

Cambridge University Press

978-1-107-41195-1 - Polymer Interfaces and Thin Films: Materials Research Society

Symposium Proceedings: Volume 710

Editors: Alamgir Karim, Thomas P. Russell, Curtis W. Frank and Paul F. Nealey

Index

[More information](#)

AUTHOR INDEX

- Akiyama, Haruhisa, 67
 Angelopoulos, Anastasios P., 207
 Anghel, Maria, 121
 Arias, Ana-Claudia, 185

 Bache, Ian C., 185
 Bahr, D.F., 141
 Balazs, Anna C., 61
 Balazs, Bryan, 25
 Barnard, John A., 253
 Borges, Célio A.M., 173
 Brands, C., 201
 Bravman, John C., 159
 Bronner, Mordechai J., 127

 Cale, T.S., 231
 Carriere, Pascal, 31
 Castelein, Gilles, 31
 Chan, Philip K., 37
 Chiang, C.K., 73
 Chittibabu, K.G., 213
 Chua, Soo Jin, 239
 Chung, D.D.L., 147
 Conte, Nicolas, 105
 Curry, Mike, 253

 Daniel, David R., 45
 Dauskardt, Reinhold H., 159
 Davis, R.M., 201
 DeVries, Gretchen, 159
 Dinh, Long N., 25
 Dolgner, K., 259
 Donald, Athene M., 185
 Douglas, Jack F., 17
 Drob, Paula, 121
 Durieux, E.L., 265

 Efimenko, Kirill, 135
 Emerson, J.A., 141
 Erichsen, J., 259
 Espada, Loren I., 193

 Faria, Roberto M., 173
 Faupel, F., 259
 Feresenbet, E., 167
 Forster, Aaron M., 179

 Frick, Bernhard, 3
 Friend, Richard H., 185

 Garif, Y.S., 81, 99
 Gee, Richard H., 25
 Genzer, Jan, 113, 135
 Gerberich, W.W., 81, 99
 Gibson, H.W., 201
 Gidley, David W., 17
 González-Ronda, L., 265
 Greenham, Neil C., 185
 Grohens, Yves, 31
 Gu, X., 153
 Guimarães, Francisco E.G., 173
 Günther-Schade, K., 259
 Gutmann, R.J., 231
 Guzy, M.T., 201

 Haiyan, Tu, 57
 Han, Charles C., 271
 Han, Li, 45
 He, Jin-An, 213
 Heflin, J.R., 201
 Hill, Teresa A., 245
 Hjelm, Rex P., 193
 Ho, D.L., 153
 Hock, Rainer, 3
 Holmes, G.A., 167
 Houqiong, Zhang, 57
 Huang, Feng, 253
 Husson, Scott M., 277

 Ivill, M.P., 87

 Jardret, Vincent, 93, 105
 Jenkins, Maura, 159
 Jiao, Xuesong, 245
 Josell, Daniel, 271

 Kaberline, S.L., 265
 Kai, Du, 57
 Kaneko, Futao, 225
 Katayama, Takahiro, 219
 Kato, Keizo, 225
 Kawakami, Takahiro, 225
 Ke, Lin, 239

Cambridge University Press

978-1-107-41195-1 - Polymer Interfaces and Thin Films: Materials Research Society

Symposium Proceedings: Volume 710

Editors: Alamgir Karim, Thomas P. Russell, Curtis W. Frank and Paul F. Nealey

Index

[More information](#)

- Kent, M.S., 141
 Kilbey II, S. Michael, 179, 277
 Kim, Hyun-Joong, 127
 Kirk, F. Louis, 45
 Kneller, Jason M., 45
 Kowaleski, Scott R., 45
 Kraft, R.P., 231
 Kuksenok, Olga, 61
 Kumar, Jayant, 213
 Kumar, Ramadas Senthil, 239
 Kwon, Y., 231
- Langlois, David A., 193
 Li, Lian, 213
 Lin, Zhang, 57
 Lopez, Agustin Santana, 121
 Lu, J.-Q., 231
 Luo, Jin, 45
- MacKenzie, J. Devin, 185
 Macosko, C.W., 81, 99
 Magerl, Andreas, 3
 Mang, Joseph T., 193
 Marletta, Alexandre, 173
 Martin, Charles W., 245
 Marx, Kenneth A., 207
 Maxwell, Robert S., 25
 McDonald, J.F., 231
 Mei, Zhen, 147
 Moody, N.R., 141
 Morel, Pierre, 93
 Mosurkal, Ravi, 213
- Nakano, Takayuki, 225
 Neyman, P.J., 201
 Nguyen, T., 153
- Oh, Kyoung S., 207
 Orlor, E. Bruce, 193
 Ozmusul, Murat S., 51
- Peiffer, Dennis G., 127
 Peng, Huagen, 17
 Perahia, Dvora, 245
 Pickett, Galen T., 11
 Picu, Catalin R., 51
- Pocius, A.V., 81, 99
 Popa, Mihai V., 121
- Rafailovich, Miriam, 127
 Raghavan, D., 153, 167
 Ramsdale, Catherine M., 185
 Rar, Andrei, 253
 Reedy Jr., E.D., 141
 Rosca, Iulia Mirza, 121
- Sakai, Wataru, 73
 Samuelson, Lynne A., 213
 Sankhe, Amit Y., 277
 Satija, Sushil K., 271
 Sato, Hisaya, 219
 Sato, Toshiharu, 225
 Semler, James J., 113
 Shah, Anshul A., 127
 Shah, S., 201
 Shediak, R., 87
 Shin, Kwanwoo, 271
 Shinbo, Kazunari, 225
 Sokolov, Jonathan, 127
 Soles, Christopher L., 17
 Somerday, B.P., 87
 Spevacek, Jiri, 31
 Street, Shane C., 253
 Strunskus, T., 259
 Sung, L., 153
 Suppa, Domenico, 61
- Tamaoki, Nobuyuki, 67
 Tanaka, Kuniaki, 219
 Thomas, D. Steve, 185
 Toivola, Y., 87
- Usui, Hiroaki, 219
- Van Cott, K.E., 201
 VanLandingham, M.R., 153
 Vasilescu, Ecaterina, 121
- Wakamatsu, Takashi, 225
 Wang, H., 201
 Wang, Howard, 271
 Wolff, Max, 3

