

THE JOURNAL OF ADHESION

Volume 84 Tables of Contents

Volume 84, Number 1

Improved Adhesion of Waterborne Polyurethanes by Hybridizations <i>Ho Tak Jeon, Su Kyoung Lee, and Byung Kyu Kim</i>	1
3-D Nonlinear Stress Analysis on Adhesively Bonded Single Lap Composite Joints with Different Ply Stacking Sequences <i>Murat Demir Aydın</i>	15
Experimental and Numerical Analysis on Adhesively Bonded Scarf Joints: Effects of the Substrate's Material and Adhesively Bonded Joint Geometry on the Damage Evolution <i>A. Gacoin, A. Objois, J. Assih, and Y. Delmas</i>	37
A Reliable Method to Measure the Adhesive Force with a Tiny Amount of Adhesive Material <i>Sungjoo Kim, Wonkyu Moon, and Jonghyup Jeon</i>	60
Adhesion of Different Concrete Repair Systems Exposed to Different Environments <i>Mahmood Naderi</i>	78

Volume 84, Number 2

Three-Dimensional Finite Element Analysis of the Stress Distribution in Bi-Adhesive Bonded Joints <i>Fan-Rong Kong, Min You, and Xiao-Ling Zheng</i>	105
Understanding Hydrolysis and Condensation Kinetics of γ -Glycidoxypropyltrimethoxysilane <i>François de Buyl and Axel Kretschmer</i>	125
Evaluating the Rate-Dependent Fracture Toughness of an Automotive Adhesive <i>D. J. Pohlit, D. A. Dillard, G. C. Jacob, and J. M. Starbuck</i>	143
Stress Relaxation During Bond Formation and Adhesion of Pressure-Sensitive Adhesives <i>Mikhail B. Novikov, Boris E. Gdalin, Julia V. Anosova, and Mikhail M. Feldstein</i>	164

Volume 84, Number 3

The Watts Collection, Honoring John F. Watts,
who Received *The Adhesion Society Award for
Excellence in Adhesion Science, Sponsored
by 3M*, in February 2008, Part I

Foreword	191
Influence of Thermal Spikes on the Ageing of Adhesively Bonded Structures – A Dielectric Study <i>B. K. McConnell and R. A. Pethrick</i>	193
Incorporating Environmental Degradation in Closed Form Adhesive Joint Stress Analyses <i>A. D. Crocombe</i>	212
Stretchable Gold Tracks on Flat Polydimethylsiloxane (PDMS) Rubber Substrate <i>S. Béfahy, S. Yunus, V. Burguet, J.-S. Heine, M. Troosters, and P. Bertrand</i>	231
Some Contributions of Surface Analysis to the Development of Adhesion Theories <i>D. E. Packham</i>	240
The Effects of Pre-Bond Moisture on the Fracture Behaviour of Adhesively-Bonded Composite Joints <i>B. R. K. Blackman, B. B. Johnsen, A. J. Kinloch, and W. S. Teo</i>	256
Analysis of Ink/Coating Penetration on Paper Surfaces by Time-of-Flight Secondary Ion Mass Spectrometry (ToF-SIMS) in Conjunction with Principal Component Analysis (PCA) <i>R. N. S. Sodhi, L. Sun, M. Sain, and R. Farnood</i>	277
Calendar of Events	293