

2004 GPEC Schedule (Wednesday Morning, February 18th)

7:00 AM	Breakfast / Conference Opening: Ambassador Ballroom #3 (3rd Floor)			7:00 AM
7:15 AM	<i>Conference Greeting/Opening</i> - GPEC 2004 Chairman, Tim Kettering			7:15 AM
7:30 AM	<i>Ms. Donna Davis</i> , President of the Society of Plastics Engineers (SPE)			7:30 AM
8:00	<i>Speakers preparation</i>	<i>Speakers Preparation</i>	<i>Speakers preparation</i>	
Room	<i>Nicolette Room (5th Floor)</i>	<i>Duluth Room (5th Floor)</i>	<i>Marquette Room (5th Floor)</i>	Room
Section Moderator	# 1 Automotive Mike Montpetit / Dennis Denton	# 2 Biodegradable/Renewable Materials Ron Walling, Advanced Material Centrum	# 3 Business Equipment/Electronics Jay Celorie, Hewlett Packard	Section Moderator
8:30	46. An Investigation of Techniques for Removal of Paints and Coatings from Automotive and Electronic Plastics for Recycling , T. Allen, D. Arola, B. Riise, MBA Polymers, M. Fisher, APC	11. Physico-mechanical Properties of "Green" Composites from Poly(lactic acid) and Cellulose Fibers M.S. Huda, A.K. Mohanty, L.T. Drza, M. Misra Michigan State University, E. Schut, CreaFill Fibers Corporation	32. Successful Pilot Processing of Computer Plastics into Separate Streams of Brominated and Phosphated Flame Retardant Categories with RPI's "Skin Flotation" Technology Ron Kobler, Shawn Christiansen, Hal Foss, RPI Inc.	8:30
9:00	35. Recycling Used Polypropylene and Polyester Rags, Including Solvent Rags into Vehicle Parts , D. Briggs, Mobile Fluid Recovery, E. Effler, Contec, Inc.	45. Renewable Resources in Composite Materials Brian J. Maas, John Deere Worldwide Combine Product Development	7. Innovative "Green" EMI Shielding Based on Polymer Film Material Rocky Arnold, WaveZero	9:00
9:30	44. Expanding the Use of Recycled SMC in BMCs R. DeRosa, E. Telfeyan, S. Mayes New York State College Ceramics at Alfred University	28. Perfecting PLA Properties: A Successful University Collaboration J. Dorgan, D. Knauss, J. Janzen, Colorado School of Mines, J. Randal, B. Braun, P. Gruber, Cargill-Dow LLC	10. Updates on End-Of-Life, safety, and Regulatory Aspects for Flame Retarded Plastics used in Electrical and Electronic Equipment R. Dawson, S. Landry, and P. Ranken Albemarle Corporation	9:30
10:00	15 - Minute Break			10:00
10:15	42. Plastic Omnium Auto Exterior: The first "Design for Recycling and Dismantling" Bumper, The ECODESIGN Program X. Maury, Plastic Omnium Auto Exterior (POAE)	18. Drivers & Rationale for Use of Biobased Materials Based on Life Cycle Assessment (LCA) Ramani Narayan, Michigan State University	8. Electronics Equipment Plastics Recycling Update: Emerging Opportunities and Challenges D. Arola, B. Riise, M. Biddle, MBA Polymers, Inc.	10:15
10:45	15. Cotton-Based Composites for Automotive Applications , G. Bhat, G.Kamat, University of Tennessee, D.Mueller, University of Bremen, D.V. Parikh, USDA, M. McLean, Cotton Inc.	31. Investigation of Effects of Culture Medium Components on Polyurethane (IMPRANIL DLN) Biodegradation by Pseudomonas Chlororaphis Ying Zheng, Ernest Yanful, Amarjeet Bassi, University of Western Ontario, Canada	41. Development of a Tough and Flexible Halogen Free Dual Layer Wire Insulation System for Electronics Appliance Wire Applications Akshay H. Trivedi, Judd Wire, Inc.	10:45
11:15	21. Biodegradable Starch Foam Packaging for Automotive Applications Y. Nabar, R. Narayan Michigan State University		9. Study on Recyclability of In-Mold Decorated Plastics Parts Doreen Schnecke, Motorola – Germany Jorg Gunther, Kunststoff Institute - Germany	11:15
11:45	Lunch: Ambassador Ballroom #3 (3rd Floor)			11:45
12:00	<i>Mr. Rod Lowman</i> President of American Plastics Council			12:00
12:30	<i>PED Division 40 Annual Division Meeting</i> facilitated by Michael Montpetit, Division Chairman			12:30

