Inlet Manifold Considerations for Microchannel Heat Sinks
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**Objective**
To study effects of inlet manifold designs on flow maldistribution in microchannel heat sinks.

**Impact**
- Develop an understanding of underlying causes of flow maldistribution.
- Develop guidelines to avoid flow maldistribution in microchannel heat sinks.

**Approach**
Numerical simulations are used to predict the fluid behavior inside a microchannel heat sink, and are validated against experimental (IR-μPIV) measurements.

**Selected Publications**