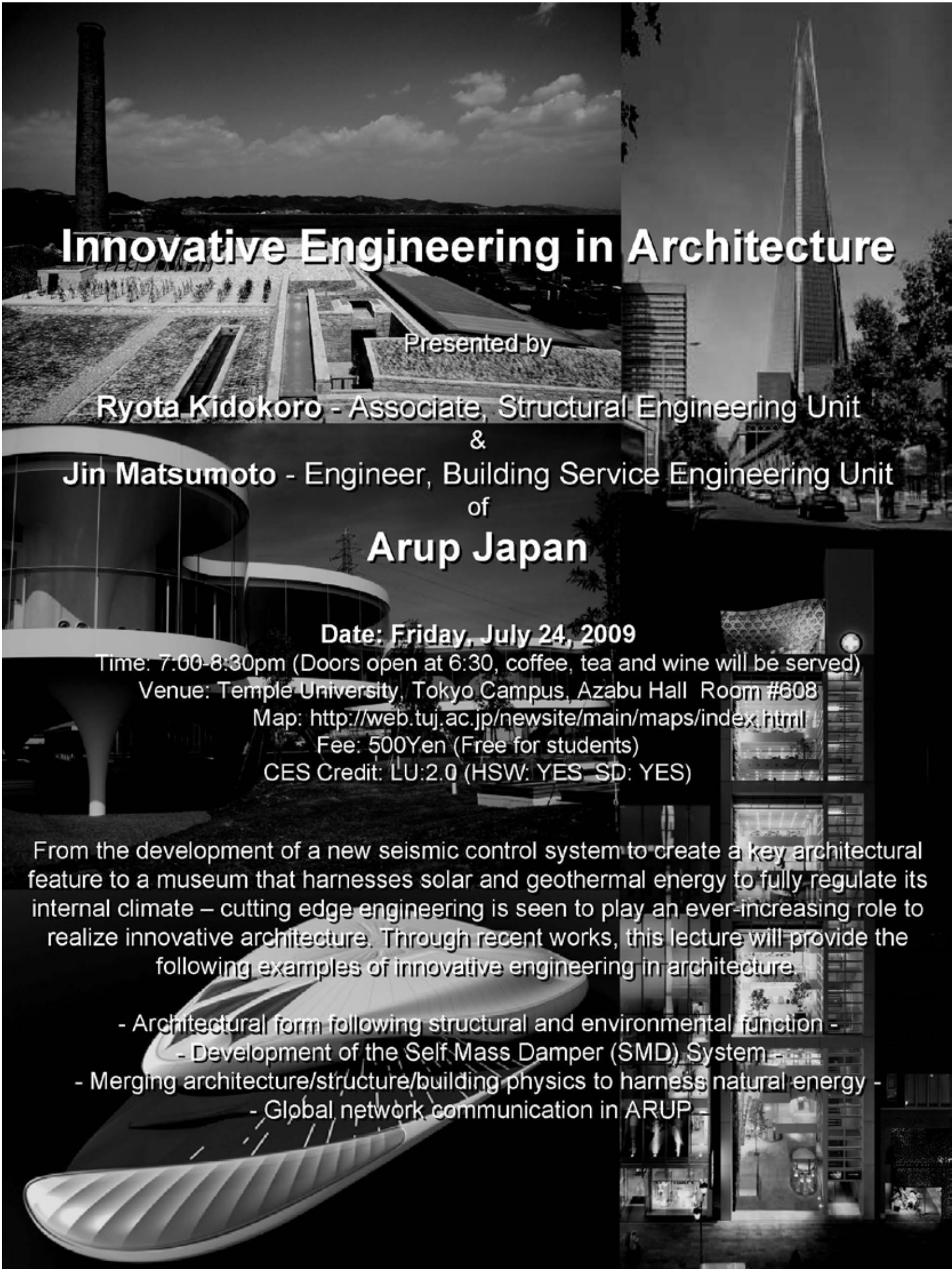

# Innovative Engineering in Architecture

Presented by

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of
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**Date: Friday, July 24, 2009**
Time: 7:00-8:30pm (Doors open at 6:30, coffee, tea and wine will be served)
Venue: Temple University, Tokyo Campus, Azabu Hall Room #608
Map: http://web.tuj.ac.jp/newsite/main/maps/index.html
Fee: 500Yen (Free for students)
CES Credit: LU:2.0 (HSW: YES SD: YES)

From the development of a new seismic control system to create a key architectural feature to a museum that harnesses solar and geothermal energy to fully regulate its internal climate – cutting edge engineering is seen to play an ever-increasing role to realize innovative architecture. Through recent works, this lecture will provide the following examples of innovative engineering in architecture.

- Architectural form following structural and environmental function -
- Development of the Self Mass Damper (SMD) System -
- Merging architecture/structure/building physics to harness natural energy -
- Global network communication in ARUP -