Dissipation

Durability

Energy Efficiency

→ DISSIPATIVE CLADDING
Application of Continuous Cladding as a Passive Energy Dissipation Device

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Japan

- Hot & humid climate
- High seismicity
- Traditionally thin insulation
- Energy mostly from imported fossil fuels

- Structural safety
- Durability concerns
- Sustainable energy use
Prevent cladding damage

Use cladding to dissipate energy

Isolate cladding from structure

Yielding connections

Dissipative panels
- Viscoelastic composite panels
- Continuity protects structure & occupants
- Distributed passive control system
• Design
• ABAQUS modelling
• Shake table experiments

....and more!

Let’s chat!
5:15~7:00PM @ Pasadena, Poster 130