

Prevention through Design Workshop 2020

Tentative Keynote Speakers include:

John Gambatese, Ph.D., PE
Professor, Oregon State University

Michael Toole, Ph.D., PE
Dean, College of Engineering
The University of Toledo

TJ Lyons, OHST CSP CRIS
Regional SHE Manager
Total Facility Solutions

Michael D. Flowers, PE, LMASCE
National Academy of Construction
Retired President and CEO,
American Bridge Company

Theme:

**“CURRENT AND FUTURE STATE-OF-THE-ART
ON RESEARCH, PRACTICE, & EDUCATION”**

<https://ptd.engineering.asu.edu/>

March 11, 2020 (the day after CRC 2020)
8 am to 3:30 pm (lunch included)
Tempe, Arizona

PtD Workshop I – Spring 2020

The first PtD workshop will identify, exchange, and leverage experiences and expertise on PtD research, practice, and education efforts at engineering, design, contractor, client and owner organizations, insurers, US colleges and universities, and agencies. Workshops participants will actively engage in the assessment and comparison between outstanding and poor implementation and education cases. With subject matter expert (SME) feedback, a baseline on the current PtD state-of-the-art will be established. Past, current, and potential PtD research efforts will be discussed. High payoff research topics will be characterized. Synergistic and collaborative opportunities will be sought among SMEs, researchers, and academics.

The first PtD workshop is scheduled the day after CRC 2020 at the same venue, and thus it becomes an excellent opportunity for CRC attendees willing to contribute to the advancement of PtD and seeking to interact with SMEs and officers at multiple agencies. Representatives of NIOSH, CPWR, ASSP, ASCE, ISSS, and NAC are expected to attend the workshop. See workshop details at <https://ptd.engineering.asu.edu/>



Prevention Through Design (PtD) Initiative (2020-2024)

The five-year Prevention through Design (PtD) Initiative aims at engaging compelling stakeholders from agencies, industry, and academia in order to advance PtD. PtD holds the promise to substantially reduce exposure of construction workers to safety and health hazards and minimize the rate of accidents, morbidity, and fatalities. When properly implemented, PtD facilitates the identification and mitigation of exposure from early project stages, i.e. from conceptual design, in contrast with the prevalent practice of waiting for construction to start. However, to date, PtD knowledge and implementation are still scarce. Such lack of PtD awareness negatively impacts the wellbeing of construction workers. Safety records in Australia and the UK (where PtD is more widely practiced) point to a disparity between their results and the US, indicating that PtD may play a significant role in reducing fatalities in the US construction sector.

With a series of annual workshops starting in Spring of 2020, this NIOSH-funded effort aims at: 1) advancing PtD knowledge; 2) promoting the implementation of PtD through the engagement of agencies, industry, and academia; and, 3) promoting the instruction of PtD in construction management and construction engineering programs at US colleges and universities.

Registration – To be opened soon

A \$40 nominal fee will be charged for registration and will cover light refreshments and lunch. Seats are limited. Registration will be soon accessible through <https://ptd.engineering.asu.edu/>

Agenda

The detailed agenda will be announced shortly.

Venue

The workshop will be held in College Avenue Commons, home to ASU's School of Sustainable Engineering and the Built Environment and its Del E. Webb School of Construction, located at 660 S. College Avenue, Tempe, AZ 85287.

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Contact: ptd@asu.edu

David Grau, Ph.D., PE david.grau@asu.edu

G. Edward Gibson Jr, Ph.D., PE GEwardGibsonJr@asu.edu