pulse over the horizon

# Company Profile

MEMStim is a Louisville KY based early stage startup dedicated to enhancing the full lives of individuals with Parkinson’s tremors, chronic pain, or hearing loss. Through microfabrication, we enable low cost high performance neurostimulators. Employees of MEMStim enjoy an environment in which their singular contributions have a great impact on the success of the startup and medical innovation at large.

**Seeking – Microfabrication Engineer: Full-Time**

Position Description

The Microfabrication Engineer reports to the System Integrator and is responsible for key aspects of the design, fabrication, reliability test and assembly of critical components of the microfabricated neurostimulator system. In your new role you will:

# Required Experience

Education Masters or PhD in:

Biomedical/Electrical/

Chemical/Mechanical Enginering, Material Science, Physics or related field.

* Design microsystem components and test-devices
* Produce masks and tooling to implement component designs

Research

&

Microfabrication; microsystem assembly,

* Microfabricate system components and verify functionality in a cleanroom setting
* Test the reliability of prototypes and manage the transition into production
* Design tooling for device assembly processes

Development microfluidics, advanced

failure analysis (electrical,

mechanical or electrochemical); data acquisition and embedded controls; soft polymer MEMS; flexible electronics

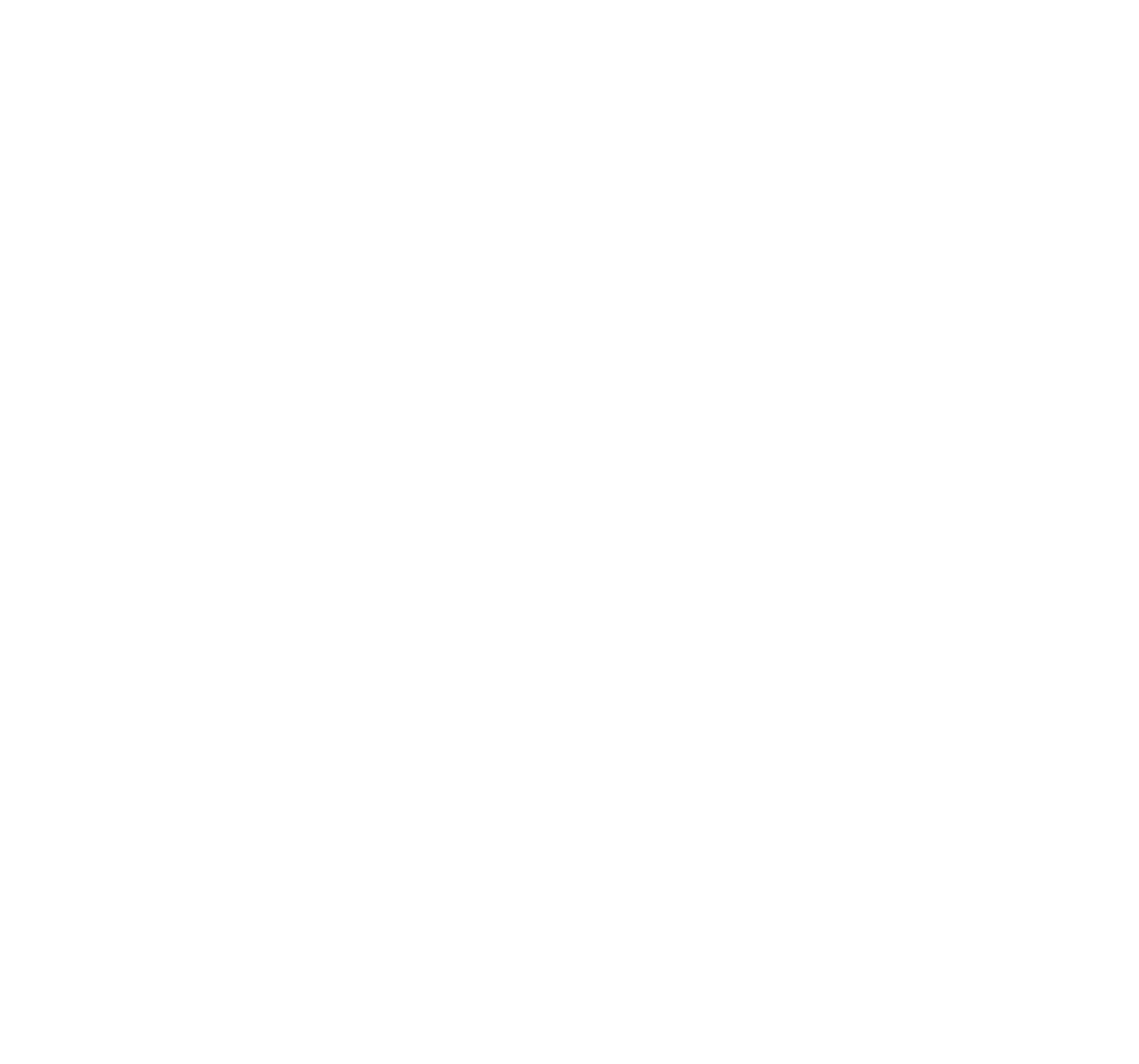
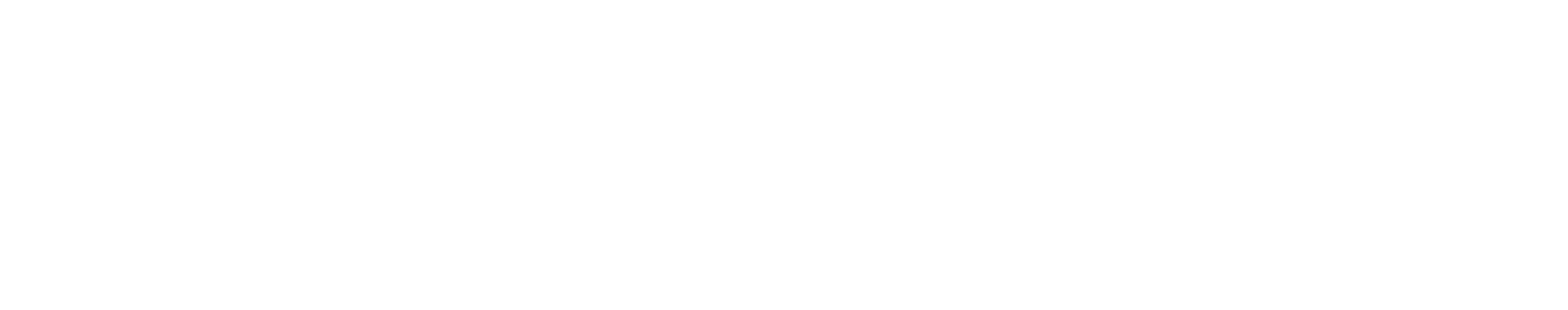
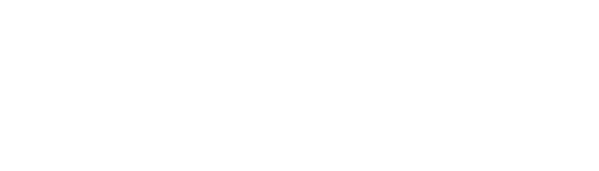
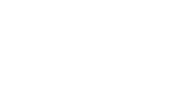
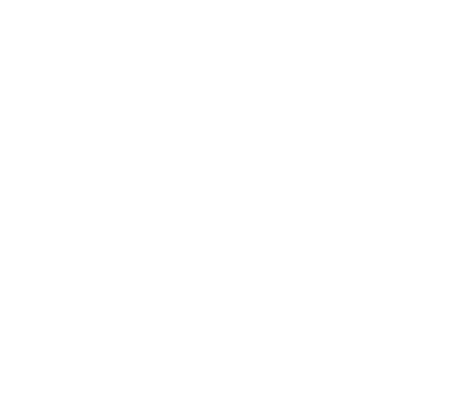
