New Jersey Institute of Technology/Newark College of Engineering and the National Academy of Construction with support from the National Academies of Science, Engineering and Medicine present a symposium to address:

**Introducing and Embedding Safety Culture Concepts in Undergraduate Education**

New Jersey Institute of Technology/Newark College of Engineering
Central King Building - Agile Strategy Lab

**Symposium Agenda**
on Wednesday, November 30, 2022

8:00 to 8:45  Breakfast & Networking

8:45 to 9:00  Moderator: Patrick Natale, P.E., member of NJIT Board of Overseers and member of NAC

Welcome to NJIT: Robert Cohen, Chair NJIT Board of Trustees

9:00 to 9:30  Introducing the Opportunity:

Wayne Crew, NAC President and CEO

1. Safety moment
2. Symposium structure
3. Construction industry safety statistics
4. Critical need to implement safety concepts and safety culture throughout all the construction industry
5. Role/contribution of undergraduate education

9:30 to 10:00  First Keynote Address: An Industry Perspective on the Benefits of a Safety Culture in Academia

- Nick DeNichilo, P.E., President & CEO (retired)
  Mott MacDonald, Vice Chair NJIT Board of Trustees, and member of NAC

- NJ Senator Paul Sarlo, P.E., President and COO JM Sanzari Construction

1. Benefits of a Safety Culture
2. Industry’s expectation of recent graduates
10:00 to 10:50  
**Panel 1 – Developing a Company Culture of Safety**

Moderator: *Patrick Natale, P.E.*

*Panelists:*
- James Starace, P.E., Chief Engineer PANYNJ, member NAC
- Kanwer Khan, SVP, EHS&S, Veolia North America - Municipal Water
- Roly Acosta, Esq., President, Northeast Remsco Construction
- Marjorie Perry, Chair, NJIT Board of Overseers - President and Chief Executive Officer, MZM Construction & Management
- Martin Downs, P.E. President, J. Fletcher Creamer & Son, Inc.

Industry representatives describe their culture of safety and what they need and expect of new graduates

10:50 to 11:05  
**Break**

11:05 to 11:25  
**Second Keynote Address: A Dean’s Perspective**

Moshe Kam, PhD, P.E., NJIT Dean Newark College of Engineering

- Understanding of industry needs
- Curriculum and staff constraints
- Ability to meet industry’s requirements

11:25 to 12:15  
**Panel 2 – Including Safety Culture Concepts in Existing and Future Course Structures**

Moderator: *Andrew Christ, P.E.*, NJIT SVP Real Estate Development and Capital Operations

*Panelists:*
- NJIT – Lazar Spasovic, Professor, Civil and Environmental Engineering
- Rutgers – Ali Maher, Director of CAIT and professor of civil and environmental engineering
- Villanova – Frank Falcone, Director, Professional Development & Experiential Education, Civil Engineering
- Columbia – Feniosky Peña-Mora, Director Center for Buildings, Infrastructure and Public Space & Faculty, Civil Engineering
- Oregon State University – John Gambatese, Faculty, Civil and Construction Engineering

Academic representatives describe how they have incorporated and integrated safety concepts into their course material or how they might do so.
12:15 to 1:15  Lunch and NJIT President’s Address
Dr. Teik C. Lim, P.E.
President of NJIT and Distinguished Professor of Mechanical Engineering

1:15 to 2:15  Breakout 1 – Providing Input to Educators
Deb Grubbe, Owner & President, Operations and Safety Solutions, LLC, Past President of American Institute of Chemical Engineers and member of NAC
- Teaching culture vs. procedure
- Providing input to educators
- Leveraging results of this Symposium

2:15 to 2:45  Reports from Breakout 1

2:45 to 3:00  Break

3:00 to 4:00  Breakout 2 – Industry Leaders Engaging with Students and Faculty on Safety
Eric Musselman, Chair of Civil and Environmental Engineering Department, Villanova University
- Ethics and safety nexus
- Culture of zero harm
- Positive intervention actions and reporting

4:00 to 4:30  Reports from Breakout 2

4:30 to 4:50  Open Discussion – Next Steps
Moderator: Wayne Crew, NAC President and CEO
- Publicizing/leveraging the results of this workshop
- Value of this program

4:50 to 5:00  Closing Comments
Nick DeNichilo

5:00 to 6:00  Networking Reception in Eberhardt Hall
Hosted by NJIT