2004 GPEC Schedule (Wednesday Afternoon and Evening, February 18th)

Room:	<i>Nicolet Room (5th Floor)</i>	<i>Duluth Room (5th Floor)</i>	<i>Marquette Room (5th Floor)</i>	Room:
Section: Moderator	# 4 Automotive Mike Montpetit	# 5 Biodegradable/Renewable Materials, Norman Lee / Ron Walling		Section Moderator
1:30 PM	33. Recycling of Headliner Rigid Foam, Headliner Scrap and Post Consumer Headliners W. Rasshofer, D. Schomer, Bayer Corporation	38. Low Cost Bio-composite Sheet Molding Compound Panel: Processing and Property Evaluation, G. Mehta, A.K. Mohanty, K. Thayer, L.T. Drzal, M. Misra, Michigan State University		1:30 PM
2:00 PM	34. PERMBLOK AS6: An Innovative Structure for PZEV Compliant Plastic Fuel Tanks B. Bonazza, P. Delbarre, M. Belkacem, Ti Automotive LLC F. Bertoux, Atofina, Germany	43. Injection Molded "Green" Nanocomposite Materials from Renewable Resources M. Misra, H. Park, A.K. Mohanty, L.T. Drazal, Michigan State University		2:00 PM
2:30 PM	1. Recycling Automotive Shredder Residue and Plastics using Thermal Depolymerization Process Gerald Winslow, KBS Consulting-USCAR Terry Adams, Changing World Technologies	19. Design and Engineering of Biodegradable Blown Film Sunder Balakrishnan, Ramani Narayan, Michigan State University		2:30 PM
3:00 PM	15-minute Break			3:00 PM
3:15 PM	6. Effects of Re grind/Reprocessed Materials on Thermoplastics, Susan DeGroot, Visteon Corporation	48. Twinshot: Cost Effective Recycling Joseph McRoskey, Spirex Corporation		3:15 PM
3:45 PM	51. Automotive's Bioplastic Future? Phil Sarnake, United Soybean Board David Reed, General Motors Corporation	49. Devulcanization of Recycled Tire Rubber using Supercritical Carbon Dioxide Costas Tzoganakis, Qiao Zhang University of Waterloo		3:45 PM
4:15 PM	20. Thermally Stable Lubricants from Vegetable Oils R. Vicray, R. Narayan, Michigan State University D. Graiver, K.Farminer, BioPlastic Polymers & Composites	52. Cesa-extend a User Friendly Technology to Enhance Reprocessing and Recycling of Condensation Plastics Vahe Karayan, Clariant Masterbatches M. Villalobos, Johnson Polymer		4:15 PM
4:45PM	Wednesday Paper Sessions End			4:45PM

Connections Reception / Student Poster Display: Mackinac Ballroom (5th Floor)				
6:00-8:30	<p>1. Curing and studies of microwave processed bio-composites made from epoxy and natural fibers, N. Sgriccia, M.C. Hawley, M. Misra, L.T. Drzal, A. Mohanty Michigan State University</p> <hr/> <p>4. Recycling of Polymer Matrix Composites Rahul Jain University of Alabama, Birmingham</p> <hr/> <hr/> <hr/>	<p>2. Comparative Live Cycle Assessment of Biobased Composites and Conventional Composites, S. Arora, A.K. Mohanty, L.T Drzal, M. Misra, S. Joshi, and B.E. Dale Michigan State University</p> <hr/> <p>5. Rheological and Mechanical Properties of Biodegradable Blends of Thermoplastic Starch and PCL, Dr. B.Y. Shin, Yeungnam University, Korea, S. Balakrishnan, and R. Narayan Michigan State University</p> <hr/> <hr/> <hr/>	<p>3. Thermal and Mechanical Properties of Poly (trimethylene terephthalate) Clay Based "Green" Nanocomposites Y.S. Parulekar and A.K. Mohanty Michigan State University</p> <hr/> <hr/> <hr/>	6:00-8:30

