



Prevention through Design—a new way of doing business: *report on the National Initiative*

Location and Dates

- **Location:** Omni Shoreham, Washington, DC
<http://www.omnihotels.com/FindAHotel/WashingtonDCShoreham.aspx>
- **Dates:** Monday, August 22 through Wednesday, August 24, 2011 – start at noon Monday and end at noon on Wednesday

DRAFT Agenda

Day 1 – Monday August 22, 2011

1:00 – 5:00 pm

1:00 – 1:10 pm	Welcome	Margaret Kitt, M.D., MPH, Deputy Director for Program, NIOSH
1:10—1:45 pm	PtD: State of the National Initiative	Paul A. Schulte, PhD, Director, Education and Information Division, NIOSH
1:45—2:30 pm	Keynote Address	Kelvin Genn, General Manager Safety and Wellness, Sinclair Knight Merz, Australia
2:30—2:45 pm	Break	
2:45—5:00 pm	Plenary Session	
	2:45 – 3:15	William (Bill) Horsford, PhD, Project General Manager, Environmental and Safety Engineering, Toyota
	3:15 – 3:45	John Borowski, Director, Health Safety Security & Environment, WorleyParsons
	3:45 – 4:15	Wayne S. Maynard, CSP, CPE, ALCM, Manager, Technical Services & Product Development, Liberty Mutual
	4:15 – 4:45	Scott P. Schneider, CIH, Division Director, Laborers’ Health and Safety Fund of North America
	4:45 – 5:00	Overview of Day 2 Donna S. Heidel, PtD Coordinator, NIOSH
Reception/Poster Session	5:00—7:00 pm	

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Day 2—Tuesday, August 23, 2011

Session A: Research and Education Issues in PtD

8 am – 5 pm

Research Issues	8:00 – 8:30	Effects of construction design and management regulations in the UK; PtD survey of UK and the UK experience <i>Alistair Gibb, PhD, Loughborough University</i>
	8:30 – 9:00	Findings from the overall PtD in the UK study and their application to the US <i>John Gambatese, PhD, Oregon State University</i>
	9:00 – 9:30	Structural collapses during construction: lessons learned 1990 – 2008 <i>Mohammad Ayub, P.E., S.E., Directorate of Construction, USDOL-OSHA</i>
	9:30 – 10:00	Design risk analysis and quantification <i>Matthew Hallowell, PhD, University of Colorado</i>
	10:00 – 10:15	Break
	10:15 – 10:40	Benchmarking management practices related to PtD in the US <i>Steve Newell, Consultant, Mercer</i>
	10:40 – 11:20	Diffusion strategy and business value of PtD interventions <i>Elyce Biddle, PhD, NIOSH</i> <i>Amy Wolfe, Executive Director at AgSafe</i>
	11:20 – 12:00	Including occupational H&S considerations in alternatives assessment to identify chemical substitutes <i>Joel Tickner, PhD, University of Massachusetts Lowell</i> Alternatives and interventions in hospitals <i>Margaret Quinn, Sc.D., CIH, University of Massachusetts Lowell</i>
Lunch and Student Contest	12 noon – 1:30	Student PtD project competition presentations and awards
Education Issues	1:30–2:00	Inclusion of PtD into engineering textbooks <i>Atila Ertas, PhD, Texas Tech University</i>
	2:00 – 2:30	Inclusion of PtD into engineering education <i>Deborah Young-Corbett, PhD CIH CSP CHMM, Virginia Tech</i>
	2:30 – 3:00	Engineer 2020: Prevention through Design <i>James McGlothlin, PhD, Purdue University</i>
	3:00 – 3:15	Break
	3:15 – 3:45	Including PtD into undergraduate engineering courses <i>Speaker to be determined</i>
	3:45 – 4:15	Including PtD into the accreditation of civil/construction engineering curricula <i>Joseph Fradella, MS, Oregon State University</i>
	4:15 – 4:45	Educating health and safety professionals in PtD <i>Georgi Popov, PhD, University of Central Missouri</i>

