



## Powder and Bulk Solids Academy: Industry Safety of Handling Bulk Solids: Dust Hazards, Analysis, Mitigation, Prevention and Control

### Day 1

9:00 am	Welcome	Todd Smith, Kansas State University and Karl Jacob, University of Michigan
9:30 am	Introduction to combustible dust and combustible dust basics	Jason Krbec, CV Technology
10:45 am	Break	
11:00 am	Combustible dust testing	Tim Heneks, Dustcon Solutions
12:00 pm	Combustible dust regulations (NFPA 652, 654, 61 and 664)	Jason Krbec, CV Technology
1:00 pm	Conclusion of day 1	Todd Smith, Kansas State University

### Day 2

9:00 am	Recap from day 1	Todd Smith, Kansas State University and Karl Jacob, University of Michigan
9:15 am	Dust explosion prevention (NFPA 69)	Jason Krbec, CV Technology
11:00 am	Break	
11:15 am	Dust explosion mitigation (NFPA 68)	Jason Krbec, CV Technology
12:00 pm	Dust explosion issues in the process industries	Jim Koch, Dow, NFPA 654 Committee Member
1:00 pm	Conclusion of day 2	Todd Smith, Kansas State University



### Day 3

9:00 am	Recap from day 2	Todd Smith, Kansas State University and Karl Jacob, University of Michigan
9:15 am	Dust hazard analysis (NFPA 652)	Tim Heneks, Dustcon Solutions
10:45 am	Break	
11:00 am	Dust collection and industrial ventilation (NFPA 91)	Jack Osborn, Airdusco Inc
12:15 pm	Safer process designs and issues applying mitigation equipment in pneumatic conveying systems	Todd Baker, HorizonPSI
1:30 pm	Conclusion of day 3	Todd Smith, Kansas State University

### Day 4

9:00 am	Recap from day 3	Todd Smith, Kansas State University and Karl Jacob, University of Michigan
9:15 am	Housekeeping	Tim Heneks, Dustcon Solutions
10:45 am	Break	
11:00 am	Electrical area hazard classification and safety in dust control environments (NFPA 70, 77, 61, 654)	Steve Reed, Kasa Controls
12:00 pm	Dust explosion case studies	Tim Heneks, Dustcon Solutions
12:45 pm	Conclusion of course and evaluation	Todd Smith, Kansas State University