

INTERNATIONAL
**POWDER
& BULK SOLIDS**
CONFERENCE & EXHIBITION

May 6–8, 2014

Donald E. Stephens Convention Center
Rosemont, IL



REGISTRATION

HOME

AGENDA

SPEAKERS

PRICING

PARTNERS

EXPO

Full Agenda

DAY 1 | TUESDAY, MAY 6, 2014

9:00

KEYNOTE TECHNOLOGY PANEL | IDENTIFYING COMBUSTIBLE DUST HAZARDS AND HAZARD MITIGATING STRATEGIES

Moderator:

Amy Theis, Director of Risk Management Services, [FAUSKE & ASSOCIATES](#)

Panelists:

Dr.-Ing. Johannes Lotterman, Head of Projects and Expansion, [REMBE INC. \(GERMANY\)](#)

Gary Q. Johnson, Chemical Engineer & Consultant, [WORKPLACE EXPOSURE SOLUTIONS](#)

David Grandaw, Vice President of Sales, [IEP TECHNOLOGIES](#)

Bill Stevenson, Vice President of Engineering, [CV TECHNOLOGY](#)

Vahid Ebadat Ph.D., Chief Executive Officer, [CHILWORTH NORTH AMERICA](#)

NETWORKING BREAK

10:15am

TRACK A

TECHNICAL WORKSHOP (A)

Predicting Pneumatic Conveying Performance

Mark Jones, Director of TUNRA Bulk Solids Handling Research, Professor of Engineering & Built Environment, [UNIVERSITY OF NEWCASTLE \(AUSTRALIA\)](#)

TRACK B

WHAT'S NEW IN TECH

Nanotechnology Advancements and Applications

Stephen Miranda, Sales Director North America, Grinding & Dispersion, [NETZSCH](#)

TRACK C

TECHNICAL WORKSHOP (F)

Part 1: Understanding the Causes of Powder and Bulk Material Handling Problems

Eric Maynard, Senior Consultant, [JENIKE & JOHANSON INC.](#)

TRACK D

TECHNICAL WORKSHOP (F)

Fluid Bed Dryers with Integrated Heat Exchangers

Dr.-Ing. Mathias Trojosky, Head of Drying Technology, [ALLGAIER GROUP \(GERMANY\)](#)

NETWORKING BREAK & TIME TO EXPLORE THE EXPO HALL

1:30pm

TECHNICAL WORKSHOP (A)

Design & Specification of Pneumatic Conveying Systems

David Mills, Pneumatic Conveying Consultant, [UK](#)

TECHNICAL WORKSHOP (F)

Part 2: Practical Solutions to Costly Bulk Solids Flow Problems

Eric Maynard, Senior Consultant, [JENIKE & JOHANSON INC.](#)

STANDARDS COMPLIANCE

OSHA's Combustible Dust NEP Update - Region V's Perspective

Mark Knezovich, M.S. Industrial Hygienist, OSHA - Region V Enforcement Programs, [Chicago, IL](#)

INNOVATION ON THE SHOW FLOOR

Facilitated **Bulk Storage and Feeding** tour of the show floor to stop and speak with exhibitors and discover what is new at PTXi in 2014!

Joe Marinelli, President, [SOLIDS HANDLING TECHNOLOGIES, INC.](#)

NETWORKING BREAK

3:15pm

WHAT'S NEW IN TECH

Solving Powder Challenges Using Particle Size and Particle Shape Analysis

Ian Treviranus, Product Line Manager, [HORIBA INSTRUMENTS INC.](#)

INDUSTRY PANEL DISCUSSION

Common Challenges in Food and Agriculture Handling

Moderator:

Mark Jones, Director of TUNRA Bulk Solids Handling Research, Professor of Engineering & Built Environment, [UNIVERSITY OF NEWCASTLE \(AUSTRALIA\)](#)

Par Almhem, President, [MODWAVE](#)

Jeff Chambers, PE, PMP, Senior Engineering Capital Project Manager & Engineering Leadership, [RODEM](#)

Ryan Sausser, Senior Process Engineer, [KELLOGG COMPANY](#)

TECHNICAL WORKSHOP (F)

Dust Collection System Maintenance and Troubleshooting

Gary Q. Johnson, Chemical Engineer & Consultant, [WORKPLACE EXPOSURE SOLUTIONS](#)

TECHNICAL WORKSHOP (F)

Volumetric and Gravimetric Feeder Design to Ensure Reliable Flow

Joe Marinelli, President, [SOLIDS HANDLING TECHNOLOGIES, INC.](#)