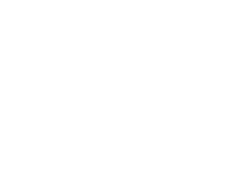
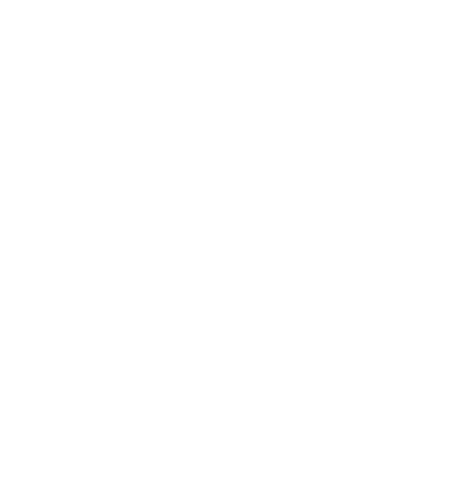
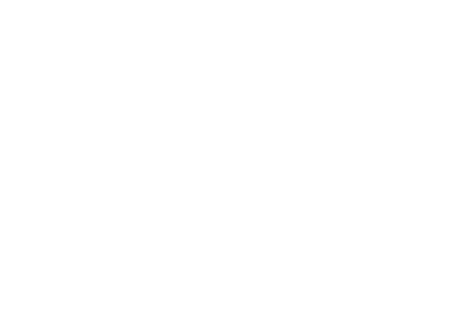
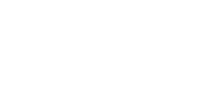
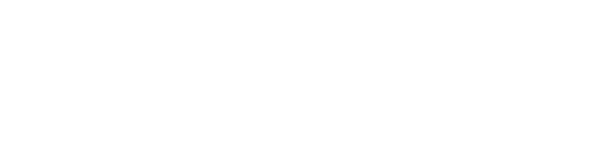
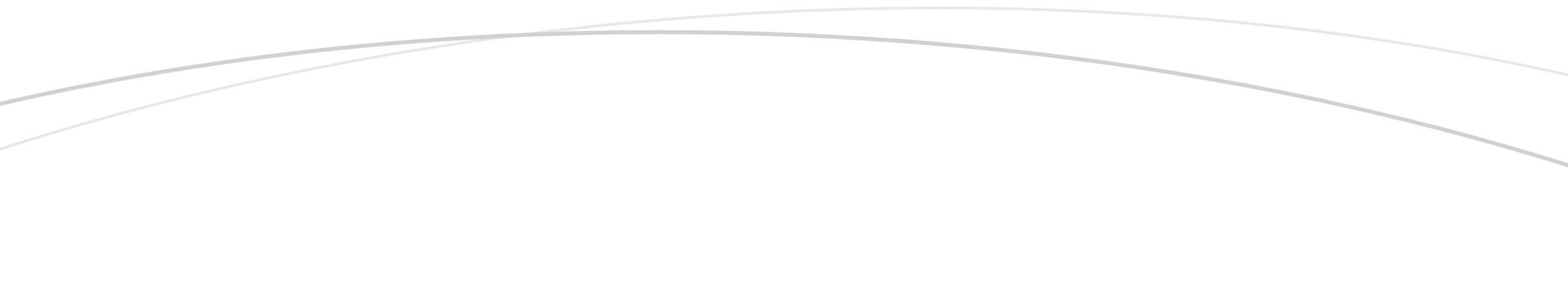
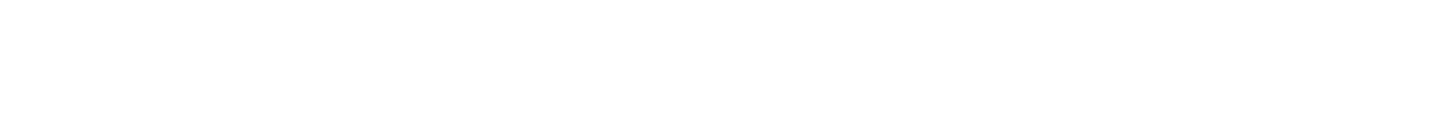
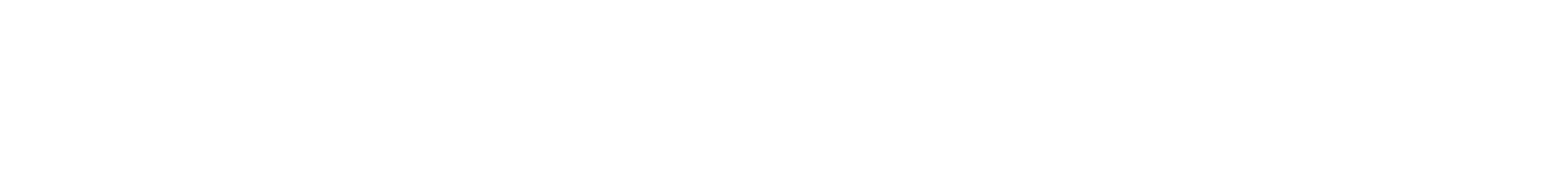
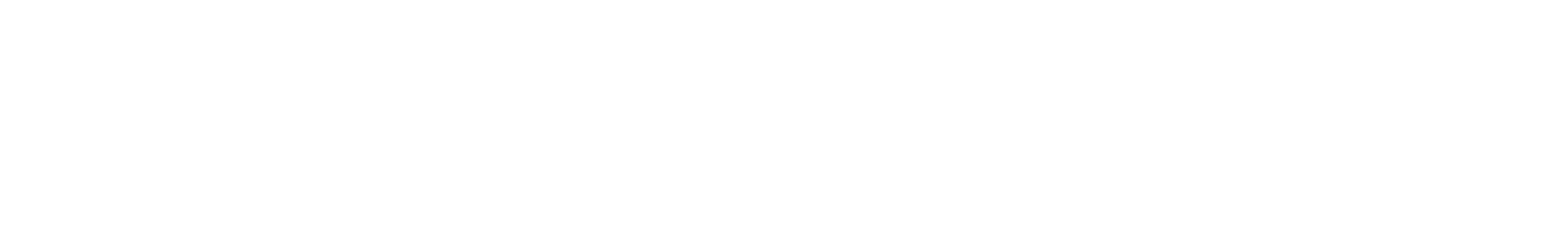
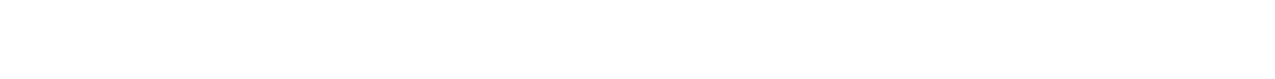
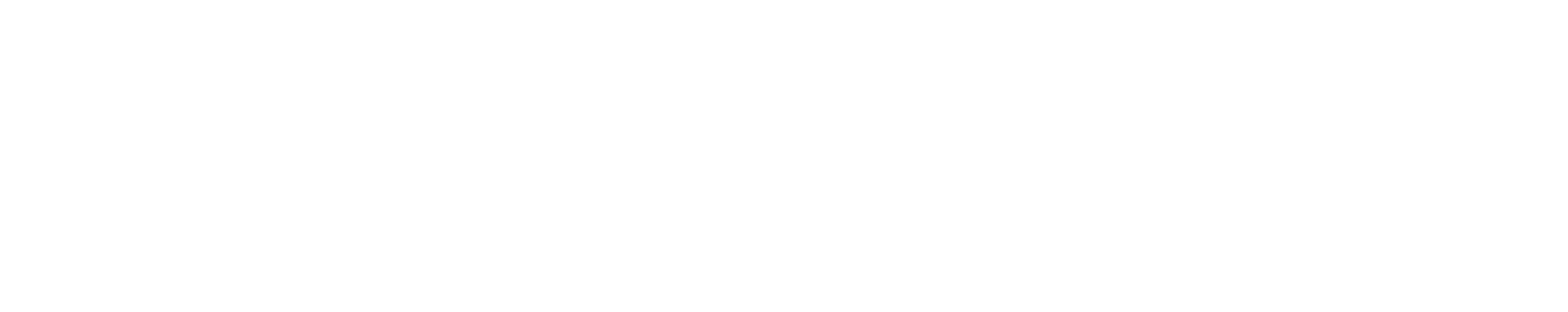
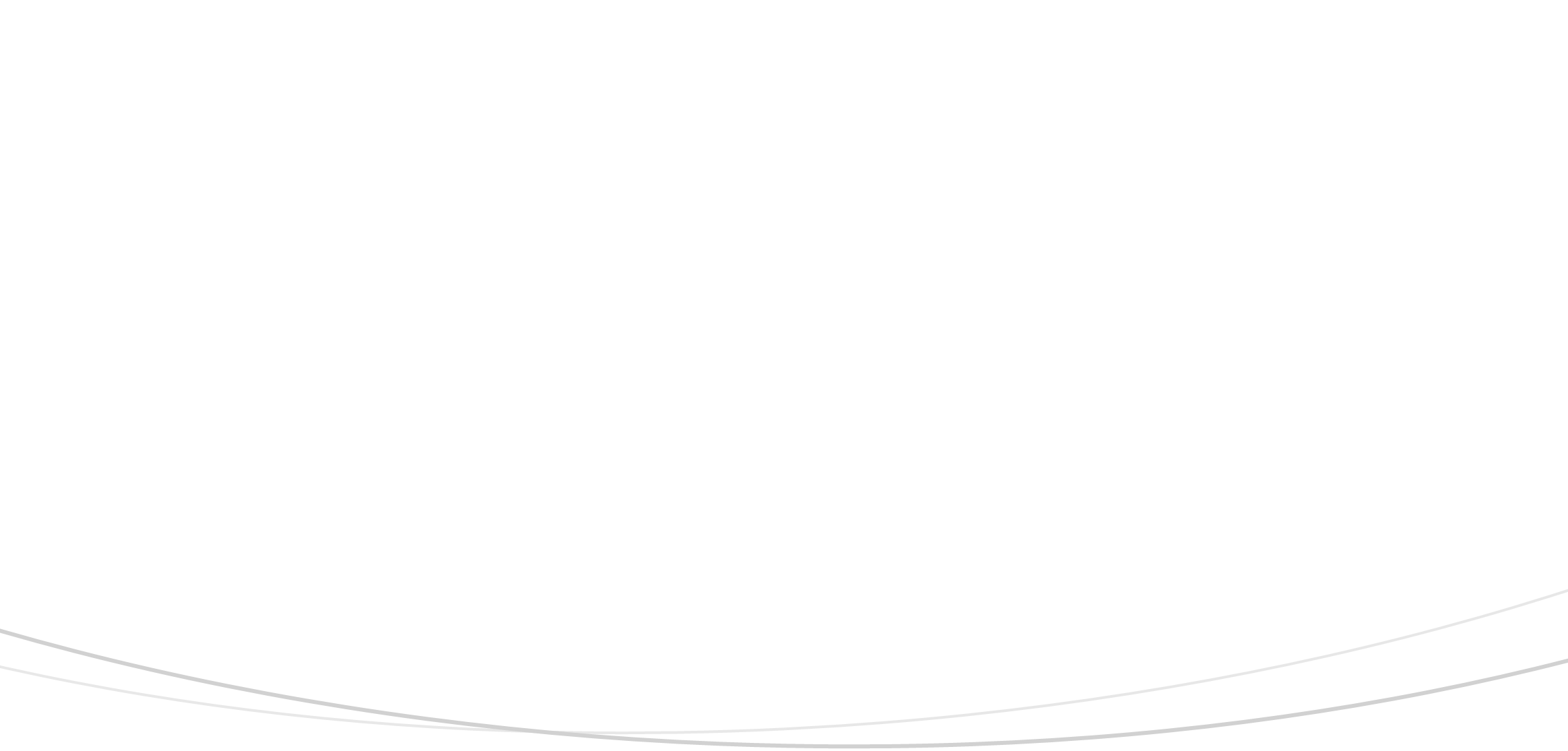
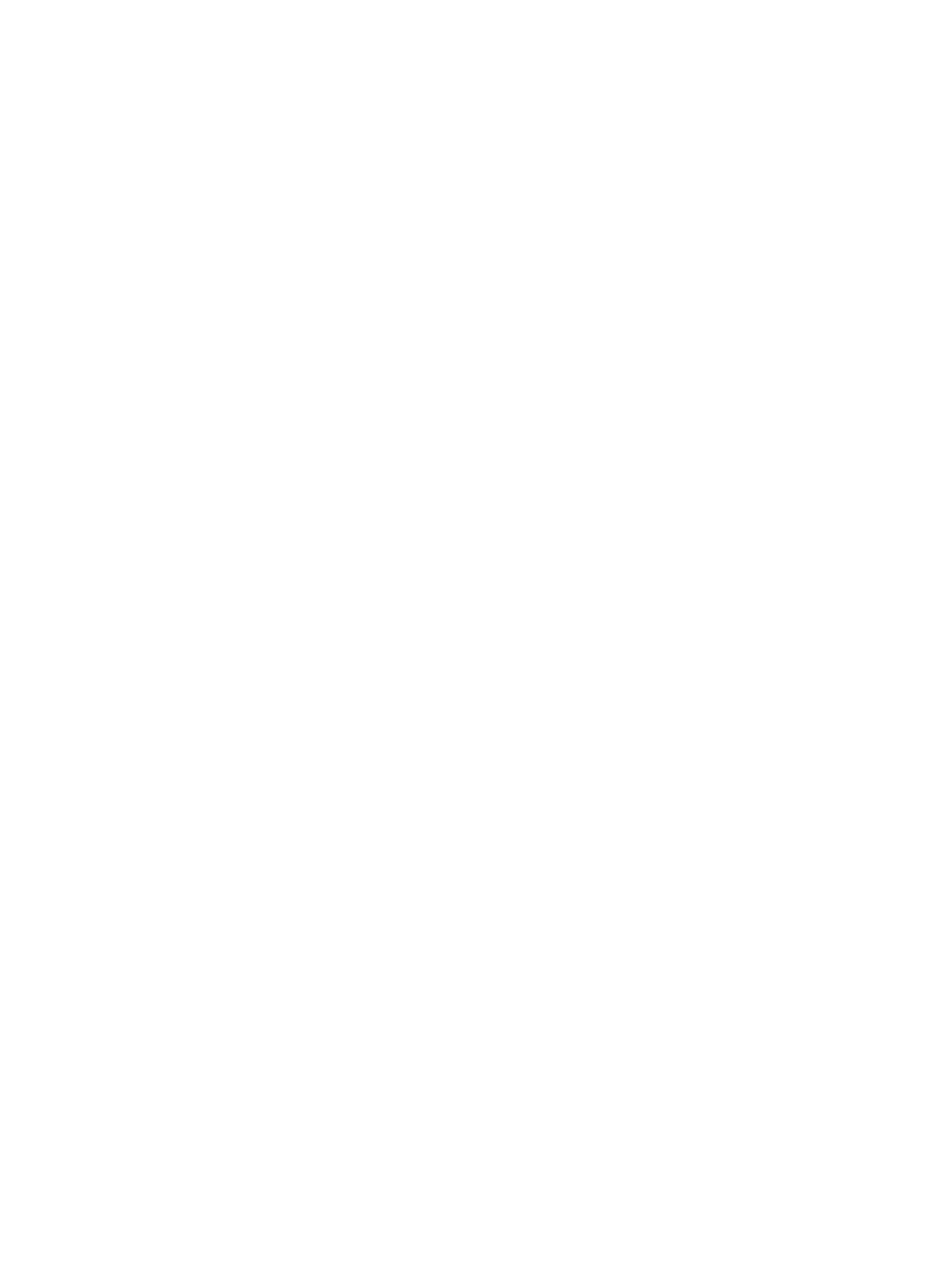
* Perform failure analysis of nonconforming components or assemblies
* Develop and use working knowledge of hybrid microcircuit assembly processes including soldering, wire bonding, micro welding, epoxy attach and cleaning techniques
* Design & assemble testing stations for reliability tests of processes and products
* Create automated assembly and test programs with associated documentation

Skills

Wire bonding; injection molding; micro welding; thin-film deposition and etching; CAD software; electroplating; Instron testing systems; National Instruments Data Acquisition Systems

* Conduct mechanical failure analysis of components and assemblies

**MEMStim LLC is an equal opportunity employer**



**HOW TO APPLY**

For best consideration, apply by August 31st, 2016. However, the announcement will remain open until all positions are filled. Applicants should send a resume or CV and cover letter outlining how they meet the specific requirements of the position to [info@memstim.com](mailto:info@memstim.com)

**Please note, the selected candidate will be required to submit to any special requirements e.g., criminal records check.**