SYMPOSIUM ON BALANCING RESILIENCY, SAFETY AND SUSTAINABILITY

Sponsored by ASTM Committee E60 on Sustainability

October 13, 2017
Sheraton New Orleans
New Orleans, LA, USA

Symposium Chairs: Emily Lorenz
Precast/Prestressed Concrete Institute
Chicago, IL, USA

Walter J. Rossiter Jr.
W.J. Rossiter and Associates
Clarksburg, MD, USA

ABOUT THE SYMPOSIUM
Ultimately, the most-sustainable structures are those that are functional the longest. Buildings designed to withstand man-made or natural disasters will be more durable, send less waste to the landfills, and will be able to operate sooner (if not continually) after the event occurs. This concept—increasing durability, reducing waste, and safeguarding occupants—is fundamental to sustainable design. The symposium provides a forum for contributing to the fundamental understanding of contributions of materials and systems to the resiliency and safety of the built environment and its relationship to sustainability.
FRIDAY, OCTOBER 13, 2017

8:15 AM
**Opening Remarks**
Emily Lorenz, Symposium Co-Chair

8:25 AM
**Welcoming Remarks on Behalf of Committee E60**
Michael Schmeida, E60 CHAIRMAN

**SESSION 1: Examining Resiliency, Safety, and Sustainability**

Session Chair: Emily Lorenz
Pre cast/Prestressed Concrete Institute (PCI)
Chicago, Illinois, USA

8:30 AM
**Defining Resilience**
M. G. VanGeem, Mount Prospect, Illinois, USA

8:55 AM
**Public Infrastructure Governance in Building Resiliency Through WK53277**
M. Rowland, Henry George School of Social Science, New York, New York, USA

9:20 AM
**Personal and Property Safety Can Be Strengthened Through the Development of a Combustible Dust Maintenance Program**
M. A. Drain, Fibre Box Association, Itasca, Illinois, USA

9:45 AM
BREAK

**SESSION 2: Implementing Resiliency, Safety, and Sustainability**

Session Chair: Walter Rossiter
RCI, Inc.
Raleigh, North Carolina, USA

10:15 AM
**Disaster Resilience Implementation Strategies Throughout the United States**
E. Lorenz, Precast/Prestressed Concrete Institute, Chicago, Illinois and the Disaster Resilience Working Group of the Structural Engineering Institute’s Sustainability Committee; and E. C. Fischer, S. G. Carter, C. Horiuchi, C. Kloos, and M. Stringer, the Disaster Resilience Working Group of the Structural Engineering Institute’s Sustainability Committee
10:40 AM
Community Resilience Panel: Buildings & Facilities Committee – Community Preparedness Evaluations
D. R. Scott, PCS Structural Solutions, Tacoma, Washington, USA; and R. Minnery, Washington, District of Columbia, USA

11:05 AM
A Delicate Balancing Act: Meeting Sustainability Goals without Sacrificing Fire Safety
T. Earl, GBH International, Portage, Michigan, USA

11:30 AM LUNCH (on your own)

SESSION 3: Material Considerations Related To Resiliency, Safety, and Sustainability

Session Chair: Tim Earl
GBH International
Portage, Michigan, USA

1:00 PM
Gypsum Panel Design Considerations & Responses for Resiliency, Safety & Sustainability

1:25 PM
Stainless Steel: A Resilient, Safe and Sustainable Choice
C. Houska, TMR Consulting, Pittsburgh, Pennsylvania, USA; N. Kinsman, International Molybdenum Association, London, UK; M. Mistry, Nickel Institute, Brussels, Belgium; and J. Green, Specialty Steel Industry of North America, Washington, District of Columbia, USA

1:50 PM
Selecting Gypsum Panel Products with Resiliency in Mind
M. Schmeida and S. Hines, Gypsum Association, Hyattsville, Maryland, USA

2:15 PM
Material & System Contributions to the Sustainability of the Built Environment
J. Cooper, Native Energy, Burlington, Vermont, USA; C. Claytor and J. Michel, Copper Development Association, New York, New York, USA; and A. Vaccari, International Copper Association, New York, New York, USA

2:40 PM
Closing Remarks
Walter Rossiter, Symposium Co-Chair

2:45 PM SYMPOSIUM ADJOURNS