DAY 2 | WEDNESDAY, MAY 7, 2014

8:30	KEYNOTE TECHNOLOGY PANEL DISCRETE ELEMENT MODELING (DEM) CONCEPTS AND APPLICATIONS		
	Moderator: Shrikant Dhodapkar , <i>Research Fellow, Process R&D, Performance Plastics Division, THE DOW CHEMICAL COMPANY</i> <i>Adjunct Professor, Department of Chemical Engineering, UNIVERSITY OF PITTSBURGH</i>		
	Panelists: Richard LaRoche , <i>Vice President of Engineering & US General Manager, DEM SOLUTIONS</i> Alan Roberts , <i>Professor Emeritus, UNIVERSITY OF NEWCASTLE</i> Founding Director, TUNRA BULK & SOLIDS Andre Katterfeld , <i>Professor, Institute of Logistics & Material Handling Systems, UNIVERSITAT MAGDEBURG</i> Tim Donohue , <i>Engineering Manager for Modeling & Simulation, TUNRA BULK & SOLIDS</i> Yutaka Tsuji , <i>Professor Emeritus, OSAKA UNIVERSITY</i> Chairman of APPIE (JAPAN) Dr. Rahul Bharadwaj , <i>Senior R&D Engineer, JENIKE & JOHANSON</i>		

NETWORKING BREAK

	TRACK A	TRACK B	TRACK C	TRACK D
10:15am	TECHNICAL WORKSHOP (A) Troubleshooting Pneumatic Conveying Systems David Mills , <i>Pneumatic Conveying Consultant, UK</i> Vijay Agarwal , <i>Professor, Industrial Tribology, Machine Dynamics & Maintenance Engineering Centre, INDIAN INSTITUTE OF TECHNOLOGY DELHI</i>	WHAT'S NEW IN TECH Advanced Vent Design to Mitigate Dryer Explosions Scott Davis , <i>President, GEXCON</i>	TECHNICAL WORKSHOP (F) Understanding Dense Phase Pneumatic Conveying - When to use it and When not to Mark Jones , <i>Director of TUNRA Bulk Solids Handling Research, Professor of Engineering & Built Environment, UNIVERSITY OF NEWCASTLE (AUSTRALIA)</i>	TECHNICAL WORKSHOP (A) Solving and Preventing Costly Segregation Problems with Your Powders and Blends Eric Maynard , <i>Senior Consultant, JENIKE & JOHANSON INC.</i>

NETWORKING BREAK & TIME TO EXPLORE THE EXPO HALL

1:30pm	REMBE Safe Handling of Combustible Dusts by Means of Passive Explosion Protection Dr.-Ing. Johannes Lotterman , <i>Head of Projects and Expansion, REMBE INC. (GERMANY)</i>	TECHNICAL WORKSHOP (F) Discrete Element Modeling 101 Dr. Rahul Bharadwaj , <i>Senior R&D Engineer, JENIKE & JOHANSON</i>	STANDARDS COMPLIANCE NFPA Combustible Dust Standards - An Overview and Status Update Guy Colonna, P.E. , <i>Division Manager, NFPA</i>	INNOVATION ON THE SHOW FLOOR Facilitated Pneumatic Conveying tour of the show floor to stop and speak with exhibitors and discover what is new at PTXi in 2014! Joe Marinelli , <i>President, SOLIDS HANDLING TECHNOLOGIES, INC.</i>
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NETWORKING BREAK

3:15pm	TECHNICAL WORKSHOP (A) Electrostatic Hazards: Assessments and Control of Ignition Risks Vahid Ebadat, Ph.D. , <i>Chief Executive Officer, CHILWORTH NORTH AMERICA</i>	INDUSTRY PANEL DISCUSSION Common Challenges in Chemical Handling Moderator: Russell A. Ogle, Ph.D., CSP , <i>Principal Engineer, EXPONENT</i> Panelists: Shrikant Dhodapkar , <i>Research Fellow, Process R&D, Performance Plastics Division, THE DOW CHEMICAL COMPANY</i> , <i>Adjunct Professor, Department of Chemical Engineering, UNIVERSITY OF PITTSBURGH</i> Karl Jacob , <i>Research Scientist, Technical Leader in Engineering Sciences, DOW CHEMICAL</i> Nancy C. Easterbrook , <i>Gas Applications Manager, AIR PRODUCTS & CHEMICALS INC.</i>	TECHNICAL WORKSHOP (F) Process and Dust Collection Equipment Designs that Minimize Fugitive Dust Accumulations Gary Q. Johnson , <i>Chemical Engineer & Consultant, WORKPLACE EXPOSURE SOLUTIONS</i>	TECHNICAL WORKSHOP (F) Material Storage Fundamentals Joe Marinelli , <i>President, SOLIDS HANDLING TECHNOLOGIES, INC.</i>
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DAY 3 | THURSDAY, MAY 8, 2014

