

2003 GPEC Schedule (Wednesday Morning, February 26th)

7:00 AM	Breakfast / Conference Opening: Ambassador Ballroom #3 (3rd Floor)		7:00 AM
7:15 AM	<i>Conference Greeting/Opening</i> - GPEC 2003 Chairman, Dennis Denton, Denton Plastics		7:15 AM
7:30 AM	<i>Industry Report Card on Environmental Stewardship</i> by Jerry Powell, Editor, Resource Recycling Magazine		7:45 AM
Room	<i>Nicolette Room (5th Floor)</i>	<i>Duluth Room (5th Floor)</i>	Room
Section Moderator	# 1 Innovative Recycling Processes Bob Malloy, University of Mass, Lowell	# 2 Automotive Michelle Mikulec, Lavergne Group Jozef Steidl, CVUT, Prague	Section Moderator
8:30	New Recycling Technologies for Polluted Plastics R. Koehnlechner, Hamos GmbH, Germany	Emerging Green Nano-Composites: Striving for Sustainability in Automotive Applications A. Mohanty, M. Misra, L.T. Drzal, Michigan State University	8:30
9:00	Separation and Recovery of Thermoplastics from Mixed- Scrap Plastics J. Pomykala, B.Jody,E.Daniels, J. Greminger, Argone National Labs	Effect of Regrind on Vibration Welded TPO C-Y Wu and S. Degrood, Visteon Corporation	9:00
9:30	Ultra Low Energy Pre-Forming Process for Carbon Fiber Composites D. Buckley, American GFM	Use of Natural Fiber Reinforced Thermoplastics in the Automotive Industry K. Baldwin, E.Lee, M. Flanigan Ford Motor Company	9:30
10:00	15-minute Break		10:00
10:15	Plasticating Screw design for the Reprocessing of Reground Painted or Coated Thermoplastics R. Malloy, A. Philip University of Massachusetts Lowell	Environmental Regulations for Cockpits M.Keranenn, J.Hanford Visteon Corporation	10:15
10:45	Thermoforming & Die Cutting of Recycled/Virgin PET Sheet L. Koester, S. Nemeth, M. Koester, Lavergne Group, Canada	Eco Efficient Recovery of Plastics from Automotive Applications D.H. Fisch, Association of Plastics Manufacturers in Europe (APME), Belgium	10:45
11:15	Energy Conservation by way of Mold Scrap Reduction of Optical Grade Products Through Pellet Contaminate Removal J. Paulson, Pelletron Corporation	Instrument Panel Recovery: A Commercial Breakthrough Eliminates the Waste M. Lieberman, American Commodities, Inc.	11:15
11:45	Lunch: Ambassador Ballroom #3 (3rd Floor)		11:45
12:00	<i>Carpet Stewardship the Next Steps</i> by Frank R. Hurd, VP & COO, The Carpet & Rug Institute		12:00
12:30	<i>PED Division 40 Annual Division Meeting</i> facilitated by Norman Lee, Division Chairman		12:30

