ASC SUPPORTS ADHESION SOCIETY OUTSTANDING YOUNG ADHESION SCIENTIST AWARD

NIST Researcher Frank DelRio Receives Recognition, $1,000 Grant from Council

Bethesda, MD, March, 7, 2012 – The Adhesive and Sealant Council (ASC) supported the 2012 Adhesion Society Outstanding Young Adhesion Scientist Award and presented a plaque and $1,000 grant to Frank DelRio, PhD, this year’s award recipient. Dr. DelRio is a scientist at the Material Measurement Laboratory within the National Institute of Standards and Technology in Gaithersburg, MD.

The Award was presented during the Adhesion Society’s Annual Meeting held February 26-29, 2012 at the Astor Crowne Plaza New Orleans.

The Society’s Outstanding Young Adhesion Scientist Award recognizes emerging research talent that focuses on properties of adhesion. DelRio has spent considerable time focusing on a variety of adhesive research, and has published the following papers between 2005 and 2011:

The Role of Van der Waals Forces in Adhesion of Micromachined Surfaces
Frank W. DelRio, Maarten P. de Boer, James A. Knapp, E. David Reedy, Jr, Peggy J. Clews
and Martin L. Dunn  

**Capillary Adhesion Model for Contacting Micromachined Surfaces**  
Frank W. DelRio, Martin L. Dunn and Maarten P. de Boer  
Scripta Materialia 59, 916-920 (2008)

**Elastic, Adhesive, and Charge Transport Properties of a Metal-Molecule-Metal Junction: The Role of Molecular Orientation, Order, and Coverage**  
Frank W. DelRio, Kristen L. Steffens, Cherno Jaye, Daniel A. Fischer, and Robert F. Cook  
Langmuir 26, 1688-1699 (2010)

Today, DelRio continues his focus on adhesives, committing time and energy on investigating ways to minimize adhesives failures with emerging micro- and nano-scale systems in both dry and wet environments.

“Part of the ASC Vision is to serve as a catalyst for growth in our industry, and the Council recognizes that boldly researching the opportunities and challenges within the adhesive space is critical to laying a strong foundation for future growth,” notes Matthew E. Croson, President of ASC. “The Council is proud to support the work of Dr. DelRio and looks forward to his, and his colleagues, substantial contributions to our industry in the future.”

**Editor’s Note: Photo Caption— Dr. Frank DelRio receives the Adhesion Society’s Outstanding Young Adhesion Scientist award from Matthew E. Croson, ASC President. ASC was the sponsor of the Adhesion Society’s Award.**