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Day 2—Tuesday, August 23, 2011

Session B: Practice Issues in PtD

8 am – 5 pm

Practice Issues	8:00 – 8:30	A management systems approach for including PtD into capital projects and management of change <i>Frank Renshaw, PhD, CIH</i>
	8:30 – 9:00	Owner involvement in PtD <i>Michael Toole, PhD, Bucknell University</i>
	9:00 – 9:30	PtD as a part of capital project design and execution from the project manager's perspective <i>John Weaver, Birck Nanotechnology Center, Purdue University</i>
	9:30 – 10:00	PtD from the project and contractor's perspective <i>Jimmie Hinze, PhD, University of Florida</i>
	10:00 – 10:15	Break
	10:15 – 10:45	Life cycle approaches to project design <i>Peter Furst, MBA, Registered Architect</i>
	10:45 – 11:30	Costs/benefits of ergonomic interventions for small business <i>Dan MacLeod, CIH, CPE, MS, MPH</i>
	11:30 – 12 noon	Buy Quiet/Quiet by Design <i>Beth Cooper, NASA</i>
Lunch and Student Contest	12 noon – 1:30	Student PtD project competition presentations and awards
Practice Issues	1:30 – 1:55	Ambulance re-design to reduce EMS injuries <i>Paul Moore, Division of Safety Research, NIOSH</i>
	1:55 – 2:35	PtD current and future activities and challenges <i>Danezza Quintero, USDOL-OSHA</i> <i>Gopal Menon, P.E., USDOL-OSHA</i>
	2:35 – 5:00, including break at 3:00 – 3:15	Making buildings safe to construct, operate and maintain <i>John Gambatese, PhD, Oregon State University; Moderator</i> <ul style="list-style-type: none">• Vegetative roofs <i>Mike Behm, PhD, East Carolina University</i>• Designing out the use of Ladders <i>Thomas J. Lyons, Innovative Technical Solutions, Inc.</i>• Sustainable construction safety and health rating system <i>Sathy Rajendran, PhD</i>• Incorporating OSH into LEED certification <i>Mohamed Omar, University of Massachusetts Lowell</i>• A review of safety on four LEED projects <i>Nicholas Tymvios, Oregon State University</i>• PtD construction case studies <i>Nicholas Tymvios, Oregon State University</i>

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Day 3—Wednesday, August 24, 2011

8 am - 12 noon

<i>Policy Issues</i>	8:00 – 8:30	ASSE PtD technical report and standard <i>Fred Manuele, President, Hazards, Limited</i>
	8:30 – 8:45	ASSE PtD-related activities <i>Dave Heidorn, JD, American Society of Safety Engineers</i>
	8:45 – 9:00	AIHA PtD-related activities: Z-10 <i>Kyle B. Dotson, Dotson Group, LLC</i> <i>Representing the AIHA ANSI Z-10 committee</i>
	9:00 – 9:20	AIHA (hazard banding, business value) <i>Mary Ann Latko, AIHA</i>
	9:20 – 9:35	Break
<i>What's next?</i> <i>Challenges and Opportunities for the Future</i>	9:35 – 11:45	Panel Discussion <ul style="list-style-type: none">• Workplace violence prevention <i>Daniel Hartley, PhD, NIOSH</i>• Changing organization of work and the effect on safety and health of working people <i>Nancy Lessin, United Steelworkers - Tony Mazzocchi Center for Health, Safety and Environmental Education</i>• Worker involvement <i>Stephen Gauthier, GE, IUE/CWA, Vice Chair, Region I VPP</i>• New technology integration: nanotechnology <i>Charles Geraci, PhD, NIOSH</i>• Small business <i>Georgi Popov, PhD, University of Central Missouri</i>• AIHA board member <i>Panelist to be determined</i>• ASSE board member <i>Panelist to be determined</i>• Corporate perspective <i>Panelist pending</i>
<i>Closing Remarks</i>	11:45 – 12 noon	