

## LMM/CVB Publications and Presentations

- S. J. Gokhale, J. L. Plawsky, and P. C. Wayner, Jr. , “Spreading, Evaporation, and Contact Line Dynamics of Surfactant Laden Micro-Drops” *Langmuir*, Vol. 21, pp 8188-8197, No. 18, Sept. 2005.
- Sashidhar S. Panchamgam, Joel L. Plawsky, and Peter C. Wayner, Jr. ,”Microscale Heat Transfer in an Evaporating Moving Extended Meniscus”, *Experimental Thermal and Fluid Sciences*, Vol. 30, pp 745-754 (2006).
- Sashidhar S. Panchamgam, Joel L. Plawsky, and Peter C. Wayner, Jr. , “Influence of Marangoni Stresses and Slip on Spreading Characteristics of an Evaporating Binary Mixture Meniscus” *Proceedings of the 9th Joint AIAA/ASME Thermophysics and Heat Transfer Conference*, San Francisco, CA June 5-8, 2006.
- Sashidhar S. Panchamgam, Joel L. Plawsky, and Peter C. Wayner, Jr. , “Experimental Evaluation of Marangoni Shear in the Contact Line Region of an Evaporating 99 + % Pure Octane Meniscus” ICNMM2006-96060, *Proceedings of 4th International Conference of Nanochannels, Microchannels and Minichannels*, June 19-21, 2006, Stokes Research Institute-University of Limerick, Limerick, Ireland, To be Published in *ASME Journal of Heat Transfer*, November, 2007.
- Sashidhar S. Panchamgam, Joel L. Plawsky, and Peter C. Wayner, Jr., “Spreading Characteristics and Microscale Evaporative Heat Transfer in an Ultra-Thin Film Containing a Binary Mixture,” *ASME Journal of Heat Transfer*, 2006, 128, pp. 1266- 1275.
- Peter C. Wayner, Jr., “Effects of Interfacial Phenomena and Conduction on an Evaporating Meniscus,” ICNMM2007-30021 *Proceedings of Fifth International Conference on Nanochannels, Microchannels and Minichannels*, June 18-20, 2007. Universidad De Las Americas Puebla, Mexico.
- Sashidhar S. Panchamgam, Joel L. Plawsky and Peter C. Wayner, Jr. “Spreading Characteristics and Microscale Evaporative Heat Transfer in a Moving Meniscus Containing a Binary Mixture,” *AICHE Paper #22828 Presented at 2005 Annual AIChE Meeting*, Cincinnati, OH, Oct 30 – Nov. 4, 2005.
- Sashidhar S. Panchamgam, Joel L. Plawsky and Peter C. Wayner, Jr. “Microscale Heat Transfer and Fluid Flow in an Evaporating Moving Extended Meniscus,” *AICHE Paper #23015* ,Presented at 2005 Annual AIChE Meeting, Cincinnati, OH, Oct 30 – Nov. 4, 2005.
- Sashidhar S. Panchamgam, Joel L. Plawsky, and Peter C. Wayner, Jr., ”Reflectivity Based Analysis of Contact Line Behavior and Microscale Heat Transfer in Binary Ultrathin Films,” Presented at *AIChE 2006 Annual Meeting*, November 12-17, 2006, San Francisco, California.

Arya Chatterjee, Joel L. Plawsky and Peter C. Wayner, Jr., "A Multiscale Model For The Constrained Vapor Bubble Heat Pipe" Presentation #94435, 2007 Annual AIChE Meeting, November 4-9, 2007, 2007, Salt Lake City, Utah.