

Journal of Electronics Cooling and Thermal Control



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Journal of Electronics Cooling and Thermal Control (JECTC) is a quarterly, peer-reviewed, academic journal. It aims to provide a vehicle for the exchange and dissemination of original research results, technical notes, and state-of-the-art reviews pertaining to the electronic cooling and thermal system control technology in the computer and electronics industries.

Subject Coverage

This journal invites original research and review papers that address the following issues. Topics of interest include, but are not limited to:

Fundamentals and applications of heat/mass transfer processes for the electronics and micro-electronics, such as

- Base board design and material structure
- Control scenario
- Fan design and performance
- Forced convection heat transfer
- Heat storage
- High heat conductive materials
- Insulation
- Interface thermal contact performance
- Natural convection heat transfer
- Phase changing heat transfer
- Phonon
- Radiation
- Spray cooling
- Temperature stability

Technologies based on these transport processes such as

- Enhanced heat/mass transfer in precision-, micro-electronics, information technology
- Heat pipe
- MEMS (Micro-Electro-Mechanical-Systems) and NEMS (Nano-Electro-Mechanical-Systems)
- Various electronic devices, etc.

We are also interested in: 1) Short reports—2-5 page papers where an author can either present an idea with theoretical background but has not yet completed the research needed for a complete paper or preliminary data; 2) Book reviews—Comments and critiques.

Notes for Intending Authors

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