

GPEC 2006 Schedule, Tuesday February 28th

8:30 AM – 3:00 PM	Mohawk Plant Tour: “Recycled Pet Bottles to Carpet” Bus to leave promptly at 8:30 am from Sheraton Hotel Lobby (Tickets provided to those registering in advance.)
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Wednesday Morning, March 1st

7:30 AM- 8:30 AM	Breakfast / Conference Opening: Biltmore II Ballroom – 1st Floor				7:30 AM- 8:30 AM
7:45AM	<i>Conference Greeting/Opening</i> - GPEC 2006 Chairman, Mike Montpetit				7:45 AM
8:00 AM	<i>Speakers Preparation</i>				8:00 AM
Room	<i>Jamaica Room (2nd Floor)</i>	<i>Bahamas-Bermuda Room (2nd Floor)</i>	<i>Frankfurt Room (2nd Floor)</i>	<i>Brussels Room (2nd Floor)</i>	Room
Track/ Section Moderator	# 1 Automotive Bob Egbers, ACI Inc.	#2 Electronics Ron Walling, Advanced Mat’ls Cn	#3 Reclamation & Supply Ted Jacobs, Hematite Mfg.	#4 Bio-Based & Biodegradable Materials Terry Cooper, ARGO Group Intl.	Track/ Section Moderator
8:30 AM	1A. Automotive Foams and Composites From Renewable Resources , E. C. Lee, Ph.D., Ford Motor Company	E1. Recycled Electronic Housings Mixed ABS Material and Flame Retardant Identification Using Near-IR and Mechanical Testing , M. W. Dattner, J. Salguero, D. Schneider, T. A. Osswald, U of Wisconsin, Polymer Eng. Cntr	RS1. Technological Advancements in Separation and Sorting Technology for Recycled Plastics P. Mayer, S+S Separation and Sorting Technology GmbH	1B. Characterization of Environmentally Friendly Polymers: Amylopectin and Its Blends , M. O. Melibari, M.Sc., Saudi Arabian Oil Company	8:30 AM
9:00 AM	2A. Creation of Vibrant and Long-Lasting Coatings for Light Trucks and Automobiles with Reduced Emissions to the Environment using Paint Film , G. C. Miller, MM&A LLC	E2. Recycling Mixed Plastics from End-of-Life Electronics , R. Gupta, West Virginia U., A. Al-Mulla., Kuwait U.	RS2. Carpet Reclamation , B. Peoples, PhD, Carpet & Rug Institute	2B. The Rheology and Degradation of Renewable Resource Polymers , G. M. Harrison, Clemson U.	9:00 AM
9:30 AM	6A. Effect of Re grind on Vibration Welding Strength of Polyolefins , E. Lebert, C.Y. Wu, Ph.D. and S. Kozora, Visteon Corp.	E3. Using Portable XRF tools to meet EU's Restriction of Hazard Substances/Waste Electrical and Electronic Equipment (RoHS/WEEE) Requirements , J. Martin, Innov-X Systems, Woburn, MA	RS3. Quality Assurance Testing Protocol for Post Consumer Resins (PCR) in California , J. P. Greene, Ph.D., California State Univ.	3B. Combined Effects of Crosslinkers, Glycerol and Processing Temperature on Properties of Soy Protein Based Plastics , B. E. Ralston, N. Wochner and T.A. Osswald, U. of Wisconsin-Madison	9:30 AM
10:00 AM	15-minute Break, Paris Ballroom				10:00 AM
10:15 AM	7A. Advanced Methods for Paint/Coating Removal from Recyclable Substrates , L. Zhihong, Ph.D., Applied Chemical Technologies, Inc	E4. Large Scale Co-combustion of Plastics from the End-of-Life Electrical and Electronic Equipment at the Wuerzburg Municipal Solid Waste Energy Recovery Plant (MHKW) , M. M. Fisher, American Plastics Council, B. Bergfeldt, ITC, H. Dresch, ZvAWS, B. Dima, MHKW, W. Gruettner, ZvAWS, K. Kramer, Electrocyng, T. Lehner, Boliden, F. E. Mark, PlasticsEurope/Dow Europe, J. Vehlouw, ITC	RS4. IRD: Infrared Rotarydrum Drying , J.W. Doub, Jr., Novatech	20B. The Effect of Fiber Surface Treatment on Laminated Biocomposites from Poly(Lactic Acid) (PLA) and Natural Fibers , M. Misra, M. S. Huda, Lawrence T. Drzal., A. K. Mohanty, Michigan State U	10:15 AM

