



DIGITAL  
**DUST SAFETY**  
CONFERENCE

**Draft Conference Program**  
**February 24–27**

Register at [DDSC2020.com](https://DDSC2020.com)

# DAY 1

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## Draft Industry Presentations Agenda

Monday, February 24

Register at [DDSC2020.com](https://DDSC2020.com)

### Opening Presentations

9:00 AM  
INTRODUCTION

#### Opening Keynote

*Dr. Chris Cloney | DustEx Research Ltd.*

10:00 AM  
KEYNOTE

#### A Global Overview of Combustible Dust Standards and Regulations

*Dr. Bob Zalosh | FireExplo*

### Session 1: Hazard Identification & Analysis - Important Concepts

11:00 AM

#### Introduction to NFPA 652 & Dust Hazard Analysis

*David Hakes | XP Products*

11:30 AM

#### Introduction to Combustible Dust Test Methods

*Dr. Ashok Dastidar | Fauske & Associates*

12:00 PM

#### Differences Between the Global Approaches to Hazard Analysis

*Dr. Jef Snoeys & Bruce McLelland | Fike*

12:30 PM

#### Differences Between Prescriptive, Performance & Risk-Based DHAs

*John Wincek | Dekra*

### Session 2: Hazard Identification & Analysis - Case Examples (Part 1)

2:00 PM

#### Example Application of Combustible Dust Testing

*Martin Clouthier | Jensen Hughes*

2:30 PM

#### Combustible Dust Hazard Identification and the Dust Hazard Analysis

*Jeff Davis | Conversion Technology Inc.*

3:00 PM

#### Challenges Retrofitting Explosion Protection in Existing Facilities

*Chris Giusto | Hallam-ICS*

3:30 PM

#### Example QRA in Dust Handling Operations

*Marc Hodapp | Jensen Hughes*

### Closing Keynotes

4:00 PM  
KEYNOTE

#### A CSB Update on Combustible Dust Safety in 2020

*Wills Hougland | US Chemical Safety Board*

05:00 PM  
CLOSING

#### Legal Liability in Regards to Combustible Dust Safety

*Howard Mavity | Fisher & Phillips LLP*

# DAY 2

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## Draft Industry Presentations Agenda

Tuesday, February 25

Register at [DDSC2020.com](http://DDSC2020.com)

### Opening Presentations

9:00 AM  
INTRODUCTION

#### Opening Keynote

*Dr. Chris Cloney | DustEx Research Ltd.*

10:00 AM  
KEYNOTE

#### Recognizing, Evaluating, and Controlling Hazards of Combustible Dust – NFPA Standards Overview and Update

*Guy Colonna | National Fire Protection Agency*

### Session 3: Hazard Identification & Analysis - Case Examples (Part 2)

11:00 AM

#### Explosion Protection System Deficiencies as Discovered Through Performing DHAs

*Phil Parsons of Baker Engineering and Risk Consultants, Inc*

11:30 AM

#### TBD

*TBD*

12:00 PM

#### International Ex Facility Assessment & Certification

*Arpad Veress | ExNB*

12:30 PM

#### Lessons Learned from Global Plant Inspections

*Francesca Vincenzi | REMBE*

### Session 4: System Design & Processing Equipment

2:00 PM

#### Flexible Hose Technology and Combustible Dusts

*Ross Blanford & Enrique Seoane | Masterduct*

2:30 PM

#### Monitoring Common Bucket Elevator Dust Ignition Sources

*Brian Knapp | 4B Components.*

3:00 PM

#### Combustible Dust Safety in Dry Bulk Storage and Equipment Applications

*Keith McGuire | CST Industries*

3:30 PM

#### Avoiding Mistakes with Dust Collection Systems

*Diane Cave | Element6*

### Closing Presentations

4:00 PM  
KEYNOTE

#### Lessons Learned from the CSB Call to Action on Combustible Dust

*Crista Vesel and Ivan Pupilidy | Dynamic Inquiry*

5:00 PM  
CLOSING

#### Dramatic Decline in Number and Severity of Explosions at Grain Handling Facilities

*Jess McCluer | National Grain and Feed Association*

# DAY 3

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## Draft Industry Presentations Agenda

