

## **C. Research Areas in MEMS Design & Process Technology**

<b>C.1</b>	<b>Micro Fluidics:</b> Simulations to capture following behaviors <ul style="list-style-type: none"><li>• Movement of ionic fluid (EMI-BF4) in a micro-capillary under the influence of electric field.</li><li>• Formation of Taylor's Cone at the capillary tip under the influence of electric field.</li><li>• Spray formation &amp; droplet movement under the influence of electric field.</li></ul>
<b>C.2</b>	<b>Design &amp; development of MEMS based THz devices for space applications.</b>
<b>C.3</b>	<b>Design &amp; development of MEMS flow sensor for low flow rate measurements</b>
<b>C.4</b>	<b>Design and Development of Nano Sensors for space applications</b>