



INTERNATIONAL LUNCH

SUNDAY, MARCH 29, 2026
11:30 AM – 1:30 PM
\$50 USD PER PERSON

Application of a Novel Fabrication Method for the Construction of the University Building at Malaga, Colombia: Origami of High-Performance Fiber-Reinforced Concrete (HPFRC) Panels

A novel fabrication method consisting of prefabricated elements is inspired by a high-performance (high-strength/high-ductility) fiber-reinforced concrete (HPFRC). Through the control of the setting behavior and the ability to engineer a concrete that achieves structural response without steel bar reinforcement, it is possible to apply folding to give form to construction elements. The origami of HPFRC was applied to on-site industrial production of thin, lightweight, and geometrically complex, yet architecturally unique, prefabricated panels. Early-age folding of HPFRC becomes highly efficient, allowing for precise deformation and the creation of stiffened structural geometries. This reinforcing bar-free folding approach reduces formwork, enhances automation, decreases material use, and opens new horizons for durable and expressive architectural components.

S P E A K E R S



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The ACI Concrete Convention will take place at the Hyatt Regency O'Hare Chicago from March 29 – April 1, 2026. Visit www.aciconvention.org to register for the International Lunch!