



Tissue 101 Properties and Processes: Instructor Bios

COURSE CHAIR: BRUCE W. JANDA- INNOVASPEC

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Module 1: Tissue Business and Products

Module 2: Web-Fiber Networks

Module 3: Tissue Fiber Properties

Module 6: Stock Prep & Refining

Module 7: Forming and Headbox Operations

Module 8: Forming Fabrics

Module 10: Drying Systems

Module 13: Structured Tissue

Module 14: Winding and Converting

Bruce Janda, co-founder and principal of InnovaSpec, LLC, has over 39 years of experience in the paper and nonwoven industry, specializing in tissue and towel processes and products. Bruce held positions in the tissue industry at Georgia-Pacific, Kimberly-Clark and others with roles in product development, engineering, and manufacturing. He worked on the supplier side at AstenJohnson as the product manager for TAD and forming fabrics in addition to leading serving as the North American product business leader and global innovation leader for forming.

Bruce has extensive applications experience on world class, high speed tissue and TAD machines in North America and Europe both as a producer and supplier. He had the opportunity to participate in three new tissue machine projects as process design leader, construction supervisor, and checkout/start up leader. Bruce has a BS in chemical engineering from Michigan Technological University, MBA from University of Wisconsin – Oshkosh, Executive Scholar Certificate from the Kellogg School of Northwestern University, and Lean Sigma Black Belt certification from AstenJohnson. He has 17 US patents issued and two pending, all related to tissue and papermaking. One of his key product development projects was leadership of the eMotion® electronic towel dispenser and TAD towel from concept through manufacturing and commercialization. This now represents a \$1 billion/year sales brand for Georgia-Pacific.



COURSE CO-CHAIR: JEFF PETERS - BTG AMERICAS

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Module 4: Consistency Measure/Control

Module 11: Creping & Blade Geometry

Jeff graduated from University of Wisconsin-Madison with a degree in Chemical Engineering. He started his career with Hercules Incorporated. Over his 23 year career he spent time in field sales, Global Tissue Applications, Tissue Business Management and Global Tissue Marketing. Jeff left the paper industry for a few years to test his entrepreneurial spirit. Four years ago, he joined BTG Americas as the organization's Tissue Applications Manager.

LUCYNA M. PAWLOWSKA

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Module 5: Chemical Additives

Module 12: Creping Chemistry

Lucyna Pawlowska is a tissue process application specialist with Kemira North America. She interfaces closely with Kemira's sales and research and development, as well as the mill production staff, to facilitate product development and market introduction. Prior to her current position, she worked in paper chemicals R&D for 18 years, developing new products such as retention aids, temporary wet strength resin, dry strength resins, internal and surface sizing agents, emulsifiers for sizing agents, softener and tissue creping aids.

Lucyna has a B.S. degree in chemistry from the Charter Oak State College, Newington, CT and a Master's of commodities engineering from the University of Economy, Krakow, Poland. She relocated from Poland to the US in 1988 and gained her US citizenship in 1993. In 1991 she started her career in the paper chemicals industry with American Cyanamid. Due to a series of spin offs and acquisitions in the paper chemicals industry, she has worked for Cytec Industries, Bayer, Bayer Chemicals and Lanxess. She joined Kemira Chemicals Inc. in April 2006 following the acquisition of Lanxess.



CALVIN HAYDEN- VOITH PAPER FABRICS & ROLL SYSTEMS, INC.

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Module 9: Pressing and Pressing Fabrics



Application and Process Specialist -Tissue, Voith Paper Fabrics & Roll Systems, Inc. Calvin has 31 years of experience in the industry. He started in paper mill production supervision. For the last 22 years he has held design and application roles for paper machine clothing. The last 20 years have been as a Tissue press fabric specialist and product manager. In this role Calvin coordinates the optimization of tissue press fabrics at customer mill sites, the felt manufacturing site and works with R&D to bring new tissue papermaking technologies to market.

He received his degree in Paper Science from the University of Wisconsin – Stevens Point. Calvin has 2 US and European patents in seamed and endless tissue press fabrics.