2004 GPEC Schedule (Thursday Morning, February 19th)

7:00 AM	Breakfast: Ambassador Ballroom #3 (3rd Floor)			7:00 AM
7:30 AM	Ms. <i>Stephanie C. Baker</i> , Market Development, KW Plastics, Inc.			7:30 AM
8:00	<i>Speakers preparation</i>	<i>Speakers preparation</i>	<i>Speakers Preparation</i>	
Room	<i>Duluth Room (5th Floor)</i>	<i>Nicolet Room (5th Floor)</i>	<i>Marquette Room (5th Floor)</i>	Room
Section:	# 6 Regulatory/Quality/Process	# 7 Packaging/ Environmental	# 8 Supply and Markets	Section:
Moderator	Y. Nabar MSU / M. Mikulec, YARA Y	Sunder Balakrishnan, MSU	Maggie Baugmann, G.H. Associates	Moderator
8:30	2. From PET Bottle Flakes to Final Products: Product Quality is Determined by Melt Filtration Monika Gneuss, Gneuss Inc.	27. Aromatic Hydrocarbon Content of Common Plastic Packaging Materials Myer Ezrin, Gary Lavigne, University of Connecticut	22. Defining the Value Proposition of Recycled Plastics A. Robbins, The Plastic Lumber Company	8:30
9:00	12. Epoxy/Organoclay Nanocomposites Synthesized with Thermal and Microwave Methods S. Zhou, A. Wood, K. Boyapati, M. Hawley, A. Lee, L. Kempel, Michigan State University	5. VacuRema and Bottle Recycling Mike Horroks, EREMA	23. Recycling and Globalization Roger Jones, Franklin International, LLC	9:00
9:30	16. Chemical Risk Assessment in Europe: the Past, Present, and Future Richard Johnson, Rohm and Haas	36. Converting Reclaimed Scrap PET to Useful Process Chemicals Scott O. Seydel, EvCO, Inc.	24. Outsourcing as a Means to the Development and Sustainable Growth of Recycled Materials Tony Bernardo, Alloy Polymers, Inc.	9:30
10:00	15-minute Break			10:00
10:15	14. Feasibility of Analysis and Screening of Plastics for heavy Metals with Portable X-Ray Fluorescence Analyzer with Miniature X-Ray Tube Stan Piorek, Niton LLC	39. Environmentally Conscience Production of Thermoformable Sheet and Film Products Siegfried Lackner Senoplast Klepsch & GmbH Co., Austria	26. The Impact on Biotechnology on the Chemicals and Plastics Industries Maggie Baumann, G.H. Associates	10:15
10:45	37. Soy vs. Petro Polyols, A Life Cycle Comparison Jim Pollack, Omni Tech International, Ltd.	40. Environmental Protection from Plastic Waste Menace Alka Zadgaonkar College of Engineering, Nagpur, India	25. Environmental Technologies Incorporated in Automotive Vehicle Interior Robert Eller, Robert Eller Associates	10:45
11:15	50. Composite Nylon Recycle: Innovative Technology for Recovery of Nylon 66 Post Consumer Parts Hiroyuki Wakabayashi, Denso Corporation William H. Hsu, E.I. Dupont de Nemours Co.	47. Assessing the Workplace Environmental Performance of Organotin Stabilizers Used at PVC Processing Facilities C. Boraiko, J. Batt, Atofina Chemicals R. Johnson, Rohm and Haas Company	30. Design for Reuse: Where Environmental Regulations and Business Strategies Meet B. Bachman, J. Zollo, W. Kiert, N. Desai, W. Olson Motorola Inc.	11:15
12:00	Awards Luncheon: Ambassador Ballroom #3 (3rd Floor)			12:00
1:00	Annual Environmental Awards: Gordon Institute at Tufts University DuPont Engineering Polymers & Denso Corporation The Scott's Company Erema North America / Erema Austria Delta Plastics of the South LLC Hancor, Inc. Harbec Plastics, Inc. Herman-Miller Company Ashland Specialty Chemical Company			1:00
1:30	Conference Ends			1:30