



CIB NEWS ARTICLE

International Council for Research and Innovation
in Building and Construction

Providing a global network for international exchange and cooperation in research and innovation in building and construction, in support of an improved building process and of improved performance of the built environment.

February 2010

CIB Student Chapters

CALL FOR ABSTRACTS

1st Americas Trans-Institutional Student Summit (ATISS) on Integrated Design and Delivery Solutions (IDDS) and the Built and Human Environment (BuHu)

College Station, Texas on 14th and 15th October 2010

The 1st Americas Trans-Institutional Student Summit (ATISS) on Integrated Design and Delivery Solutions (IDDS) and the Built and Human Environment (BuHu) 2010 is to be held in College Station, Texas on 14th and 15th October 2010.

The ATISS offers the opportunity for broad-based and wide-ranging discussions by various disciplines focused on Integrated Design and Delivery Solutions and the BuHu. Student Presentation and a Student Poster Competition will be held parallel to the annual conference. The event will be an access point to the Americas research community; open to the rest of the world and a forum for achieving a meaningful exchange between the entire spectrum of building and construction related to integrated design solutions for the BuHu.

This student summit, with the enthusiasm and participation of CIB student chapters, CIB members, universities, faculties, graduate and post-graduate students, is organized to attract research presentations from all around the world and specifically from the Americas. Summit presentations will be sought from three levels:

- Faculty and Post Doctoral;
- PhD students and candidates; and
- Master Students. There are no limits in presentations from a university.

Submission of Abstracts

Abstracts are invited for possible presentations at the student summit. Abstracts of no more than 2,000 characters should be submitted to Dr. Jose L. Fernandez-Solis via the summit proceedings website.

Abstracts for the proceedings of the summit should be submitted to the organizers not later than February 28th 2010. Details and instructions are available at the summit proceedings website: <https://cmt.research.microsoft.com/GTISS2010/Default.aspx>

Guidelines for submission and the overall timeline for the summit are available at <http://pgr-cib.tamu.edu>.

Scope and Themes

The summit will focus on aspects of IDDS - Integrated Design and Delivery Solutions.

IDDS is one of four CIB Priority Themes and is the first of those themes on which ATISS will focus in turn over the next four years.

Most relevant aspects of IDDS on which abstracts are especially invited, include the following:

Competence requirements for IDDS: need for development of next generation teaching/training tools to support holistic understanding and systemic design of buildings; the role of knowledge within and across people, processes, and technologies; unified design will be made possible through a shift from multidisciplinary to pan-disciplinary teams.

Utilization of Building Information Models: BIMs as vehicles for simulation and virtual prototyping; BIM for



supporting safety process on construction sites; use of BIM for location tracking of construction components; use of BIM to generate design alternatives and construction process sets.

Integrated Processes: knowledge sharing processes to supported integrated design and construction; identification and classification of challenges in integrated design; need to share processes across disciplines; using BIMs to structure and manage tasks on construction projects.

Sustainability: improving building design through parallel building and environmental costing; human thermal responses in energy-efficient buildings; environmental assessment of buildings; Beyond Building Information Models: connecting structural buildings models to different construction classification systems; optimization of construction planning through virtual prototyping and BIMs; integrated design systems for homes; BIM as a service offering; IT-based innovation in construction; construction automation for modular assembly.

Key Dates

Deadline to submit abstracts	March 20, 2010
Notification of acceptance	March 15, 2010
Deadline to submit full papers	May 15, 2010
Reviewers comments are sent back to the authors	June 15, 2010
Deadline to address reviewers' comments and to submit revised papers	July 15, 2010
Final notification of acceptance of full papers	August 15, 2010
Summit is being held	October 14-15, 2010

Summit Organizers

The two main organisers of the summit are:

- Texas A&M Post Graduate Built Environment Research (CIB) Chapter (pgr-cib)
- College of Architecture, Texas A&M University

The pgr-cib at the Texas A&M University was the winner of the CIB Sebestyen Future Leaders Award in 2009, with a proposal for this Trans-Institutional Student Summit (see [here](#)).

Additional Information

For enquiries concerning abstracts and papers, please write to the Chairs (jsolis@archmail.tamu.edu or Slavy@archmail.tamu.edu).

For enquiries concerning the student summit, please write to PGR-CIB cib@cib.tamu.edu.

Website: <http://pgr-cib.tamu.edu>.



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