2003 GPEC Schedule (Wednesday Afternoon and Evening, February 26th)

Room:	Duluth Room (5 th Floor)	Nicolet Room (5 th Floor)	Marquette Room (5 th Floor)	Room:
Section: Moderator	# 3 Economics and Update on Plastic Recycling Gabe Wing, Herman Miller Laura Soreida, Ford Motor Company	# 4 Biodegradable Materials and Life Cycle Analysis Ron Walling, Advanced Material Center	# 5 Innovative Recycling Processes and Recycled Materials Norman Lee, Attractive Design	Section: Moderator
1:30 PM	Scrap Tire Recycling and Crumb Rubber: Impact of Market Variability and Other Factors on Economic Feasibility S. Sunthonpagasit University of Akron, and M. Duffey, George Washington University	Green Composites from Biofiber and Soy Protein Based Bioplastic P. Tummala, A. Mohanty, M. Misra, L. Drzal Michigan State University	Mechanical Purification-Cleaning of Post Consumer Plastics without Washing H. Schnettler, G.Fahrback, F. Lackner, R.Pipes, Duales System Deutschland, Germany	1:30 PM
2:00 PM	Post-Consumer Tires Integral Recovery Model for the Country of Spain P. Haxaire, M. Encina, RMD, Spain	Exploring the End -of- Life: Safety, and Regulatory Concerns for Flame Retarded Electrical and Electronic Equipment S. Landry, R. Dawson, Albemarle Corp.	Recycling of Bottle-Flakes Using Electrostatic Separation Technologies R. Koehnlechner, Hamos GmbH, Germany	2:00 PM
2:30 PM	Recycle Rubber Based Thermoplastic Elastomers- an Unusual Opportunity to Cut Cost Edgar Gonzales, ECO-TECH, Inc	Poly (Lactic Acid) Films as Food Packaging Material R. Auras, B. Harte, S. Selke School of Packaging, Michigan State University	Using Experimental Interpolymers to Upgrade Mechanical Properties of Recycled Thermoplastics X.Liu, A. Merrington, and C. Diehl, IA, MMI, and Dow Chemical	2:30 PM
3:00 PM	15-minute Break			3:00 PM
3:15 PM	Sustainable product Development: Design for the Environment Gabe Wing, Scott Charon, Herman Miller Furniture	Life Cycle Analysis J. Pollack, Omni Technical	Economizing Resources T. Pearson, Kiltearn House	3:15 PM
3:45 PM	Odor Measurement of Natural Fiber Filled Composites for Automotive Parts V Sperber, A. Bledzki, Institut fur Werkstofftechnik, University of Kassel, Germany	Biobased Polyurethanes from Plant Oil Based Polyols: Physico-mechanical Properties Evaluation Latere Dwan'Isa, L. Drzal, Michigan State University and Kazemizadeh, Atofina	Injection Molding of Recycled Polypropylene from ELV's Shredder Residue into Structural Support Battery Bracket R. Abel, 21 st Century Polymers, M. Conant, Mayco Plastics	3:45 PM
4:15 PM	Is Recycling for the Environment? A. Griff, Consulting Engineer	Reinforced Composites from Recycled Carpets J. Muzzy, Georgia Institute of Technology	Energy Conservation System: ReCyclotron Technology K. Goehner, Hudnut Industries	4:15 PM
4:45PM	Wednesday Paper Sessions End			4:45PM

Connections Reception / Student Poster Display: Mackinac Ballroom (5th Floor)			
6:00-8:30	<i>Kinetic & Thermodynamics of Three-Arm Poly (epsilon- caprolactum) Polymer</i> - S.R. Balakrishnan, M. Krishan, P. Dubois, R. Narayan – MSU East Lansing	<i>Characterization of Poly(lactic acid) Films as Food Packaging Material – MSU East Lansing</i> - Rafael A. Auras; Bruce Harte; Susan Selke	<i>The Use of Recycled Materials—Plastics University of Michigan - Dearborn</i> - Gregory Ervin, Rebecca Mazzacco, Ryan Randazzo, Stacy White
	<i>Eco-Friendly Biocomposites from Plant-Derived Fibers and Plant-Derived Plastics for Automotive Applications – MSU East Lansing</i> - A. Wibowo, A. K. Mohanty, M. Misra, L.T. Drzal	<i>Separation and Identification of Dissimilar Plastics for Recycling – Univ. Michigan Dearborn</i> - Paul Herlein, Imran Shafi, Limei Wong, Nicholas Schomer	<i>Novel Bio-Composite Sheet Molding Compounds from Engineered Biofibers and Biobased Resins for Housing Panel Applications – MSU E. Lansing</i> - G. Mehta, A. K. Mohanty, M. Misra, L. T. Drzal
	<i>Use of Recycled Plastics – Univ. Michigan</i> - Stephanie Allen, Robert Brennan, Scott Cullen, Joshua Hachey	<i>Recycling of Tires – Univ. of Michigan Dearborn</i> - Kyle McFadden, Omar Mantasir, Kyung Ahn, Chadi Kansa	<i>Tire Recycling – Univ. of Michigan Dearborn</i> - Jennifer Benitez, Mike Katulski, Ryan Walsh, Andrew Woodman
	<i>Tire Recycling – Univ. of Michigan Dearborn</i> - Ali Nasser, Rami Saleh, Don Wyniemko, Azumah Uchechuku	<i>Tire Recycling – Univ. of Michigan Dearborn</i> - Marie Molitor, Drew Podges, Kevin Sholar, Patricia Clubbs	<i>Recycling of Tires – Univ. of Michigan Dearborn</i> - Don Wellman, Nick Nowicki, Michael Pfeifer, Christopher Shearn
	<i>The Applications of Recycled Materials – University of Michigan - Dearborn</i> - Marc Smith, Jim Burkowski, Don Kuzich	<i>Recycling of Polycarbonate Car Headlight Lenses</i> - Jan Rybnicek, Czech Tech. Univ. Prague	<i>Separation and Removal of EPS from a PE/PP-rich Waste Stream</i> - Jessica L. Greminger - Lewis University

