

IPRIME Previous Industrial Fellows

| Company | Name | Research | Faculty | Year |
|---------------------|--------------------|---|--------------------|-------------|
| Toray | Yu Abe | An Analysis of the Drying State in Multi-layer Coating | Francis Cheng | 2015 |
| Medtronic | Carl Schu | Ion Sensor applications to new products | Stein | 2015 |
| Upsher-Smith | Xiao Yu | Sustained release coating systems | Sury | 2015 |
| Boston Scientific | Ed Kopesky | Characterizing the Semi-Crystalline Morphology and Thermomechanical Properties of Biaxially Oriented Poly(L-Lactide) | Macosko | 2015 |
| Cabot | Limeng Chen | Investigation of the destruction and recovery of conductive particle network in polycarbonate under shear deformation | Macosko | 2015 |
| Nitto | Koki Tomioka | Numerical simulation of viscoelastic flows in a film forming process | Kumar | 2014 |
| Valspar | Keith Kirkwood | Film Formation and Stress Development | Francis | 2014 |
| Cabot | Arthur Scholz | Development of AFM techniques for studying interactions between polymers and nanoparticles | Haugstad | 2014 |
| Toray | Yu Abe | An Analysis of the Drying State in Multi-layer Coating | Francis | 2014 |
| Upsher-Smith | Dave DeGrio | Evaluation of 3D Printing for the Pharmaceutical Industry | Francis | 2014 |
| INOAC | Yoshihasi Takamori | Controlling the morphology of cocontinuous porous polymer sheets | Macosko | 2014 |
| Ecolab | David Castro | Microrheology to explore polymer structural effects on viscosity development | Francis | 2014 |
| Covidien | Peter Barnett | Drug Morphology Characterization on a Medical Device | Wormuth Haugstad | 2014 |
| Boston Scientific | John Chen | PLLA material morphology, process characterizations and investigations | Macosko | 2014 |
| Nitto | Koki Tomioka | Numerical simulation of viscoelastic flows in a film forming process | Kumar | 2013 |
| Stratasys | Jenny Zhu | Applying Water-Based Coating on 3D Printed Parts | Francis | 2013 |
| Valspar | Keith Kirkwood | Improved Industrial Spray Coating and Final Film Coalescence | Francis Kumar | 2013 |
| Boston Scientific | Maggie Zeng | Impact of polymer crosslinking on particulate profile of a hydrophilic coating used in a medical device | McCormick Haugstad | 2013 |
| Upsher-Smith | Justin Song | Drug-Product-Representative Excipient Compatibility By Microcalorimetry | Sury | 2013 |
| Corning, Inc. | Brandon Williamson | Investigation of "Shrinkback" in Extruded Polymeric Materials Focusing on Amorphous Regions | Macosko Haugstad | 2013 |
| Nitto Denko | Kei Yoshida | Numerical simulation of phase separation | Morse | 2013 |
| Toray | Shigeru Aoyama | Interface characterization of composite material | Macosko Haugstad | 2013 |
| Total (Bostik) | Miao Hu | Physical Profiles of Hot Melt Adhesives in the Coating Applications | Lodge | 2013 |
| RTP | Fariborz Parsi | Flow Induced Architecture in Polymer Composites | Macosko | 2013 |
| Stratasys | Victor Jaker | Polymer Adhesion Mechanisms in the FDM (Fused Deposition Modeling) Process | Macosko | 2013 |
| Asahi Kasei | Ryo Horiuchi | Simultaneous Multilayer Coating | Kumar Carvalho | 2013 |
| INOAC | Ayumu Sakai | Preparation and characterization fine cell EBR/PEO foams | Macosko | 2013 |
| Dai Nippon Printing | Tomohiko Anazawa | Evaluation method of functional interlayer between two liquid layers | Kumar | 2013 |
| Cabot | Bill Coggio | The Use of AFM to Probe Particle-Polymer Nanomorphology | Haugstad | 2013 |
| Donaldson Company | Brad Houser | Cryo-SEM of filter/particle samples in organic solvents | Haugstad | 2013 |
| Upsher-Smith | Sam Reinhold | Quantitation of coating efficiency for multiparticulate systems | Sun | 2012 |
| General Mills | Steve Anderson | Multilayer die property optimization | Macosko | 2012 |
| Valspar | Keith Kirkwood | Improved Industrial Spray Coating and Final Film Coalescence | Francis Kumar | 2012 |
| Upsher-Smith | Sam Reinhold | Quantitation of coating efficiency for multiparticulate systems | Sun | 2012 |
| CooperVision | Rachel Marullo | Morphological and rheological characterization of silicone hydrogel c | Macosko | 2012 |
| Donaldson Company | Kristin Amsden | Nothing listed | Macosko | 2012 |

