

IAPRI 2025 Member's Conference Schedule

Tours of Virginia Tech Laboratories

VT Campus, Blacksburg, VA

8:00am-12:00pm, Mon. June 9th, 2025



Monday, June 9th, 2025

8:30am-12:00pm	IAPRI - Board of Directors Meeting, Closed to Public	Tours of VT laboratories
12:00pm-1:00pm	Lunch – Board of Directors Only, Crystal Ballroom Registration – General Public, Lower Conference Foyer	
	Wilson	Monroe
1:00pm-2:00pm	"Sustainable Packaging" Communities of Practice	
2:00pm-3:00pm		"Food Packaging" Communities of Practice
3:00pm-4:00pm	"Distribution Packaging" Communities of Practice	
4:00pm-5:00pm		"University Education" Communities of Practice
5:00pm-7:00pm	Registration – General Public, Lower Conference Foyer	
6:00pm-8:00pm	Welcome Reception – Roanoke Foyer	



Tuesday, June 10th, 2025

8:00am-8:30am	Conference Kick-Off and Welcome from Dean Paul Winistorfer, Washington Lecture Hall	
8:30am-10:00am	Keynote: “AI Meets Packaging” Omar Asali, CEO Ranpak Keynote: “Long Live Plastic!” Yunil Hwang, CEO CJ America Topics in all following sessions are color-coded. The list of topics by color is included on page 5.	
10am-10:30am	Coffee Break	
	Wilson	Monroe
10:30am-11am	“An Elastic Model for Predicting the Stretch Film Forces on Unit Loads” Mark White 101	“Circularity in Active and Intelligent Packaging” Kiara Winans 201
11am-11:30am	“Prediction modelling of pallet overhang on box compression strength” Hiral Makwana 119	“Study on the Properties of PLA/PP-based Films for Food Applications Incorporating Orange Peel from Agricultural Products” Ana Tone 202
11:30am-12pm	Poster Presentations Introduction (see page 5 for details) – Washington Lecture Hall	
12:00pm-1:30pm	Lunch, Crystal Ballroom	
	Wilson	Monroe
1:30pm-2:00pm	“Comparing Multiaxial Vibration and Shock in Truck Using Smartphone and Data Logger” Changfeng Ge 103	“Best Methods for Incorporating Nano ZnO into Polyhydroxy-alkanoates to Obtain Antimicrobial Packaging Films” Mieke Buntinx 203
2:00pm-2:30pm	“Development of New Sustainable Packaging for Fresh Products Using Temperature Control Procedures” Marta Garrido 104	“Cellulose-based trays with plastics for food packaging: A case study on modified atmosphere packaging of chicken fillets” Marit Kvalvag 204
2:30pm-3:00pm	Break	“Optimizing Oblong Cutout Shapes in Ventilated Food Packaging Designs” Mojtaba Safari 226
3:00pm-3:30pm	Break	
3:30pm-4:00pm	“Effect of Moisture Absorption and Drying on the Compression Strength of Corrugated Fiberboard Boxes” Peter Csavajda 106	“Using real-world data to predict failure modes for repackaging sensitive molecules: a risk-based approach” Mercy Okezue 305
4:00pm-4:30pm	“Measurement and Analysis of Trailer Location Effects on Vibration in Canadian Cold Chain Long-Haul Trucking” William Snyder 107	“Visible light responsive packaging material for broad-spectrum antibacterial control on food and contact surfaces” Haibo Huang 227
4:30pm-5:00pm	“Experimental Evaluation of the Hilbert Envelope Shock Detection Algorithm” Vincent Rouillard 108	“PackMit: Empowering the Transition to Sustainable and Circular Packaging in the Food Industry” Markus Schmid 208
5:00pm-6:00pm	Break	
6:00pm-9:00pm	Social Dinner, Transportation Museum	