Cambridge University Press

978-1-107-41195-1 - Polymer Interfaces and Thin Films: Materials Research Society

Symposium Proceedings: Volume 710

Editors: Alamgir Karim, Thomas P. Russell, Curtis W. Frank and Paul F. Nealey

Index

[More information](#)

Wroblewski, Debra A., 193

Wu, Wen-li, 17

Xu, Feng-Ting, 253

Xuan, Luo, 57

Yakovlev, Nikolai, 239

Ye, Ping-Ping, 253

Yeomans, J.M., 61

Yongheng, Fan, 57

Yoshioka, Terufumi, 219

Zabel, Hartmut, 3

Zaporojtschenko, V., 259

Zhang, Keran, 239

Zhong, Chuan-Jian, 45

Cambridge University Press

978-1-107-41195-1 - Polymer Interfaces and Thin Films: Materials Research Society

Symposium Proceedings: Volume 710

Editors: Alamgir Karim, Thomas P. Russell, Curtis W. Frank and Paul F. Nealey

Index

[More information](#)

Cambridge University Press

978-1-107-41195-1 - Polymer Interfaces and Thin Films: Materials Research Society

Symposium Proceedings: Volume 710

Editors: Alamgir Karim, Thomas P. Russell, Curtis W. Frank and Paul F. Nealey

Index

[More information](#)

SUBJECT INDEX

- adhesion, 81, 87, 99, 141, 147, 167
- AFM, 153
- alkyd film, 121
- alkyl chlorosilane, 135
- amine cured epoxy, 153
- atomic force microscopy, 265
- attenuated total reflection, 225
- azobenzene, 67

- benzocyclobutene (BCB), 231
- binary fluids, 61

- C₆₀, 57
- carbon filler, 127
- chemical
 - force microscopy, 265
 - sensor, 45
- coatings, 207
- colloidal silica filler, 127
- composite, 73
- contrast, 185
- copolymer, 11
 - adsorption, 113
- cross sectional imaging, 185
- curved interface, 51

- dark spot, 239
- dendrimer, 11, 253
- deposition polymerization, 219
- dielectric, 73
- dye sensitized solar cell, 213

- electrical resistance, 147
- electrochemical impedance
 - spectroscopy, 121
- entropic effect, 51
- epoxy films, 141
- equivalent circuit, 121
- ESEM, 185
- external reflection FTIR
 - spectroscopy, 277

- flare, 231
- fluorinated, 245
- Fourier transform infrared
 - spectroscopy, 231

- fracture, 93, 159
- fumed silica, 25

- glass fiber epoxy composite, 167
- gold, 45

- heterogeneous, 113
- hydrolytic aging, 193

- interface(s), 173, 245
 - effect, 213
- interfacial, 179
 - fracture energy, 141
- ionomers, 245

- JKR, 81

- lattice Boltzmann, 61
- layer, 73
- LB film, 57
- LIGA, 87
- lubrication, 3

- mechanical assembly, 135
- monolayers, 201
- Monte Carlo, 113

- nanocomposite, 51
- nanoindentation, 105
- nanoparticle(s), 45, 259, 271
- nanoscratch, 253
- network structure, 153
- neutron scattering, 3, 17
- N-isopropylacrylamide, 67
- noble metal, 259

- optical properties, 173
- organic light emitting
 - device, 239
 - diode, 219

- particulate-reinforced epoxy, 159
- perdeuterated styrene, 57
- phase separation, 61
- photoelectron spectroscopy, 207
- plasticizer, 193

Cambridge University Press

978-1-107-41195-1 - Polymer Interfaces and Thin Films: Materials Research Society

Symposium Proceedings: Volume 710

Editors: Alamgir Karim, Thomas P. Russell, Curtis W. Frank and Paul F. Nealey

Index

[More information](#)

- PMMA, 31, 93
- polydimethylsiloxane, 25
- polyelectrolyte, 213
- poly(itaconic acid), 277
- polymer, 67, 81, 99, 147
 - brushes, 179
 - films, 17
 - interface, 271
 - solutions, 37
- polymethylmethacrylate, 127
- polypropylene, 265
- polyurethane, 193
 - polydimethylsilane, 105
- positron annihilation, 17
- PPV, 173
- radical polymerization, 277
- scratch, 93, 99
- second harmonic, 201
- secondary ion mass spectroscopy, 239
- self-assembled monolayer, 167
- self-assembly, 135, 201
- SEM fractography, 159
- sheared liquids, 3
- specular x-ray reflectivity, 17
- spinodal decomposition, 37
- stereocomplex, 31
- stick-slip, 87
- surface
 - forces measurements, 179
 - glass transition, 259
 - plasmon
 - excitation, 225
 - resonance, 225
- thermal-induced phase separation, 37
- thin film, 31
- TPD, 219
- tyrosine, 207
- viscoelastic properties, 105
- wear mechanism, 253
- x-ray reflectivity, 271