10:45 AM	8A. Overview: Automotive Comfort Technologies supporting Sustainable Environment , H. S. Khan, Rieter Automotive North America Inc	E5. RoHS Challenges and Restricted Substances Compliance Solutions , G. J. Fechtmann, PE, Underwriters Laboratories (UL), New York	RS5. Recycling of Fibers and Non-Wovens , P. Niedl, B. B Hunter, American Starlinger-Sahm, Inc	5B. Bioplastics in Electronic Products , M. Heino, A. O. Helminen, D.Sc. (Tech.)Nokia Research Center	10:45 AM
11:15 AM	10A. Automotive Plastics Opportunities , S. Schellenberg, WorldPort Logistics Center/CMC Rail Yard		RS6. It's Not Easy Being Green, Especially When It's Brown! Diapers: The Ongoing Recycling Opportunity , K. Bell, Recycling Programs, Inc. (RPI)	6B. Biodegradation of Compostable Plastics in Cow-manure Compost Environment J. P. Greene, Ph.D., California State U	11:15 AM
12:00 PM	Lunch: Biltmore Ballroom (1st Floor)				12:00 PM
12:00 PM	PLENARY LUNCHEON SPEAKER: Samantha Phillips Fairchild, Director of the Office of Enforcement, U.S. Environmental Protection Agency (EPA) “Vinyl Chloride Emissions Reduction Strategies: How U.S. E.P.A. Enforcers Working With Industry Achieved Results”				12:00 PM
12:00 PM – 1:00 PM	<i>PED Division 40 Annual Division Business Meeting facilitated by Tim Kettering, Division Chairman</i>				12:00 PM-1:00 PM

GPEC 2006 Schedule, Wednesday Afternoon and Evening, March 1st

PM Technical Sessions					
Room:	<i>Jamaica Room (2nd Floor)</i>	<i>Bahamas-Bermuda Room (2nd Floor)</i>	<i>Frankfurt Room (2nd Floor)</i>	<i>Brussels Room (2nd Floor)</i>	Room:
Track/Section: Moderator	# 1 Automotive Bob Egbers, ACI Inc	#5 Marketing and Business: Recycling/ Sustainability/ELV Susan Kozora, Visteon Corp.	#3 Reclamation & Supply Ted Jacobs, Hematite Mfg.	#4 Bio-Based & Biodegradeable Materials Terry Cooper, ARGO Group Intl and Ron Walling, Advanced Materials Center	Track/Section Moderator
1:30 PM	9A. Paint removal for TPO substrates , B. Egbers, ACI	MB5. PVC/Natural Fiber Composites: Back to the Future for Fun and Profit! , E. Schut, CreaFill Fibers	RS9. Success of Closed-Looped Plastic Recycling Systems , A. S. Georges, VP, AMUT & ARIOSTEA N.A.	8B. Comparing the degradability of commercially available biodegradable packages in composting and ambient exposure conditions , R. Auras, G. Kale, S. P. Singh, Michigan State U.	1:30 PM
2:00 PM		MB1. Methyltins: Sustainable Stabilizers for PVC , R. W. Johnson, Ph.D., M. B. Clark, Rohm & Haas Co.	RS10. A Case Study of a PVC Pipe Recycling Program , C. Fisher, P.E., Uni-Bell PVC Pipe Association and Preston Creelman, P.E., Royal Pipe Systems	9B. Considerations Affecting Biodegradability of PVC , R. F. Grossman, Ph.D., RFG Consultants, J. E. Schleicher, Jr. and L. D'Alessio, Ultraflex Systems	2:00 PM
2:30 PM		MB3. Branding is One of a Company's Most Important Assets , J. Kowalski, Cascade Eng.	RS11. Who Says PVC Can't Be Recycled? , C. Fisher, P.E., Uni-Bell PVC Pipe Association	13B. Effects of Bamboo and Kenaf Fibers on the Mechanical Properties of Lightweight Porous Composites , S. Shibata, T. Kamiyama and I. Fukumoto, U. of the Ryukyus, Nishihara, Okinawa Japan	2:30 PM

3:00 PM	15-minute Break, Paris Ballroom				3:00 PM
3:15 PM		MB4. Design of Business Chain for Development and Sustainable Growth of PET Recycling in India, C. Ambros, Reliance Industries	RS12. Closed Loop Recycling, D. Schrager, NextLife Recycling	15B. Thermoformed Packaging from Soy Protein Isolate Resin, L. Reifschneider, Ph.D., Illinois State U.	3:15 PM
3:45 PM			RS14. Technological Solutions For Reducing Landfill Waste, M.A.McMillan, T. H. Black, M.B. Johnston, T.A. Cooper, Environmental Technology Associates Inc.Kula, Hawaii, and L. A. Bergeron, JLD Co. LLC.	16B. Evaluation of Soy Protein Isolate/Soy Hydrolysate Evaluation of Soy Protein Isolate/Soy Hydrolysate, D. Grewell, Ph.D., M. Vlad, Jay-Lin Jane, P. Mungara, Iowa State U.	3:45 PM
4:15 PM	Wednesday Paper Sessions Ends				4:15 PM
1:00PM - 4:00PM	Student Poster Display: Paris Ballroom Foyer (2nd Floor)				1:00PM - 4:00PM
	1. Recycled Electronic Housings Mixed ABS Material and Flame Retardant Identification Using Near-IR and Mechanical Testing, Mike W Dattner, Julian Salguero, Dustin Schneider, Tim A. Osswald. Univ. of Wisconsin, Polymer Eng. Center				
	2. Development of a Respirometric System to Test Biopolymer Degradation, Thitisilp Kijchavengkul, Rafael Aura, Maria Rubino, School of Packaging., Michigan State Univ., Mathieu Ngouajio, R. Thomas Fernandez, Dept. of Horticulture, Michigan State Univ.				
	3. The Effects of Foaming Temperature, and Time on the Tensile Strength, size and Morphology of Microcellular Foam, Napawan Kositruangchai (Na), Graduate Research Assistant, School of Packaging, Michigan State Univ.				
	4. Design, Synthesis and Characterization of Nano-engineered Biochemical Decontaminants, Christopher Ibeh, Brian Ray, Chih-ang Chang, Dilip Paul., Center for Nanocomposites and Multifunctional Material, Pittsburg State Univ.				
5:30 PM- 7:00 PM	Connections Reception: Paris Ballroom (2nd Floor)				5:30PM- 7:00PM
7:00 PM- 9:00 PM	ENVIRONMENTAL AWARDS DINNER STUDENT POSTER AWARDS Biltmore II Ballroom 1 st Floor				7:00 PM- 9:00 PM
	Environmental Stewardship: Wal-Mart Stores New Technology in Materials: Ciba Specialty Chemicals New Technologies in Renewable Materials &Processes: Metabolix Inc Emerging Technologies: Soliant LLC		New Technology in Processes: Spartech Corp. Design for Sustainability: Shaw Industries Plastics Recycling: Pot Recyclers Pty Ltd Enabling Technologies: AMUT North America		

