

### **Book chapters:**

- 1) R. Prasher, & C-P Chiu, "Thermal Interface Materials," Materials for Advanced Packaging, Springer (D. Lu & C.P. Wong eds.)
- 2) A. Bar-Cohen, A. Watwe, R.S. Prasher, "Heat Transfer in Electronic Equipment," Handbook of heat transfer, Wiley (A. Bejan, and A.D. Kraus eds.)
- 3) P. Phelan, P. Bhattacharya, R. Prasher, "Nanofluids for Heat Transfer Applications," Ann. Rev. of Heat Tran., Vol. 14 (2005)
- 4) P. Phelan et al., "Light Induced Energy Conversion in Liquid Nanoparticle suspension," Advances in numerical heat transfer, Vol. 1V (2013)

### **Magazine articles:**

- 1) Mahajan, R., Chiu, C-P., and Prasher, R.S., 2005 "Thermal Interface Materials: a Brief Review of Design Characteristics and Materials," Electronics Cooling, Vol. 10, No. 1
- 2) Sauciuc, I., Prasher, R.S., Chang, J-Y., Mahajan, R., and Migliaccio, 2005 "Bearing Life: A Future Package Cooling Challenge," Advanced Packaging, July, 2005

### **Refereed Journal Publications:**

#### **2016**

- 1) Lee, S., et al., 2016, "Low-Temperature Melting of Silver Nanoparticles in Subcooled and Saturated Water," *J. of Heat Transfer*, Vol. 138, 052301

#### **2015**

- 2) Vishwakarma, V., et al., 2015, "Heat transfer enhancement in a lithium-ion cell through improved material-level thermal transport," *J. of Power Sources*, Vol. 30, 123
- 3) Lee, S., et al., 2015, "The effective latent heat of aqueous nanofluids," *Materials Research Express*, Vol. 2, 065004
- 4) Shi, L., et al., 2015, "Evaluating broader impacts of nanoscale thermal transport research," *Nanoscale & Microscale Thermophysical Engineering*, Vol. 19, 127

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- 8) Lee, S. et al., 2014, "Experimental investigation of the latent heat of vaporization in aqueous nanofluids," *App. Phys. Lett.*, Vol. 104, 151908
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- 12) Miner, M.J. et al, 2013, “Optimized expanding microchannel geometry for flow boiling,” *J. of Heat Transfer*, Vol. 135, 042901

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- 13) Taylor, R. et al., 2012, “Socioeconomic impacts of heat transfer research,” *International Communications in Heat and Mass Transfer*, 39, 1467
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