Wednesday, February 26

Register at [DDSC2020.com](http://DDSC2020.com)

### Opening Presentations

8:00 AM  
INTRODUCTION

#### Opening Keynote

*Dr. Chris Cloney | DustEx Research Ltd.*

### Session 5: Explosion Prevention Methods

9:00 AM

#### Latest Developments in Spark Monitoring & Detection Solutions

*TBD | Fagus GreCon*

9:30 AM

#### A Practical Approach to Dust Monitoring

*John Korpi | Sintrol*

10:00 AM

#### Using Fan Systems to Control Fugitive Dust Accumulation

*Jordan Newton | SonicAire*

10:30 PM

#### Oxygen Reduction & Inerting System Design

*Dr. Ashok Dastidar | Fauske & Associates*

### Session 6: Explosion Protection Methods

11:00 AM

#### Traditional & Non-Traditional Explosion Venting Options

*Jason Krbec | CV Technology*

11:30 PM

#### Explosion Suppression System Design & Example

*Jeff Mycroft | Fike*

12:00 PM

#### Alternative Explosion Isolation Options for Different Equipment

*TBD | IEP Technologies*

12:30 PM

#### Comparing NFPA 68 and EN 14491 Requirements for Venting

*Marius Bloching & Jeramy Slaunwhite | REMBE*

### Session 7: Dust Control, Collection and Cleaning (Part 1)

2:00 PM

#### What You Need to Know to Purchase the Correct Collection System

*David McEwan | Nederman*

2:30 PM

#### Explosion Prevention & Protection Options for Dust Collection Systems

*Brian Richardson | Camfil APC*

3:00 PM

#### Wet Dust Collector Sizing and Installation for Metallic Dusts

*Denise Duncan | AT Industrial Products*

3:30 PM

#### Design of On-Demand Ventilation System to Maintain Minimum Duct Transport Velocities

*Ales Litomisky | EcoGate*

4:00 PM

#### Capturing Process Air: A Look At Rotary Dust Collection Systems

*Stephen Kasik | Osprey Filters*

DAY 3

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**Draft Industry  
Presentations Agenda**

**Wednesday, February 26**

Register at [DDSC2020.com](https://www.ddsc2020.com)

**Session 8: Dust Control, Collection and Cleaning (Part 2)**

4:30 PM

**Industrial Hygiene, Housekeeping & NFPA Requirements**

*TBD | Nilfisk*

5:00 PM

**Choosing Between Central Vacuum & Portable Vacuum Systems**

*Scott Boersma | Delfin*

5:30 PM

**Industrial Vacuum Accessories & Cleaning Services**

*TBD | SpaceVac*

# DAY 4

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## Draft Industry Presentations Agenda

### Thursday, February 27

Register at [DDSC2020.com](https://DDSC2020.com)

	<b>Opening Presentations</b>
10:00 AM INTRODUCTION	<b>Opening Keynote</b> <i>Dr. Chris Cloney   DustEx Research Ltd.</i>
	<b>Session 9: Experimental Research</b>
11:00 AM	<b>TBD</b> <i>Martin Clouthier</i>
11:30 AM	<b>TBD</b> <i>Albert Addo</i>
12:00 PM	<b>TBD</b> <i>Dr. Luca Marmo</i>
12:30 PM	<b>Anomalous Flammability Behavior of Dust Mixtures</b> <i>Dr. Maria Portarapillo</i>
	<b>Session 10: Computer Modelling Research</b>
1:30 PM	<b>Investigation on a Flour Mill Dust Explosion by CFD Simulations</b> <i>Dr. Paola Russo</i>
2:00 PM	<b>Modelling of Cornflour Dust Explosion Using an Open Source Code</b> <i>Dr. Chen Huang   Research Institutes of Sweden</i>
2:30 PM	<b>Simulating Pressure Piling in Coal Dust Explosion Using OpenFOAM</b> <i>Dr. Damilare Ogunbemide   Jensen Hughes</i>
3:00 PM	<b>TBD</b> <i>TBD</i>
3:30 PM	<b>TBD</b> <i>Yumeng Zhao</i>
	<b>Closing Presentation</b>
4:00 PM CLOSING	<b>Day 4 Closing Keynote</b> <i>TBD</i>