

**Association of Industrial Metallizers,
Coaters and Laminators Fall Technical
Conference and 25th International
Vacuum Web Coating Conference 2011**

**Reno, Nevada, USA
23-26 October 2011**

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WEB COATING CONFERENCE 2011

The Premier Event for Web and Vacuum Web Coating and Finishing

October 23-26 | Reno, Nevada | USA

Keynotes

Joint Sessions

Coating/Laminating Sessions

Vacuum Web Coating Sessions

Keynotes

Sunday, October 23

Keynote Address

Finger Painting Once Again: Advances in Touch Panel Displays

Mark Fihn, Publisher and Editor-in-chief at Veritas et Visus

F

Tuesday, October 25

Special Presentation

Real-Win-Worth -- A Valuable Tool for Reducing Risks When Introducing Innovative Products

Don McClure, Acuity Consulting & Training

G

Joint Sessions

Monday, October 24

Joint Session 1 AB - Substrate Technology/Markets

Polyester Film State of the Industry Review

Danis Roy, Terphane Inc.

G

Transparent Film Technology for Touch Screen and Flexible Display Applications

Brian Herr, Dontech Inc.

H

High Performance Flexible Transparent Conductive Film

Ron Lubianez, Heraeus Materials Technology LLC

I €

Wednesday, October 26

Joint Session 1 AB - Substrate Technology/Markets

Vacuum and Atmospheric Coating and Lamination Techniques Applied to Li-S Battery Fabrication

John Affinito, Sion

I F

Advances in Roll to Roll Imprint Lithography for Display Applications using Self Aligned Imprint Lithography

John Maltabes, HP Labs

J

Continuous and R2R ALD for Coating of Polymer Webs

Mikko Soderlund, Beneq

F €

Improve Barrier & Significantly Reduce Your Carbon Footprint with In-Line Metallizing & Top-Coating

Dante Ferrari and Veronica Ataya, Celplast

F €

Photonic Curing Explanation and Application to Printing Copper Traces on Low Temperature Substrates

Kurt Schroder, NovaCentrix

F I G

Freshure Coatings: Environmentally Friendly Transparent High Barrier Coating

S. Jahromi, Knowfort Technologies

F J

Coating/Laminating Sessions

Monday, October 24

Session 1A: Safety & Lean Manufacturing Practices for Coaters & Laminators

Implementation of Lean Manufacturing in a Coating and Laminating Operation

Michael Martin, Erickson International

F I

OSHA's Voluntary Protection Program (VPP) - To Journey or Not to Journey, That is the Question

Thomas Rimel, Dunmore

F J

Upgrading Machine Safety Devices and Interlocks

Paul Malburg, Madico, Inc

G F

Session 2A: Assessment and Modernization Abstract Presentation

Evaluating Your Coating Company Larry Gogolin, Gogolin & Associates	GÍ
Machine Modernization -- When is it right for me? Jim Miceli and Mike Cromheecke, Rockwell Automation	GÌ
Manufacturing Informatics Peter Larochelle, NeoMatrix	GÌ
Making Your Legacy Coater/Laminator Work Steve Huff, Roll Sciences/Imperial Rubber Products, Inc	GJH
The Use of Energy in Converting Equipment Giancarlo Caimmi, Nordmeccanica	H€J

Tuesday, October 25

Session 3A: Defect Detection & Quality Improvement

Slot Die Coating Technology and Process Improvement Mark Miller, Coating Tech Service	HG
Film Inspection: The Gel Count Standard Kysle King, OCS Optical Control Systems	H€
Innovative Inspection and Measurement Solutions Jochen Koenig, Schenk Vision	HÌ
Process Improvement Opportunities from New In-line Coating and Film Thickness Measurement Tools Vivek Komaragiri, Sensory Analytics, LLC	HÌ
Non-Contact, Laser-Based Technology for Accurately Measuring the Length and Speed of Product in Web Coating and Lamination Stuart Manser, Beta LaserMike	HÌ
Contact Cleaning for Functional Coatings in Emerging Technologies Sheila Hamilton, Teknek Ltd	I€

