

# COMPETENCE CENTRE

BUILDING CONSTRUCTION DESIGN FACILITY } INFORMATION MODELING

## SmartGeometry 2010 Conference: An exceptional event focusing on Innovative Architectural and Engineering Design

**B**entley sponsored 'SmartGeometry 2010 Conference' from March 19 to 24, 2010 in Barcelona, Spain. The global event focused on innovative designs for the building industry. Hosted by SmartGeometry Group, this event focused on innovative design tools, technologies, and methodologies

that allow and encourage new forms of architectural and structural expression- forms that are radically changing the built environment. The SmartGeometry 2010 theme 'Working Prototypes' focused on functioning prototypes developed to prove and test concept and design.

Separately, the 2010 SmartGeometry Workshop (March 19 to 22) was organized around Clusters. They comprised of people, knowledge, tools, materials and machines to facilitate the development and testing of working prototypes. The Clusters provided a focus for workshop participants working together closely in design resolution, exchange of ideas, processes and techniques. Each Cluster, comprising of 8-16 people, was championed by at least two tutors who were pioneers in their field.

The Shop Talk Day on March 23, 2010 provided an opportunity for informal discussions among leading practitioners and emerging talents in digital design. Tutors and participants in the companion event, SmartGeometry 2010 presented and discussed their advanced design work done from March 19 to 22, 2010.

The Symposium Day on March 24, 2010 was an enlightening forum featuring presentations by preeminent authorities on the theory and practice of computational and parametric design approaches. The Keynote Speakers were the renowned Hanif Kara, a design engineer and principal of London-based innovative engineering firm Adams Kara Taylor (AKT), and Mary Burry, director of RMIT's state-of-the-art Spatial Information Architecture Laboratory (SIAL) and the founding Director of RMIT University's new research initiative, the Design Institute. The Conference ended with a social gathering celebrating the innovation, creativity, and leadership of the generative design community. *RnF*

## Autodesk publishes framework to help AEC Professionals to implement BIM Process

**A**utodesk, Inc. (NASDAQ: ADSK), a world leader in 2D and 3D design and engineering software, announced the availability of its Autodesk BIM (Building Information Modeling) Deployment Plan: A Practical Framework for Implementing BIM, a new web-accessible resource for building industry professionals, on March 17, 2010. Aimed at all AEC stakeholders, including owners, architects, engineers and contractors, the free guide includes support materials and a framework based on real-world applications of BIM. Tools offered include templates to help manage multi-discipline communications within a BIM project, as well as suggestions for the roles and responsibilities of each party in a BIM process-based project, best business process examples and suggested software to support an effective BIM environment.

As the building industry continues to evolve, technologies such as visualization, simulation and analysis are fundamentally changing how projects get delivered. Now more than ever, collaboration and transparency are essential and effective for anticipating and reducing problems related to cost overruns, schedule, scope and quality. Autodesk has been at the forefront of BIM technology adoption including the creation of a portfolio of software products that facilitate a BIM solution.

"New technology is creating enormous opportunities for the building industry to improve processes and outcomes, and many organizations still need guidance on how to share information as well as streamline project communications," said Phil Bernstein, FAIA, Autodesk vice president of building industry strategy & relations. "The Autodesk BIM Deployment Plan was designed to help companies navigate the entire process via one collaborative framework and subsequently deliver projects faster, more economically and with reduced environmental impact."

"As strong advocates of BIM, we can develop building design strategies that are extremely well integrated and coordinated, substantially increasing our efficiency and lessening the building time - all of which allow us more time to create inspiring designs for our clients," said Dick Thomas, vice president at SHP and executive director of 2enCompass. "Now taking this a step farther, The Autodesk BIM Deployment Plan has helped us further advance BIM project implementation by better documenting stakeholder roles and responsibilities and most importantly, helping us deliver the right information from the project model to the right people at the right time to drive our project forward."

"Communication and collaboration amongst strategic team players is vital to the success of our projects," said Mark Konchar, vice president at Balfour Beatty Construction, Washington division. "The BIM Deployment Plan is helping us develop a BIM implementation process best suited for the technology needs of the project and tailored to the abilities of the players involved. It is also helpful in defining clear roles and responsibilities for the execution of workflows on our jobs." *RnF*



Panel Discussion

