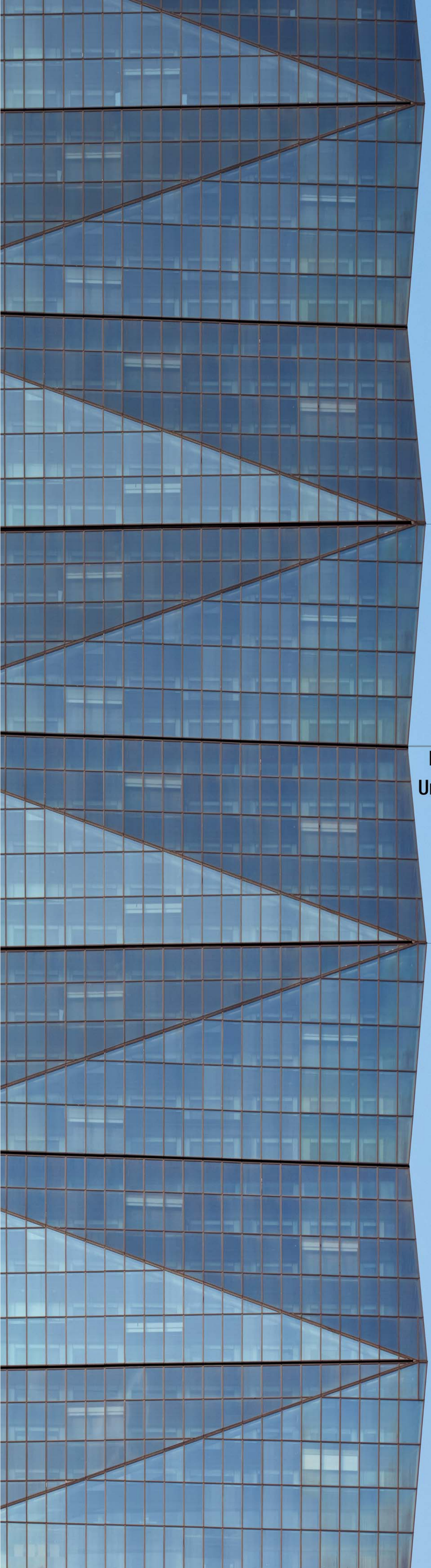

A new architecture created by structure

LECTURE & WORKSHOP

Mark Sarkisian, PE, SE, LEED

Partner, Skidmore, Owings & Merrill LLP

WHEN

Friday 6 May, 2016

WHERE

Escuela Politécnica Superior
Universidad CEU San Pablo
Urbanización Montepríncipe
28668 Boadilla del Monte
Madrid

SCHEDULE

10:00 h- 12:00 h
Workshop
Structures Laboratory
Mark Sarkisian,
Skidmore, Owings & Merrill LLP

12:00 h- 12:30 h
Coffee Break

12:30 h- 14:00 h
Lecture
Room Polivalente 1
Mark Sarkisian
Skidmore, Owings & Merrill LLP

CONTENT OF LECTURE

The world is facing increasingly critical challenges of climate change and the depletion of natural resources as a result of unsustainable population growth and industrialization. Simplicity, structural clarity, and sustainability not only define a visual quality for buildings, but also form the guiding principles for a new architecture that includes an integrated,holistic approach to design. It is the development of these three principles that leads to responsible design and construction the can impact climate change and reduce demands on resources.

The fundamentals of building design, particularly those related to structures that define architecture, are based on an approach that considers science, application of science (engineering), productive use of space, conservation of natural resources, and long-term value. Sustainable architecture is founded in engineering concepts that are innovative whether the structure is implicit in the architecture or explicitly expressed.

Innovative concept development of structures is the most important opportunity to influence architecture. It is in this early stage of design where principles of engineering can be freely applied and where the greatest impact on simplicity, structural clarity, and sustainability can be realized.

MARK SARKISIAN

Mark Sarkisian, PE, SE, LEED, is a Partner of Structural and Seismic Engineering at Skidmore, Owings & Merrill LLP in San Francisco, California. He received his BS Degree in Civil Engineering from University of Connecticut where he is a Fellow of the Academy of Distinguished Engineers and his MS Degree in Structural Engineering from Lehigh University. He also received an honorary Sc.D degree from Clarkson University. His career has focused on developing innovative structural engineering solutions for over 100 major building projects around the world, including some of the worlds tallest. Mark holds 14 U.S. and international patents for high-performance seismic structural mechanisms and environmentally responsible structural systems. He teaches studio design courses at Stanford University, UC Berkeley, Cal Poly, California College of the Arts, North Carolina State University, Northeastern University, and the Pratt Institute and has the written the book entitled Design Tall Buildings Structure as Architecture with the second edition just released by Routledge -Taylor & Francis.

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