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- 4.11 **Phil Hoekstra**, *Buckman* [New Biotechnology for Paper Machine Boilouts](#)
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- 11.1 **Dick Reese**, *Dick Reese and Associates, Inc.* [Development of Papermaking Technology](#)

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- 12.1 **Kerry Figiel**, *International Paper* [Paper Machine Quality Control Systems \(OCS\)](#) **Steven Sturm**, *ABB*; **Jack Tippett**, *Emerson*; **John C. Gill**, *Georgia Pacific*; **Ross MacHattie**, *Honeywell Process Solutions*; **Seyhan Nuyan**, *Metso*
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- 26.2 **Dr. Demetrius Michos**, *W.R. Grace* [Silica Pigments for use in Commercial Color Inkjet, High-Volume, On-Demand Printing Systems](#)
- 26.3 **Dan Varney**, *Omya, Inc.* [High Solids Modified Calcium Carbonates- A Concept for Ink-Jet Papers](#) **Vesa Kukkamö**, *Omya, Inc.*
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- 27.3 **Henri Vaittinen**, *Metso* [Metal Belt Calendering of Uncoated and Coated Paper](#) **Minna Korkeamäki**, **Petri Ristola**, *Metso*; **Maiju Aikala**, *VTT Technical Research Centre of Finland*
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- 31 C **Frank Swietlik**, *Metso* [Modern Closed Draw Pressing](#)

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- 32.3 **Ari Puurtinen**, *Metso Paper* [Development of Initial Dewatering at Shoe and Blade Gap Former](#) **Antti Koponen, Juha Salmela, Pasi Selenius**, *VTT*
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- 38.3 **Rosy Covarrubias**, *Buckman* [Next Generation Increased Solids Dry Strength Additive](#) **Daniel Glover**, *Buckman*
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- 49.2 **Charles Hunter Ph.D.**,
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- 51.4 **James L. Ewald P.E.**, *Paperchine, Inc.* [A Simplified Headbox for Primary or Secondary Applications](#) **Greg Welcher**, *Paperchine, Inc.*
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- 53.2 **Greg Welsch**, *The Dow Chemical Company* [Coating Machine Safety Practices and Controls - A Pilot Coater View](#)
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- 55.2 **David Jones**, *Buckman* [Using Enzymes to Improve Tissue Manufacturing](#)
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- 60 A **Tom Rodencal**, *Rodencal Paper Consulting Inc.* [Alternatives to Gamma](#)
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- 60 C **John Neun**, *Albany International* [Alternatives to Gamma Radiation for Wet End Analysis](#)
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- 61.3 **Jukka-Pekka Raunio**, *Tampere University of Technology* [Web-Wide Diagnostics of Paper Properties Based on Fault Detector System Images \(Presentation\)](#) **Tommi Kärkkäinen, Tuomo Rossi, Ville Tirronen**, *Jyväskylä University*; **Risto Ritala**, *Tampere University of Technology*; **Isto Nironen**, *Viconsys Inc.*

Session 62: Young Professionals - Coating 101

Session Chair: **Femi Kotoye**, *Dow Chemical Company*

- 62 A **Charles Klass**, *Klass Associates Inc.* [Coated Paper and Paperboard Overview](#)
- 62 B **Steven Ottone**, *Mallard Creek Polymers* [Introduction to Coated Paper - pigments, binders and additives](#)
- 62 C **David Smith**, *Lithometrics LLC* [Introduction to Printing Technology](#)

Session 64: Fluid Mechanics of Drainage & Dewatering

Session Chair: **Jimmy Jong**, *FPInnovations (Paprican)*

- 64.1 **Oliver Baumann**, *Xerium Technologies Inc.* [Engineered Forming Fabric Drainage Channel - Is There a New Forming Fabric Revolution Coming? \(Presentation\)](#)
- 64.2 **Ari Puurtinen**, *Metso* [Effect of Initial Dewatering](#) **Jukka Muhonen**, *Metso*

[Lay-Out of a Gap Former on Sheet Structure and Printability](#)

[\(Presentation\)](#)

64.3 **Wu Qin**, *GuangXi University*

[Improvement of the Drainability of Poplar APMP Pulp by Enzymes Treatment](#)

[\(Presentation\)](#)

Wang Shuangfei, *GuangXi University*; **Chen Jiachuan**, *GuangXi University and Shandong Institute of Light Industry*; **Dong Yi, Kong Fangong**, *Shandong Institute of Light Industry*

Session 57: Headbox/Forming Innovations for Paper Grades - Panel Discussion

Session Chair: **Joe Genco / Jay Shands**, *University of Maine / Johnson Foils*

57 A **Michael Bilodeau**, *University of Maine*

[Paper Properties of Interest to Printers of White](#)

57 B **James Ewald**, *Paperchine Inc.*

[PCR StableFLO, the next generation of flow](#)

57 C **Frank Swietlik**, *Metso*

[Forming Technology for White Papers](#)

57 D **James Anema**, *Paperchine Inc.*

[Press Configurations for White Paper Grades](#)