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# Preliminary Session Request Form

If this session has an international theme or is co-sponsored by an international organization, please provide some detail here:

**THIS FORM SHOULD BE SUBMITTED TO ACI AT LEAST 12 MONTHS BEFORE THE PLANNED CONVENTION**

**Which type of committee will be sponsoring the session**

- Student/Young Professional Session (SYPAC)
- Educational Session (EAC)
- Technical Session (TAC)
- Construction Session (CLC)
- ACI Foundation (ACIFND)
- International Activities Committee (IAC)

Person submitting request:

Name: Claude Goguen  
Customer/Member No.: 1218335

Sponsoring Committee 1: E702 - Designing Concrete Structures ▼

Sponsoring Committee 2: 130 - Sustainability of Concrete ▼

Sponsoring Committee 3: None ▼

Is this session jointly sponsored by an international organization?:

- Yes
- No

If yes, please identify the international organization:

**TOP**

Convention: 10/25/2020 - Raleigh, NC ▼

Number of Sessions: 1 ▼

Days and times requested are not guaranteed. The final schedule will be determined by the Convention Committee.

Day and Time Preference: Monday or Tuesday mid morning

Session Moderator:  
 Same as person submitting

Name: Claude Goguen  
Customer/Member No.: 1218335

Title of Session: How Resiliency Impacts Concrete Des

Objective/Synopsis of session: (Include who should attend and what are the learner outcomes; 100 words or less)

With climate change, it's becoming increasingly challenging to anticipate every type and frequency of disruptive threats. Therefore, concrete structures need to be designed with resiliency in mind in order to respond, absorb, and adapt to a variety of disruptive event in order to maintain functionality during and after the event. During this session, we will explore topics related to designing resilient concrete structures. We will discuss potential threats, and the critical factors of resilient infrastructure. We will look at current resilience-based performance standards and resources. This session contain valuable information for designers, manufacturers, educators and specifiers.

**Please provide at least 4 learning objectives for this session as you would like them to appear in the program book:**

Please note: for continuity purposes, learning objectives are subjected to editing by staff. Learning objectives are to be measurable skills that the attendee will gain after attending the session.

Learning Objective #1

Attendees will be able to describe the critical factors of resilient infrastructure and how they relate to concrete structures.

Learning Objective #2

Attendees will be able to identify performance-based design and assessment frameworks that can help pinpoint critical damage and help predict the impact of disasters before, during, and after the event.

Learning Objective #3

Attendees will be able to explain the development of resilience-based performance standards and current resources to help assess current infrastructure resilience and design sustainable systems that protect our communities.

Learning Objective #4

Attendees will be able to describe specific resiliency based design resources for seismic and flooding events.

Keywords: Please provide three to five keywords.

Resiliency Design, Seismic

Probable topics and potential speakers:

Current Resiliency Based Initiatives and Impacts on Concrete Design  
Designing & Building Water & Wastewater Infrastructure in Seismic Regions  
Resiliency Based Performance Standards & Resources  
Case studies from Houston, Puerto Rico and/or California

Will you select speakers?:  Yes  No

Will you have a call for papers in Concrete International?:

Yes  No ([Call for Papers](#))

Has the moderator taken the Session Moderator Training?:

Yes  No

Does the Committee plan to publish an SP from this Session? If so, please click on this link and fill in the form completely [Preliminary Request Form](#):

Yes  No

If you want a print out of your submittal, please print before submitting.



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