

2023 ISTA Asia-Pacific and APN Symposium (11/15)

11/15 (Wed) 09:00~18:00	Registration (Halla hall)	
Opening ceremony Chair: Hansol Doh (Ewha Womans Univ.)		
09:40~10:00	Opening remark	Jongkyoung Kim, Chair, ISTA APD
	Welcome remarks	Andrew Joseph Gruber, President, ISTA Lerpong Jarupan, APN
Halla hall	General session: Focusing on global issues and trends (ISTA & APN) Chair : Hansol Doh (Ewha Womans Univ.)	
10:00~10:30	Keynote 1: Recent research trends in packaging (On-line) (Matthew Daum, Director, School of Packaging, Michigan State University)	
10:30~11:00	Keynote 2: Research Highlight on Packaging for Sustainability and Environmentally Consciousness (Prof. Lerpong Jarupan, Kasetsart University)	
11:00~11:30	Keynote 3: An odyssey into multifunctional biopolymer films for active/intelligent food packaging applications (Prof. Jongwhan Rhim, Kyunghee Univ.)	
Lunch		
Halla hall	Session 1-1: Distribution package testing and evaluation (ISTA Asia Pacific) Chair : Dr. Seungil Yoon (Samsung Bioepis Bioepis)	
13:00~13:30	Improve Your Packaging with Research & Testing (Eric Hiser, ISTA)	
13:30~14:00	Latest Innovations for Measuring and Testing Real-World Distribution Conditions (Alberto Tellechea, Safe Load Testing Technologies)	
14:00~14:30	How to optimize the packaging design with the transportation test results (David Jin, Lansmont, PPT Group)	
14:30~15:00	ISTA's Community Focusing on Education, Certification & Member Expertise (Matthew Thompson, VP, ISTA)	
Sara hall	Session 2-1: Packaging material studies (Yonsei University) Chair : Prof. Seonghyuk Ko (Yonsei Univ.)	
13:00~13:30	The Influence of Particle Arrangement in Nano-coating Layer on Barrier Property for bio-based plastics (Prof. Thitiporn Kaewpetch, Kasetsart University)	
13:30~14:00	Utilization of Nanoparticles to Improve the Properties of Biodegradable Polymers for Packaging Application (Prof. Nattinee Bumbudsanpharoke, Kasetsart University)	
14:00~14:30	Simulations on particle dynamics in film coating processes of particulate suspensions (Prof. Hyun Wook Jung, Korea Univ.)	
14:30~15:00	Exploring the Applications of Lignin Nanoparticles Derived from Industrial Waste for Diverse Packaging Solutions (Prof. Vanee Chonhenchob, Kasetsart University)	
15:00~15:20	COFFEE BREAK	
Halla hall	Session 1-2: Circular economy and packaging (Organized by ISTA Asia Pacific) Chair : Prof. Hyunmo Jung (Kyongbuk College of Science)	
15:20~15:50	The need to change the design element conditions of transport packaging containers (Director Hyungbin Kim, KAIP)	
15:50~16:20	Circular economy and PaaS demonstrated by Reusable Transport Packaging for Large Household Appliances (On-line) (Mr. Massimo De Santis, Free Pack Net Holding Sagl)	
16:20~16:50	A Case Analysis of Reusable Packaging Life Cycle Assessment for Sustainable E-Commerce Packaging Design and Operation (On-line) (Prof. Jong Hoon Park, Toronto Metropolitan University)	
16:50~17:20	Implementation of Artificial Neural Networks and Challenges in Estimating Box Compression Strength (On-line) (Prof. Eunhark Lee, Michigan State University)	
Sara hall	Session 2-2: Sustainable packaging and LCA studies (Organized by Yonsei University) Chair : Dr. Dongho Kang (KITECH)	
15:20~15:50	Embracing Digital Life Cycle Assessment in Packaging: A Path to Sustainable Development Goals (On-line) (Prof. Rafael Auras, Michigan State University)	
15:50~16:20	Eco-friendly Packaging Materials from Agricultural Wastes in Thailand (especially for Making Molded-Pulp Trays) (Dr. Wirongrong Tongdeesoontorn, Mae Fah Luang University)	
16:20~16:50	Enhancing functional properties of novel biodegradable packaging to reduce food loss for sustainability in modern society (On-line) (Prof. Nathdanai Harnkarnsujarit, Kasetsart University)	
16:50~17:20	Life Cycle Assessment of Eco-Friendly Paper Pouches vs. Vacuum Metallized Film Pouches for Sustainable Food Packaging (Dr. DongHo Kang, KITECH)	
18:00~20:00	Dinner and networking (by ISTA)	