1. PUBLICATIONS AND PRESENTATIONS FOR NNC05GA27G.

(February 1, 2007 STATUS)

PRESENTATIONS, NNC05GA27G [PR]:

PR 01) Presented at 2005 Annual AIChE Meeting (Cincinnati, OH, Oct 30 – Nov. 4)
AICHE Paper #22828 : 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” Extended Abstract submitted 9-02-05.

PR02) Presented at 2005 Annual AIChE Meeting (Cincinnati, OH, Oct 30 – Nov. 4)
AICHE Paper #23015 : Sashidhar S. Panchamgam, Joel L. Plawsky and Peter C. Wayner, Jr. “Microscale
Heat Transfer and Fluid Flow in an Evaporating Moving Extended Meniscus” Extended Abstract submitted
9-02-05.

PR 03) (previously SU 01) Sashidhar S. Panchamgam, Joel L. Plawsky, and Peter C. Wayner, Jr.
,“Microscale Heat Transfer in an Evaporating Moving Extended Meniscus”, ECI Conference on
Microscale Heat Transfer, Sept. 25-30, 2005, Castlevecchio Pascoli (Tuscany) Italy.

PR 04) Sashidhar S. Panchamgam, Joel L. Plawsky, and Peter C. Wayner, Jr., "Reflectivity Based Analysis
of Contact Line Behavior and Microscale Heat Transfer in Ultrathin Films," Poster at the 2nd Annual Tech
Valley Engineering Symposium, April 18, 2006, Albany, NY.

PR 05) (previously SU 04) Presented at 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. , “Influence of Marangoni Stresses and Slip on Spreading Characteristics of an Evaporating
Binary Mixture Meniscus.”

PU 01) (previously SU 02 and originally SU 16 under NAG 3-2383) S. J. Gokhale, J. L. Plawsky, and P.
C. Wayner, Jr. , “Spreading, Evaporation, and Contact Line Dynamics of Surfactant Laden Micro-Drops”

PU 02 ( previously SU 01) Sashidhar S. Panchamgam, Joel L. Plawsky, and Peter C. Wayner, Jr.
,"Microscale Heat Transfer in an Evaporating Moving Extended Meniscus", Experimental Thermal and
Microscale Heat Transfer, Sept. 25-30, 2005, Castlevecchio Pascoli (Tuscany) Italy].

PU 03) (previously SU 04) 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.
PU 04) (previously SU 05) 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” Manuscript submitted to 4th International Conference of Nanochannels, Microchannels and Minichannels, June 19-21, 2006, Stokes Research Institute-University of Limerick, Limerick, Ireland.


THESES [T], RELATED STUDENT PROPOSALS [PRO, NNC05GA27G]:


ANNUAL PROGRESS REPORTS [ANN] NNC05GA27G:

2. PUBLICATIONS AND PRESENTATIONS FOR NAG3-2383.

PRESENTATIONS, NAG3-2383 [PR]:


PR 17. The following paper was presented at the Conference-Workshop on Strategic Research to Enable NASA’s Exploration Mission, June 22-23, 2004, Cleveland, OH: Constrained Vapor Bubble, Joel L. Plawsky and Peter C. Wayner, Jr.


PR 19) Shripad J. Gokhale, Joel L. Plawsky and Peter C. Wayner, Jr. “Spreading, Evaporation and Contact Line Dynamics of Surfactant Laden Micro-Drops”, 2004 AIChE Annual Meeting, November 7-12, Austin, TX, Presentation and Abstract # 185a.
PR 20) Shripad J. Gokhale, Joel L. Plawsky and Peter C. Wayner, Jr., “Optical Investigation of the Interfacial Phenomena during Coalescence of two Condensing Drops and Shape Evolution of the Coalesced Drop” 2004 AICHE Annual Meeting, November 7-12, Austin, TX, Presentation and Abstract # 169f.


PUBLICATIONS, NAG3-2383 [PU]:


16. S. J. Gokhale, S. DasGupta, J. L. Plawsky and P. C. Wayner, Jr., Experimental Evaluation of Interfacial Profile and Pressure Variation in a Spreading Drop During Condensation”, 2003 AIChE Annual Meeting Extended Abstract # 244d, San Francisco, CA.


THESES [T], RELATED STUDENT PROPOSALS [PRO], NAG3-2383:


