



Technical Program

Tentative. Subject to Change.

Time	Topic	Speaker	Institution
Thursday, October 23, 2014			
8:30-9:00	The Status and Prospect of China's Paper Industry	Prof. Zhen-lei Cao	CTAPI
9:00-9:30	Global Industry Perspectives <i>An overview of global pulp and paper industry's drivers and TAPPI's role in fostering new technologies, competitiveness and employee development.</i>	Scott Springmier	TAPPI
9:30-10:00	General Facts on Chinese Specialty Paper Market	Prof. Wen Liu	CNPPRI
10:00-10:30	Group photo		
10:30-11:00	Specialties Paper Market Trends: Threats to Specialty Markets from Printing and Writing Players <i>Review of consumption trends and expected behavior of printing and writing producers as the lucrative specialty markets in Asia grow.</i> <ul style="list-style-type: none">• Global specialty paper segments trends• Analyze P&W players' ability to make specialty grades• What segments are at risk?• What triggers conversions?• What is unique about Asia and China?	Stanley Okoro	Fisher International
11:00-11:30	The Current Status & Future Development of China's Specialty Paper Machine Asset	Prof. Xu Yang	Hangzhou Electrical & Mechanical Design & Research Institute of Light Industry
11:30-12:00	Opportunities and Risks in Future Specialty Paper Markets <i>An overview of recent trends and developments that are affecting specialty papers markets, suppliers and customers and strategies to take advantage of emerging opportunities and avoid risks.</i>	Frank Perkowski	Business Development Advisory

Cutting-Edge Technology			
14:00-14:30	Manufacturing Technology for Long Fiber Specialty Paper	Xiang-rong Yao	Hangzhou XinHua Group
14:30-15:00	Wet End Chemistry Considerations for Specialty Grades	Nick Ince	Solenis
15:00-15:30	Development of Paper-based Biodegradable Plastic Sheets	Prof. Xiao-fan Zhou	Nanjing Forestry University
15:30-15:50	Coffee Break		
15:50-16:20	Demonstration of an Integrated Woody Biomass Biorefinery <i>A chemical pulp mill in the US explains how they are producing 600 tpd of chemical pulp and environmentally friendly biofuels as a byproduct.</i>	Darrell Waite	Old Town Fuel & Fiber
16:20-16:50	Application of Coating Technology in Specialty Paper	Prof. Gang Chen	South China University of Technology
16:50-17:20	Low-Cost Microfluidics and Diagnostic Assay Research in APPI	Prof. Wei Shen	Monash University
Friday, October 24, 2014			
Product			
8:30-9:00	Development of Flame Retarding and Conductive Dual-Function Paper	Prof. Xue-ren Qian	Northeast Forestry University
9:00-9:30	Developments in Papers that Detect and Kill Pathogens <i>The overarching goal of the SENTINEL Bioactive Paper network is to develop papers that detect and/or deactivate pathogenic bacteria and chemicals. Our progress towards this goal over the last nine years is reviewed including description of a number of devices ready for commercialization.</i>	Robert Pelton	McMaster Chemical Engineering, Scientific Director SENTINEL – Bioactive Paper Network
9:30-10:00	Study on Preparation and Properties of Specialty Paper from Aluminium Silicate Fiber	Prof. Chuan-shan Zhao	QILU University of Technology
10:00-10:20	Coffee Break		
10:20-10:50	Analogue to Digital Transformation - The Impact to Printing and Paper <i>Digital processes are replacing analogue ones in all facets of printing. High speed inkjet printers and presses are gaining market share in both the consumer, commercial and packaging space bringing with them direct connection to the web and</i>	Silke Courtenay Gianluigi Rankin	Hewlett Packard

	<i>data, personalization of the printed matter and reduced pre-press time. Paper needs to work with these newer generations of printers to generate high quality output while also maintaining a low cost structure.</i>		
10:50-11:20	Sublimation Paper Technology and Its Development	Huai-yan Ren	Coated Paper Co., Ltd. Shandong Henglian
11:20-11:50	A Novel Fly Ash Based Calcium Silicate: Its Characteristics and Potential Applications in Functional Materials	Prof. Mei-yun Zhang	Shanxi University of Science & Technology
Accessories			
14:00-14:30	Bio-based Latex Binder Systems – Progressing Sustainability in Specialty Papers <i>The presentation will introduce the unique characteristics and properties of bio-based latex binders for paper coatings and its significant differences with conventional cooked starch.</i>	Yang Lei, Rocky	EcoSynthetix
14:30-15:00	Application of Functional Materials in Specialty Papers	Xiao-jun Xu CEO	Shanghai World-prospect ChemTech CO., Ltd.
15:30-15:50	Biobased Materials for Specialty Papermaking and Paper Coating <i>The paper industry has long used biobased material including starches, proteins, casein, carboxylated cellulose, lecithin derivatives and alginate. Recently developed biobased and sustainable nanomaterials include nanoparticle biolates, nanocrystalline cellulose (CNC) nanofibrillated cellulose (CNF), starch based pigments, polylactic acid (PLA), polyhydroxyalkanoates (PHA) and zein (corn protein). These materials show promise in many applications in specialty papers, printed electronics and composites.</i>	Chuck Klass	Klass Associates
15:30-15:50	Coffee Break		
15:50-16:20	The Influence of Titanium Dioxide on Optical Properties of Decorative Paper	Zhi-rong Luo	Kingdecor (Zhejiang) Co., Ltd.
16:20-16:50	Application of Modified Polyvinyl Alcohol in Specialty Papers	Shuang-quan Liu	Kuaray (Shanghai) Co., Ltd.
16:50-17:20	Networking Session		

Saturday, October 25, 2014

8:00	Buses depart from Rainbow Hotel for Suzhou
9:30-11:00	Visit to Gold Huasheng Paper Co., Ltd, Suzhou Industrial Park
11:00-11:30	Visit to Shanghai Qianfeng Machinery (light-industry plant), Suzhou Industrial Park
12:00-14:30	Return to Rainbow Hotel after lunch