

Tall Buildings in Seismic Zones – Total Design for Performance and Sustainability

Abstract:

Seismic design of tall buildings presents a unique and inspiring challenge. On one hand, buildings must be stiff enough to limit excessive wind-induced vibrations; on the other, greater flexibility reduces seismic demands by attracting less earthquake force. These competing requirements create valuable opportunities for structural and architectural collaboration with the overall aim of reaching the best holistic design.

The lecture will span from the fundamental behaviour of tall buildings, illustrated through recent projects and the key design decisions behind them, to how emerging technologies and design strategies can help advance us toward Net Zero and urban resilience.

Relatore:

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Data, ora e luogo seminario:

30/05/2025, ore 10:30 aula L, Piazzale Tecchio

Link Teams:

https://teams.microsoft.com/l/meetup-join/19%3ameeting_ODI5MjA5ZTkN2YzNi00NzBjLTlmOGltMDgwY2U0Mzg3OWZI%40thead.v2/0?context=%7b%22Tid%22%3a%222f9da0c45fd%22%2c%22Oid%22%3a%22c11b53f3-abc1-4494-ac95-b737494f07b0%22%7d



