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 Please enroll me as an ATC Subscriber (\$35/year, Domestic; \$50/year, International) \$ _____
 Symposium Registration Fee: \$225 per registrant (\$200 for ATC Subscribers) \$ _____
 Late Registration Fee: add \$50 per registrant (if postmarked or faxed after October 15, 2009) \$ _____
 TOTAL ENCLOSED: \$ _____

Payment may be made by check or credit card (MasterCard or VISA). If paying by credit card, please provide the following information: MasterCard VISA # _____ Exp: _____ / _____

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 Applied Technology Council, 201 Redwood Shores Pkwy, Suite 240, Redwood City, California 94065 FAX 650/593-2320

Hurricane Hugo 20th Anniversary Symposium on Building Safer Communities –Improving Disaster Resilience

Charleston, South Carolina • October 22 – 23, 2009

CALL FOR ABSTRACTS AND REGISTRATION INFORMATION

The Purpose of the Symposium is to commemorate the 20th Anniversary of Hurricane Hugo by soliciting and presenting new information on (1) significant changes in coastal construction practices since Hurricane Hugo; (2) state of the practice ideas and research results that will benefit both design professionals and builders/developers in improving building safety and community resilience in hurricanes; and (3) issues affecting building safety and damage reduction that still need to be resolved.

Symposium Program. The Symposium program has been designed for structural engineers, architects, building officials, product manufacturers, contractors, developers, and researchers concerned with improving coastal construction practices in hurricane-prone areas. Technical sessions are planned on the following topics:

- ◆ The possible consequences of constructing buildings at the coast;
- ◆ Current tools of the design, planning and building professions for successful coastal construction;
- ◆ Current status of coastal disaster loss reduction capabilities and approaches;
- ◆ Needed research and tools for improving disaster resilience.

Symposium Dates and Location.

- ◆ October 22 – 23, 2009
- ◆ Embassy Suites Hotel Airport/Convention Center
5055 International Boulevard
North Charleston, SC 29418
Phone: 843-747-1882

Symposium Proceedings. Papers presented at the Symposium will be published in the Symposium Proceedings, which will be distributed on CD-ROM at or shortly after the Symposium.

Abstract Submittal. Persons interested in presenting a paper on one of the specified topics (see Preliminary Program, this announcement) should submit a one-page abstract not to exceed 200 words no later than April 30, 2009, to ATC* (e-mail, atc@ATCouncil.org; fax, 650-593-2320). Selected authors will be notified by June 18, 2009. Final papers (12 pages in length, maximum) will be due October 5, 2009.

Symposium Registration. The Symposium registration fee is \$225 (\$200 for ATC Subscribers with verification of current subscription) and includes Symposium Program, Proceedings, luncheons, reception, and coffee breaks. A late fee of \$50 will be applied to registrations postmarked or submitted online after Thursday, October 15, 2009. Persons interested in registering for the Symposium can do so by completing and submitting the attached Symposium Registration Form to ATC*, or registering online at www.ATCouncil.org.

Steering Committee. W. Coulbourne (Chair), ATC; R. Bacon, South Carolina Sea Grant; S. Eslinger, NOAA Coastal Services Center; B. Hadnagy, ATC; T. Mays, Citadel; S. Rogers, North Carolina Sea Grant; C. Rojahn, ATC; S. Schiff, Clemson University; T. Smith, TLSmith Consulting

Exhibits and Sponsorships are available. See Symposium website at www.ATCouncil.org for additional information.

*Applied Technology Council, 201 Redwood Shores Pkwy, Suite 240, Redwood City, California 94065 (Phone: 650-595-1542)

Hotel Reservations. A block of guest rooms is being held at the Embassy Suites Hotel Airport/Convention Center at the rate of \$159 for a single or double occupancy room. The room block cut-off date is September 21, 2009. For room reservations, contact the Embassy Suites Hotel directly (1-800-EMBASSY or by calling the hotel directly at (1-843-747-1882) and specify the "ATC" room block.

PRELIMINARY SYMPOSIUM PROGRAM

Thursday, October 22, 2009

- 8:00 – 8:30 a.m. Registration
- 8:30 – 9:00 a.m. Opening Remarks and Welcome; William Coulbourne, ATC, and Joseph Riley, Mayor of Charleston
- 9:00 – 10:00 a.m. Opening Plenary: Could Hugo Happen Again? Margaret Davidson, Executive Director, NOAA Coastal Services Center
- 10:00 – 10:15 a.m. Break
- 10:15 – 11:45 a.m. Coastal Risks and Impacts
Invited papers and panel discussion on: weather modeling and forecasting, wave and flood surge effects, and high wind effects.
- 11:45 – 1:00 p.m. Lunch, Invited Speaker Peter Sparks, Prof. (retired), Clemson University
- 1:00 – 2:30 p.m. Tools of the Trade for Creating Disaster Resilience - Session I

Papers selected from submitted abstracts on: wind engineering and computer modeling, available software and hardware from government-industry partnerships.
- 2:30 – 2:45 p.m. Break
- 2:45 – 4:15 p.m. Tools of the Trade for Creating Disaster Resilience - Session II

Papers selected from submitted abstracts on: product manufacturers (roofing, siding, glazing, and other components); architectural and structural design tools and issues, insurance tools; construction tools.

Friday, October 23, 2009

- 8:30 – 10:00 a.m. Hurricane Damage Reduction – Are We Getting Better?

Papers selected from submitted abstracts on: requirements of current Building Codes; implications from recent FEMA Mitigation Assessment Team (MAT) studies; other studies.

- 10:00 – 10:15 a.m. Break
- 10:15 – 11:45 a.m. Improving Resilience
Invited papers and panel discussion on: The roles of government, insurance, and design professionals.
- 11:45 – 1:00 p.m. Lunch, Invited Speaker Todd Davison, Director, Gulf Coast Services Center
- 1:00 – 2:30 p.m. Tool Development - What's on the Horizon for Improving Resilience

Papers selected from submitted abstracts on: Pending provision changes in ASCE 7-10 (Standard for *Minimum Design Loads for Buildings and Other Structures*), marketplace gaps that could be filled by manufacturers; insurance or architecture tools that could improve resilience.
- 2:30 -2:45 p.m. Break
- 2:45 – 4:00 p.m. Research Ongoing and Research that's Needed – A Panel Discussion.
- 4:00 -5:00 p.m. Closing Plenary

Invited Presentation: South Carolina After the Next Hurricane – Improving our Building and Infrastructure Performance; Tim Reinhold, Vice President and Director of Engineering, Institute for Business and Home Safety (IBHS).

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HURRICANE HUGO 20TH ANNIVERSARY SYMPOSIUM ON BUILDING SAFER COMMUNITIES – IMPROVING DISASTER RESILIENCE



Sponsored by the
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Charleston, South Carolina

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