Wednesday, June 11th, 2025

	Wilson	Monroe
8:00am-8:30am	"Empirical Validation of the Horizontal Transient Response Study on Braking and Stability Testing for Palletized Loads" Manuel Garcia Romeu Matinez 109	"New requirements and methodologies for the evaluation of packaging recyclability" Cesar Aliaga 219
8:30am-9:00am	"Cargo-vehicle coupling jumping generated by road hump and hole" Zhi-Wei Wang 110	"Review of passive packaging solutions for transport and their thermal characterization" Sibylle Blaise 210
9:00am-9:30am	"Investigating the Impact of Multi-Axis Vibration on Strain Levels in an Aluminum Rod Structure During Road Transportation" Saeid Ansari Sadrabadi 111	"Steps towards a template for fair comparisons between single use and reusable items" Roland ten Klooster 211
9:30am-10:00am	"Measurement and analysis of shock events generating by various vertical speed calming elements" Bence Molnar 112	"Understanding the Nexus of Plastic Packaging and Atmospheric Pollution for Greener Tomorrow" Yoorae Noh 212
10:00am-10:30am	Coffee Break	
	Wilson	Monroe
10:30am-11:00am	"Method for Measuring Friction Performance under Dynamic Loading Representative of Transport Conditions" Antonin Gehin 113	"Circular and Sustainable Packaging Challenges for US Military versus Consumer Packaging" Kevin Smith 213
11:00am-11:30am	"Predicting the thermal performance of bio-based cold chain packaging systems through finite element modeling." Abid Hassan 114	"Enhanced one-pot glycolysis of printed electronics to recycle PET-based supports and metal-based inks" Sergio Clemente 214
11:30am-12:00pm	Poster Presentations Introduction (see page 5 for details) – Washington Lecture Hall	
12:00pm-1:30pm	Lunch, Crystal Ballroom	
	Wilson	Monroe
1:30pm-2:00pm	"Innovation in cellulosic materials to be used in high performance packaging applications." Saul Calabuig Cobo 115	"Plastic packaging and freshwater a commodity that is fast decreasing and its impact on natural disasters and wars" Paul Singh 301
2:00pm-2:30pm	"Development of Low-Cost Bio-Binder for Biochar Based Sustainable Thermal Insulating Packaging" Carlos Diaz & Elena Merle 116	"The Role of Packaging Engineers in Informing Evidence-Based Policy Making to Minimize Export Market Disruptions..." James Sternberg 216
2:30pm-3:00pm	"Effect of converting steps on dissolved cellulose coated carton board barrier properties" Ville Leminen 117	"Thinking models for recycling information in packaging design" Roland Ten Klooster 217
3:00pm-3:30pm	Break	
3:30pm-4:00pm	"Experimental and Numerical Investigation of OTR in Metallized Monomaterial Films" Yves Wyser 118	"Leveraging LCA for Informing Packaging Eco-design and Eco-Modulation to Promote Sustainable Production" Dwi Yudison 218
4:00pm-4:30pm	"Descriptive study and evaluation of shrink hoods with recycled content for regulatory compliance" Bram Bamps 129	Novel Spray Coating Process to Develop Bioplastics onto Paper-Packaging material Chenxi Cao 128
4:30pm-6:00pm	Break (Tour bus leaves Hotel Roanoke at 5:00pm – Wells Ave. entrance)	
6:00pm-11:00pm	Social Dinner, University Club, Blacksburg VA <div>    </div>	

Thursday, June 12th, 2025

	Wilson	Monroe
8:00am-8:30am	“Optimization of properties of industrial compostable materials for flexible and rigid food packaging” Maria Jose Jimenez Pardo 121	“Enhancing freshness and sustainability through a monitoring and traceability system” Pablo Garcia Corcoles 220
8:30am-9:00am	“Polyethylene terephthalate-based heat sealable packaging film without heat sealing layer” Alexander Leo Bardenstein 122	“Packaging Impact on Consumer Experience: Voice of the E-Customer” Daniel Hellstrom 221
9:00am-9:30am	“Industrial-Scale Processing of PHA/HPMC Multilayers Using Aqueous Spray-Coating Technology.” Kihyeon Ahn 127	“Real-time optimization of reusable package transportation” Monireh Mahmoudi 222
9:30am-10:00am	“Artificial Intelligence as a Catalyst for Advancing Circular Bioeconomy in Packaging” Alina Kleiner 206	“How Patents Providing a Functional Invention Prevent Competition from Stealing Market Share” Kevin Smith 126
10:00am-10:30am	Coffee Break	
	Wilson	
10:30am-11:00am	“Can Packaging Prevent Food Waste in Homes?” Monireh Mahmoudi 207	
11:00am-12:00pm	Break	
12:00pm-1:30pm	Lunch, Crystal Ballroom	
1:30pm-2:30pm	General Meeting, Awards, Conference Closing, Washington Lecture Hall	

Tours of Virginia Tech Laboratories

VT Campus, Blacksburg, VA

8:00am-12:00pm, Friday, June 13th, 2025

Friday, June 13th, 2025



Poster Presentations (5-Minute Presentation/Introduction for each Poster)

Washington Lecture Hall		
Tuesday, June 10th 11:30am-12:00pm	"Uncovering UTSA-280 A Metal Organic Frameworks as A Safe Bioactive Food Packaging Material" Ajay Kathuria 402	"Corrugated Packaging Manufacturing Evaluation: Laser Cutting vs. Traditional Methods" Jean-Baptiste Nolot 404
	"Analysis of pallet stability and mechanical properties under horizontal constraints" Jean-Baptiste Nolot 403	"Impact of cellulose dimensions on the crystalline structure and properties of thermoplastic starch composites" Dongho Kang 405
	"Exploring Packaging Solutions for Vegan Meat Alternatives: Towards More Circular and Sustainable Designs" Alina Kleiner 406	
Washington Lecture Hall		
Wednesday, June 11 th 11:30am-12:00pm	"Lignin as a Compatibilizer for Biodegradable Polymer Blends: Enhancing Compatibility and Barrier Properties for Sustainable Packaging Applications" Dongho Kang 407	"Improving the recyclability of flexible packaging for meat: a comparison of conventional and new designs" Fiorella B.H. Dantas 411
	"Eco-Design Based on Distribution Risks as a Key Tool to Develop a Sustainable Packaging System for the Bathroom Sector" Marta Garrido 105	
	"Enhancing Moisture Barrier Properties of Poly(lactic) Acid Films with Beeswax for Sustainable Packaging Applications" Dionne Mitchell 409	

Distribution and Transport Packaging
Packaging Materials
Active and Intelligent Packaging
Packaging Sustainability
Logistics and Supply Chain
Packaging Ergonomics
Medical Packaging
Packaging for Food and Agriculture