

Awarded the Half-Time Research Assistantship (HTRA) by the Indian Ministry of Human Resource Development (MHRD) as a scholarship to pursue Masters in Mechanical Engineering, 2012

Contributions to Science

1. *Thermal management of Data centers* *Binghamton University*

One of my contribution to science was in the field of data Centre cooling using air cooled heat sink, single phase liquid and two phase cold plates. Under a Semiconductor Research Corporation (SRC) Grant I have collaborated with students and scholars in my group to develop experimental facilities and optimization methodology to characterize and improve the performance of the currently working designs respectively. An Artificial Neural Network (ANN) combined with Genetic Algorithm was successfully demonstrated for optimization. The experiments were carried about in both

Flux Applications." In *2020 36th Semiconductor Thermal Measurement, Modeling & Management Symposium (SEMI-THERM)*, pp. 1-