9:00	KEYNOTE TECHNOLOGY PANEL COMPUTATIONAL FLUID DYNAMICS (CFD) IN TODAY'S BULK SOLIDS HANDLING		
	Moderator: Ray Cocco , <i>President & CEO, PARTICULATE SOLID RESEARCH INC.</i>		
	Panelists: Steve Frankel , <i>Professor, Faculty of Mechanical Engineering, Technion, ISRAEL INSTITUTE OF TECHNOLOGY</i> Xiaoyi He, Ph.D. , <i>Research Associate, Computational Modeling Center, AIR PRODUCTS & CHEMICALS INC.</i>		

<div>Scott Davis, President - Principal Engineer, GEXCON Jef Snoeys, Director of Explosion Protection Technology Group, FIKE CORPORATION</div>				
NETWORKING BREAK				
	TRACK A	TRACK B	TRACK C	TRACK D
10:15am	TECHNICAL WORKSHOP (A) Optimizing Dilute Phase Pneumatic Conveying Systems Paul Solt, Principal Consultant, PNEUMATIC CONVEYING CONSULTANTS Jack Hilbert, Principal Consultant, PNEUMATIC CONVEYING CONSULTANTS	STANDARDS COMPLIANCE What You Don't Know About Combustible Dust Can Hurt You Joseph Howicz, CSP, CFPS, Occupational Safety & Fire Protection Expert (Former OSHA Senior Compliance Officer) Michael Serpe, CSP, President, SAFETYFIRSTNA	INTERNATIONAL BEST PRACTICES Panel Discussion Moderator: Steve Frankel, Professor, Faculty of Mechanical Engineering, Technion, ISRAEL INSTITUTE OF TECHNOLOGY Panelists: Vijay Agarwal, Professor, Industrial Tribology, Machine Dynamics & Maintenance Engineering Centre, INDIAN INSTITUTE OF TECHNOLOGY DELHI Yutaka Tsuji, Professor Emeritus, OSAKA UNIVERSITY Chairman of APPIE (JAPAN) Joe Roettle, Global Sales Manager, Barcelona, Spain, ECUTEC Andre Katterfeld, Professor, Institute of Logistics & Material Handling Systems, UNIVERSITAT MAGDEBURG	INNOVATION ON THE SHOW FLOOR Facilitated Dust Control tour of the show floor to stop and speak with exhibitors and discover what is new at PTXi in 2014! Gary Q. Johnson, Chemical Engineer & Consultant, WORKPLACE EXPOSURE SOLUTIONS
NETWORKING BREAK & TIME TO EXPLORE THE EXPO HALL				
1:30pm	TECHNICAL WORKSHOP (F) Essentials for the Reliable Feeding of Bulk Solids Alan Roberts, Professor Emeritus, UNIVERSITY OF NEWCASTLE Founding Director, TUNRA BULK & SOLIDS	INDUSTRY PANEL DISCUSSION Common Challenges in Pharmaceutical Manufacturing Moderator: Vijay Agarwal, Professor, Industrial Tribology, Machine Dynamics & Maintenance Engineering Centre, INDIAN INSTITUTE OF TECHNOLOGY DELHI George Petroka, Director of BioPharma/ EHS Services, IES ENGINEERS Par Alnhem, President, MODWAVE Fernando J. Muzzio, Ph.D., Director of NSF Engineering Research Center on Structured Organic Particulate Systems, Department of Chemical & Biochemical Engineering, RUTGERS UNIVERSITY	TECHNICAL WORKSHOP (F) Milling and Classification of Ultrafine Powders Joe Roettle, Global Sales Manager, ECUTEC A.J. DeCenso, President, PREFERRED PROCESS SOLUTIONS, LLC	TECHNICAL WORKSHOP (A) Critical Lessons for Mixing, Blending, and Sampling Operations Eric Maynard, Senior Consultant, JENIKE & JOHANSON INC.
NETWORKING BREAK				
3:15pm	TECHNICAL WORKSHOP (F) Selecting the Right Line Charger for a Pneumatic Conveying System Jack Hilbert, Principal Consultant, PNEUMATIC CONVEYING CONSULTANTS	TECHNICAL WORKSHOP (A) The Use of DEM for Practical Chute Design Tim Donohue, Engineering Manager for Modeling & Simulation, TUNRA BULK & SOLIDS Andre Katterfeld, Professor, Institute of Logistics & Material Handling Systems, UNIVERSITAT MAGDEBURG	TECHNICAL WORKSHOP (F) Controlling Dust Explosion Hazards Associated with Packaging Vahid Ebadat, Ph.D., Chief Executive Officer, CHILWORTH NORTH AMERICA	TECHNICAL WORKSHOP (F) Conveyor Selection Criteria for Mechanical Handling Systems Alan Roberts, Professor Emeritus, UNIVERSITY OF NEWCASTLE Founding Director, TUNRA BULK & SOLIDS

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