

KEY:



Structures Congress 2023 Technical Sessions Program at a Glance
 New Orleans, Louisiana | May 3–6, 2023 | www.structurescongress.org



- BLAST**
- BRIDGES**
- BUILDINGS**
- BUSINESS/ PROFESSIONAL PRACTICE**
- CAREER/ LEADERSHIP**
- CLIMATE CHANGE/ SUSTAINABILITY/ LIFE CYCLE ASSESSMENT**
- CODES AND STANDARDS**
- EDUCATION**
- FORENSIC**
- NATURAL DISASTERS**
- NON-BUILDING/ SPECIAL STRUCTURES**
- NON-STRUCTURAL**
- RESEARCH**
- TECHNOLOGY**

THURSDAY, MAY 4, 2023

| | | | | | | | | | |
|-----------------------|---|---|--|---|--|---|--|--|---|
| 9:30–10:30 AM | From Performance Based Design to Functional Recovery: Research to Practice 2023 | Tall Wood Buildings: Challenges and Opportunities 2031 | Reducing Embodied Carbon in Structures LCA1 | New Zealand International Convention Centre Fire Investigation Case Study 4093 | Has Anybody Checked Your Work? Quality Reviews in Structural Design 2020 | Navigating the forthcoming 16th Edition of the Steel Construction Manual 2060 | Bridge Case Studies BR3 | Advancing Flood-Resilient Standards, Design and Construction 2042 | Creativity and Safety in Expressive Structural Designs 2058 |
| 11:00–12:30 PM | Meet the Future of Structural Engineering 2010 | Advancing structural fire engineering with professional committees 2013 | Incorporating Sea Level Rise into Flood Design -Workshop Part 1 2043a | Risk Management and Design Criteria Development 4057 | Contract Basics for Engineers 2032 | ASCE 7 and Climate Change 2009 | Constructability of Steel Bridges 4066 | Wildfires and Structures 2045 | Recent Research on the Performance of Concrete Structures and Materials R1 |
| 1:30–3:00 PM | Advances in Intelligent Structural Sensing and Control 4018 | Innovations in Tall Building Design 2053 | Incorporating Sea Level Rise into Flood Design -Workshop Part 2 2043B | Important Lessons Learned from CROSS-US and Forensics Engineering Division 2037 | Sharing the Story of a Real Claim: Full Disclosure 2011 | ASCE 7-16 and ASCE 7-22 Seismic: Ask the Experts 2006 | Inspection and Assessment of Bridges BR5 | Anchorage Design and Application in Nonbuilding Industrial Facilities 4037 | Graduate Structural Engineering for the Infrastructure Restoration Era 4043 |
| 3:30–5:00 PM | Disaster-Resilient Housing From Policy to Practice 2000 (Special Session) | | The NOPSI Hotel, New Orleans: Collaboration and Coordination in the Adaptive Reuse of an Historically Significant Structure 2044 (Special Session) | | View full program at structurescongress.org | | | | |



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BLAST



BRIDGES



BUILDINGS



BUSINESS/
PROFESSIONAL
PRACTICE



CAREER/LEADERSHIP



CLIMATE CHANGE/
SUSTAINABILITY/LIFE
CYCLE ASSESSMENT



CODES AND
STANDARDS



EDUCATION



FORENSIC



NATURAL
DISASTERS



NON-BUILDING/
SPECIAL
STRUCTURES



NON-STRUCTURAL



RESEARCH



TECHNOLOGY

FRIDAY, MAY 5, 2023

| | | | | | | | | | |
|---------------|--|--|---|---|---|--|--|--|---|
| 9:30–10:30 AM | Precast Concrete and Disproportionate Collapse 4005 | A Story of Resilience: The New Orleans Superdome 2063 | Climate change: the role of codes, standards, and performance-based design 2014 | Sustainable Structures - Examples of Climate Adaptation and Mitigation 4122 | The duty to warn 2026 | 50 Years of ATC: Impacts on ASCE Standards and Engineering Practice 2039 | Bridge Analysis BR4 | New design standards for structural stainless steel 2041 | Resilience and Mass Timber R2 |
| | Performance-Based Wind Engineering in the Design of Structures 4113 | The Use of Cold-Formed Steel in Buildings – A fundamental design guide 2012 | Infrastructure and Climate Resilience – Current Status and Progress-Workshop Part 1 2040A | Latest Advances in Explosives Safety Design 2005 | Technical Advances for Monitoring Infrastructure T1 | The Structural Engineering of the Allegiant Stadium in Las Vegas 2051 | Seismic Performance and Response of Bridges BR6 | Nonbuilding Structures Case Studies and Construction Issues NBS1 | Structural Engineering Ed Reform Planning to Action. CROSEE-2 to CROSEE-IT 2022 |
| | SEI/IStructE Workshop on Conceptual Design of Buildings and Bridges 4041 | Performance-Based Wind Design – Lessons Learned and Future Directions 2048 | Infrastructure and Climate Resilience – Current Status and Progress-Workshop Part 2 2040B | Can protective design be green? 4084 | Structural Engineering Practice Through the Lens of Client Value 2054 | Major Changes in Masonry Structural Standards: TMS 402/602-22 2018 | Technological Advances in Bridge Assessment and Inspection BR7 | Nonstructural Component Seismic Issues NS1 | Research Advancements in Innovative Steel-Mass Timber Structural Systems 4046 |
| | Challenges in Changing Job Market 2061 (Special Session) | Design of Structures to Protect SE Louisiana from Sea Level and Storm Surge 2064 (Special Session) | View full program at structurescongress.org | | | | | | |

SATURDAY, MAY 6, 2023

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|---------------|---|---|--|---|---|--|--|--|---|
| 9:00–10:00 AM | Leadership Skills for Structural Engineers: Tackling Tough Conversations 2057 | Above the Treeline: Engineering Mass Timber for the Masses B2 | How Embodied Carbon Policies Are Changing Structural Engineering Practice 2029 | Immerse Yourself in Forensic Expert Investigations and Testimony 2049 | 3D Printing: an Enabling Technology for New Structures & Architectures 2059 | ASCE 7-16 and ASCE 7-22 Snow: Ask the Experts 2008 | Soil-Structure Interaction for Bridges and Tunnels BR1 | Case Studies in Emergency Response Engineering 2019 | Steel Research and Computational Modeling R3 |
| | Decarbonizing concrete construction 2062 | New Lives for Existing Structures B1 | ASCE 7-16 and ASCE 7-22 Wind: Ask the Experts 2007 | Innovative Blast Investigations, Strategies and Interventions BL1 | Should I Stay or Should I Go Now - Finding Happiness at Your Firm 2001 | ASCE 72 - Athletic Field Lighting Poles 2024 | Rating and Evaluation of Bridges BR2 | Functional Recovery Frameworks and Tools to Enhance Lifeline Infrastructure 2047 | Structural Thermal Bridging: Problem Identification and Mitigation 4137 |