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| Dai Nippon Printing | Tomohiko Anazawa | Evaluation method of functional interlayer between two liquid layers | Kumar | 2011 |
| Panasonic | Toshihide Horii | Study of ultra thin coating method | Kumar & Carvalho | 2011 |
| Toray | Shigeru Aoyama | interface characterization of composite material | Macosko | 2011 |
| Toyota | Yoshito Endo | Slot coating flow analysis at start-up and stop-down | Kumar | 2011 |
| Donaldson Company | Paul Klick | Analysis of Probe Molecules Within Hydrocarbon Fluids | Dong Haugsted | 2011 |
| General Mills | Steve Anderson | Multilayer die property optimization | Macosko | 2011 |
| Toyota | Hideki Hagiwara | Visualization, analysis, and optimization of paste and film during battery electrode fabrication | Francis | 2111 |
| Nitto Denko | Kei Yoshida | Research for numerical simulation of phase separation | Morse | 2111 |
| Corning, Inc. | Dave Chiasson | Polymer interface adhesion characterization | Macosko | 2010 |
| Boston Scientific | Bruce Forsyth | Thin-Film coating microstructure during in-situ dynamic drying | Francis | 2010 |
| Corning, Inc. | Anne Bringuier | Co-extruded polyolefin interface behavior | Macosko | 2010 |
| Ecolab | Eric Morrison | Phase behavior in microemulsions related to nanoemulsification | McCormick | 2010 |
| JFE Steel Corp. | Masato Sasaki | Visualization of roll coating and multilayer die coating of high-speed region | Francis | 2009 |
| SKC | Jae Soo (Charley) Yang | Polyurethane nanocomposites and microcellular foams | Macosko | 2009 |
| General Mills | Katya Barrangan-Perez | Evaluation and formulation of moisture-barrier coatings using food-grade mica particulates | Macosko | 2009 |
| Donaldson Company | Joe Block | Method for Sectioning Highly Porous Fibrous Media | Francis | 2008 |
| Dai Nippon Printing | Norikatsu "Nori" Nakamura | Optimized Two-Layer Slot Coating for Industrial Use | Francis | 2008 |
| Sony | Kazuhiko Morisawa | Phase Separation in Coatings | Francis | 2008 |
| Sumitomo Chemical | Takumi Shibuta | Morphology of Nanoparticle Layer | Francis | 2008 |
| Dai Nippon Printing | Katsunori Tsuchiya | Optimized Two-Layer Slot Coating for Industrial Use | Francis | 2008 |
| Donaldson Company | Brad Kahlbaugh | unkn | Francis | 2008 |
| Donaldson Company | Karthik Viswanathan | Method for Sectioning Highly Porous Fibrous Media | Francis | 2008 |
| Hutchinson Technology | Bob Henry | Viscosity Gradients in Polyimide Coatings on HDD Suspension Model | Francis | 2008 |
| Lintec | Tomohiro Matsuda | Single layer coating for thin film | Kumar | 2007 |
| Nitto Denko | Yoshi Morita | Curtain coating | Kumar | 2007 |
| 3M | Gibson Batch | Demixing and delamination in polymer compositions | Macosko | 2007 |
| Huntsman Chemical | Qiang Lan | Advanced characterization methods for nanocomposites | Haugstad | 2007 |
| Ecolab | Sara Peters | Surfactant-Soil Interactions and Characterization Methods Synthesis and Characterization of Biodegradable Block Copolymer Surfactants | Hillmyer | 2007 |
| Sekisui | Yoshihiro Inui | Multilayered film of nanocellular structures using supercritical fluid | Macosko | 2007 |
| Dai Nippon Printing | Hiroshi Yoshiba | Structure Control of Particles by Coating | Francis | 2006 |
| Boston Scientific | Scott Smith | Unkn | Victor H. Barocas | 2006 |
| Lintec | Takatoshi Nisho | Slot coating stability analysis with an active control system Control of microstructure through drying conditions | Francis | 2005 |
| Nitto Denko | Hiroaki Kobayashi | Mechanism behind blushing phenomenon in coatings | Francis | 2005 |
| Imation | Gary Huelsman | Theoretical clarification on the variation of thickness generated by the variation of the drying rate in the coated layer with an organic solvent system. Also the development of a computational program based on theoretical understanding. | Francis | 2005 |
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| Vision-Ease | Hannah Vu | Mechanism behind blushing phenomenon in coatings. (First) Investigate flow properties of polyurethane coating solutions on multi-focal ophthalmic polycarbonate lenses during the withdrawal coating process. | Francis | 2005 |
| Entegris | Sanjiv Bhatt | Research the key parameters governing dispersion of single-wall nanotubes in a non-polar polymer matrix. Develop a Theoretical understanding of SWNT and SWNT-Nanocomposites Behavior | Macosko | 2005 |
| Eastman Kodak | David Whitcomb | Characterizing the nanostructure evolution of metal carboxylate crystals | McCormick | 2005 |
| Dai Nippon Printing & Dow (later) | Takeaki Tsuda | Slot coating stability analysis with an active control system | Francis & Santos | 2005 |
| Ecolab | David Gohl | Surfactant-Soil Interactions and Characterization Methods | McCormick | 2005 |
| Imation | Raul Andruet | Theoretical analysis and computer modeling of continuous slitting of a coated web. | Francis | 2005 |
| Imation | Pete Silbernagel | Investigate flow properties of polyurethane coating solutions on multi-focal ophthalmic polycarbonate lenses during the withdrawal coating process. | CPF | 2005 |