2003 GPEC Schedule (Thursday Morning, February 27th)

7:00 AM	Breakfast: Ambassador Ballroom #3 (3rd Floor)		7:00 AM
7:30 AM	<i>Recycling in the Automotive Industry</i> by Mary E. Blair, Commodity Manager-Chemicals, General Motors World Wide Purchasing		7:45 AM
8:00 AM	<i>A Little Plastics Saves a lot of Water</i> by Colin Austin, Managing Director of Intelligent Irrigation Systems		8:15 AM
Room:	<i>Duluth Room (5th Floor)</i>	<i>Nicolet Room (5th Floor)</i>	Room
Section: Moderator	# 6 Use of Recycled Materials Jim Paschal, BodyCote Inc.	# 7 Renewable Energies Devron Farmer, The Matrix Group Eric Koester, MEGO Consulting & Lavergne Group	Section: Moderator
8:30	Effect of Recycled Content PET on Material Properties at Various Content Ratios. H. Cornier, and J. Celorie, Hewlett Packard Printer Supplier	Recycling Issues of Mineral-Containing Plastics J. Lou, North Carolina Technical State University	8:30
9:00	Regeneration in the Melt of Recycled and Reground Thermoplastics Using Neoalkoxy Titanates and Zirconates S.J. Monte, Kenrich Petrochemicals, Inc.	Recycling of Aluminum and Polyethylene from Tetra Pak Carton Packages as Plastic Composite F. Luiz Neves and F von Zuben, Tetra Pak, Brazil	9:00
9:30	Recycled Compounds Brought Back to Prime Physical Properties Brian Schrowang Edinburg Plastics, Inc.	Application of Polymer to Facilitate the Growth of Plants in Arid Land M. Tabrizi and L. Javadi, University of Wisconsin-Platteville, and University of Shahid B.	9:30
10:00	15-minute Break		10:00
10:15	An Update on the Use of Recycled PVC in Piping Applications Jim Paschal, Body Cote, Inc.	VOC Free Expandable Polystyrene K. Bleijenberg, M.Berghmans, P.Arch Nova Chemical	10:15
10:45	New Life for Recycled Plastics H. Herbst and Gathy Gilberti, Ciba Specialty Chemicals	Setting the Record Straight: Busting Common Myths about Plastics from Recovered Consumer Electronics J. Biancaniello, M. Fisher, L.Headley, American Plastics Council and T. Kingsbury, Dow Chemical	10:45
11:15	Keys to Successful Implementation of Projects Using Reprocessed Material R. Jackson, Custom Compounding	Integrating Electronic Nose Technologies into Environmental Process E. Koester MEGO Consulting and Lavergne Group	11:15
11:45	Awards Luncheon: Ambassador Ballroom #3 (3rd Floor)		11:45
12:00	<i>Society of Plastics Engineers and the Environment</i> by Mike Cappaletti, Executive Director of Society of Plastics Engineers		12:00
12:30	Annual Environmental Award with Awards Chairman P. Subramanian (Subu)		12:30
1:30-4:00	<p style="text-align: center;">Super Session (Panel Discussion): Ambassador Ballroom #3 (3rd Floor) <i>"State of Environmental Stewardship in Plastics"</i></p> <p>Moderator: Michael D. Powers, Executive Director of General Motors Account, Dow Automotive Panelists: • Donald Duncan, President of Society of Plastics Industry (SPI) • Dr. Gerhard Fahrbach, Managing Director of Plastics Recycling Technology – Green Dot Program • Claudius Feger, President of Society of Plastics Engineers (SPE) • Jean-Luc Lavergne, President of Lavergne Group • Rod Lowman, President of American Plastics Councils (APC)</p> <p style="text-align: center;">WIN CASH!!! A drawing for \$500 dollars will be held at the end of this Super Session for those still present.</p>		1:30-4:00