Confined and Submerged Jet Impingement
Faculty: Suresh V. Garimella

**Objective**
Develop a comprehensive understanding and design guidelines for use of confined air and liquid jet impingement for high heat flux cooling applications.

**Approach**
Experimentally and numerically investigate heat transfer, pressure drop, flow fields and flow patterns in air, water and fluorinert impingement, and propose predictive correlations for use in design and optimization.

**Impact**
This wide-ranging study provides a complete toolkit for implementation of jet impingement for cooling electronics in confined spaces, including the use of surface enhancements.

**Selected Publications**

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