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American Society of Civil Engineers



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107th Annual BSCES Student Night Two Towers, One Structure

Patrick Ragan, S.E.
Associate, WSP

Thursday, April 4, 2019

Northeastern University

Raytheon Amphitheater, 120 Forsyth St, Boston, MA 02115

5:30 PM Social/Registration; 6:30 PM Dinner; 7:30 PM Presentation



The Hanking Center in Shenzhen is China's tallest steel-framed structure, rising 70 stories and 1140 feet, with over 1,000,000 square feet of office space above six levels of retail. Architects at Morphosis conceived the building as two towers separated by narrow, 35-foot long sky bridges. The primary tower houses a wide-open office space with views in all four directions, while the elevators and restrooms are located in a separate service tower. The resulting challenge for engineers at WSP was to structurally link the two towers, taking advantage of their larger combined footprint to resist overturning forces, without compromising the visual separation that is so critical to the architectural form.

Registration Deadline: Sunday, March 31, 2019

\$12 Student Members; \$12 Senior Members (65+)

\$28 BSCES Members & Public Sector Non-Members

\$25 Public Sector Members; \$35 Non-Members

Information/Registration:

Register to attend this meeting and pay by credit card online at bit.ly/2019StudentNight. To register online for an event at the BSCES member rate you must login using your BSCES assigned username and password. If you do not know your BSCES member login information call 617/227-5551. You can also register for this event by mail or email. To do so, download and complete a [BSCES Event Registration Form](#) and follow the submission instructions. Cancellations received after March 31, 2019 and no-shows will be billed.



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107th Annual BSCES Student Night

Thursday, April 4th, 2019

Raytheon Amphitheater, 120 Forsyth St, Boston, MA 02115

5:30 PM – 9:00 PM

Raytheon Amphitheater is located in Egan Research Center (marked in red), off Forsyth St. Northeastern is accessible via the Green and Orange MBTA lines. Along the Green line, alight at the Northeastern stop (the first above ground stop if traveling from downtown Boston, marked in green) and walk along Forsyth St past the law school to Egan Research Center on your left. If taking the Orange line, alight at Ruggles Station (marked in orange), turn left as you exit the turnstiles, exit the station, and Egan Research Center will be immediately to your right. Commuter rail trains connect to the Orange line at Back Bay and North Stations. It is recommended to take public transportation to Northeastern, but parking is available as well at Renaissance Parking Garage at 835 Columbus Ave (marked in blue). From the garage, walk through Ruggles Station to Forsyth St, and Egan will be on your right as you exit the station.



Sponsored by the BSCES Student Affairs Committee,
Northeastern ASCE Student Chapter, and
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Engineering of Structures
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