GPEC 2006 Schedule, Thursday Morning, March 2nd

7:30 AM– 8:30 AM	Breakfast: Biltmore Ballroom (1st Floor)			7:30 AM– 8:30 AM
8:00 AM	<i>Speakers Preparation</i>			8:00 AM
Room	<i>Jamaica Room (2nd Floor)</i>	<i>Bahamas-Bermuda Room (2nd Floor)</i>	<i>Brussels Room (2nd Floor)</i>	Room
Track/ Section: Moderator	#3 Reclamation & Supply Ted Jacobs, Hematite Mfg.	#6 Regulatory: Deposit, Laws, Safety & Legislation Susan Kozora, Visteon Corporation	#4 Bio-Based & Biodegradable Materials Terry Cooper, ARGO Group International and Ron Walling, Advanced Materials Cntr.	Track/ Section: Moderator
8:30 AM	RS13. The Dilemmas of Plastic Wastes in a Developing Economy: Proposals for a Sustainable Management Approach for Ghana, J. N. Fobil, U. of Ghana, and Jonathan N. Hogarh, Univ. of Sci & Tech., Kumasi, Ghana	REG1. Current Issues & Regulatory Status Concerning Flame Retardants, S. D. Landry and R. B. Dawson, Albemarle Corporation	17B. Metabolix's Natural Plastics: Property Space and Processing Capabilities, R. Whitehouse, Metabolix Inc.	8:30 AM
9:00 AM	RS15. Recycling Processes which Enable Economical Conversion, Including that of Difficult to Handle Materials, M. Horrocks, Erema North America, Inc	REG2. Challenges faced by thermoplastic suppliers due to WEEE and RoHS directives, N. Concepcion, Spartech Plastics	18B. Synthesis and Characterization of Nano-engineered Biochemical Decontaminants, C. Ibeh, B. Ray, C. Chang, D. Paul, Pittsburg State U.	9:00 AM
9:30 AM	RS16, Study on the Construction of Flexible Road Using Plastic Coated Aggregate, R. Vasudevan, Ph.D. and S. Rajasekaran, Thiagarajar College of Engineering, Madurai, India	REG3. Emission Modeling of Styrene From Vinyl Ester Resin: Effect of Styrene Percentage, Temp., and Resin Depth, U. Vaidya, Ph.D., U. of Alabama-Birmingham, C. A. Ulven, North Dakota State U., J.M. Sands, J. J. La Scala, J. A. Orlicki, US Army Research Lab, Giuseppe R. Palmese Drexel U.	19B. Some Recent Advances in Thermoplastically Processable Biodegradable Starch, Polyvinyl Alcohol- and Polyactide-Based Polymer Blends , G. J. Whitchurch and T. A. Cooper, Stanelco plc., and Adept Polymers Ltd Manchester, UK.	9:30 AM
10:00 AM	15-minute Break, Paris Ballroom			10:00 AM
10:15 AM		REG4. Health and Environmental Effects of the Production, Use, and Disposal of Polyvinylchloride, N. Newman, T. Osswald, R. Hertel, U. of Wisconsin-Madison	4B. EcoflexT meets Renewable Materials, K. A. Edwards, BASF Corporation	10:15 AM
10:45 AM		REG5. Use of Plastics with Care: Code for India, Dr.Mrs.N.Rajalakshmi, U. of Madras, India		10:45 AM
12:00 PM	Lunch: Biltmore Ballroom (1st Floor)			12:00 PM
12:00 PM	PLENARY LUNCHEON SPEAKER: William R. Cardeaux, President Society of the Plastics Industry (SPI) “High Energy Costs: The Future Of Plastics”			12:00 PM
1:30 PM	Conference Ends			1:30 PM