Wednesday, October 26

Session 4A: Defect Detection & Quality Improvement

Controlling Static on an Unwinding Roll Kelly Robinson, Electrostatic Answers	IĞ
Game-Changing Surface Pretreatment Technology Tom Gilbertson, Enercon Industries Corporation	IÌ
Solving Common Web Processing Problems by Implementing Parabolic Crowns on Process Rollers Matt Menges, Menges Roller	IÎH
Double Sided Coating Methods for Paper and Films Joerg Pahle-Kraas, SAM SUNGAN RALPH PAGENDARM	IÎF
Integrated Melt-Stream Heating Bruce Taylor, Xaloy	IJH
Beyond the Barriers of Performance through Sound Gene Plavnik, Heat Technologies, Inc.	I€

Vacuum Web Coating Sessions

Monday, October 24

Session 1B: System Design

On the Way to the latest Packaging R2R Metallizer Peter Sauer, Schmid Vacuum Technology GmbH	IĞ
ITO Film Trend for Touch Panel Applications Haruhiko Itoh, Teijin Chemicals Ltd.	IÎF
Advanced PVD R2R Equipment for Leading Edge Touch Panel Applications Reiner Kukla, AMAT	IÎJ

Session 2B: Barrier

Improvement of Gas Barrier Properties by Combination of Polymer Film and Gas Barrier Layer Yumi Tsumagari, Toyobo Co., Ltd.	IÎF
Evaporated Aluminum on Polypropylene: Oxide Layer Thicknesses as a Function of Oxygen Plasma Treatment Level Don McClure, Acuity Consulting & Training	IÎÌ
Development of Gas Barrier Properties by Controlling Defects in Gas Barrier Layers Sachi Murakami, Toyobo Co., Ltd.	IÎJ
Clear Hard Coat Films via Hybrid Multi-Layer (HML) Vacuum Deposition Jim DiBattista, Darly Custom Technology, Inc.	ÎH

Cost Effective Total Barrier Solutions for Plastic Electronics Applications

Saravanan Shanmugavel, Tera Barrier

[↑↑F](#)**Tuesday, October 25****Session 3B: Substrates & Patterning**

Development of New Materials Using Vacuum Technology in Alternative Energy Applications

Kent Coulter, SWRI

[↑↑i](#)**Formulating Substrates for Winding in Vacuum Metallization**

Eldridge Mount, EMMOUNT Technologies, LLC

[↑J↑](#)**Flexible Glass Substrates for R2R Manufacturing**

Sean Garner, Corning

[↑FG](#)**High Definition Selective Metallization for Printed Electronics**

Wolfgang Decker, VAST Films, Ltd.

[↑G](#)**Market Overview & Dev. in Met. & Vacuum Coating Films & Papers**

Corey Reardon, AWA

[↑H](#)**FLEX-M: Vacuum Web Coater with High Precision Pattern Printingfor Holographic Application**

Anye Chifen, Leybold Optics

[↑i](#)**Wednesday, October 26****Session 4B: System Issues**

High Quality, High Rate Coatings by Plasma Enhanced Chemical Vapor Deposition on Large Area Substrates

John Madocks, General Plasma Inc.

[↑↑i](#)**Methods to Generate Plasma Assistance for Vacuum-based Web Coating Processes**

Sarah Williams, Gencoa

[↑i](#)**Designing Drive Systems for Low Web Speeds**

William Gilbert, Siemens

[↑EH](#)**Evaporation Boat Technologies - Application of Metals other than Aluminum**

Chris Decker, Kennametal

[↑HF](#)**The Old Bishop's Almanac: Prognostications for the future of Vacuum Coating, The 'Good News' Edition**

Charles Bishop, C.A. Bishop Consulting

[↑H](#)**Inertial Roll Alignment for Vacuum Metallizers**

Mike Ciocys, Pruftechnik Service, Inc.

[↑fH](#)