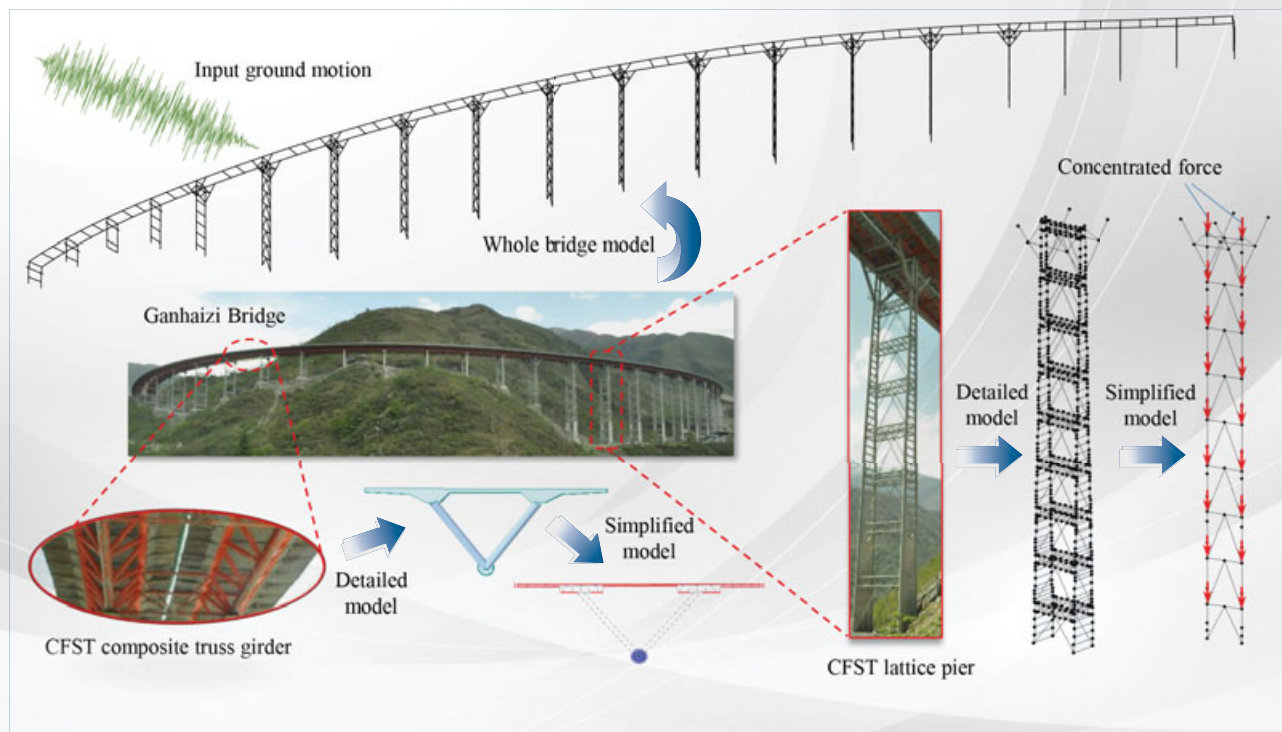


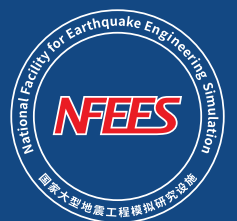
# Earthquake Engineering and Resilience

Editor-in-Chief: Lili Xie



A simplified FEM of an innovative CFST truss lightweight bridge for nonlinear seismic analysis

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- 2) Earthquake hazards and risks;
- 3) Structural response and analysis;
- 4) Seismic specification and design method;
- 5) Earthquake damage and loss;
- 6) Earthquake resilience of cities.

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- Nature of strong ground motion and seismic hazard
- Experimental methods and technology for dynamic testing
- Numerical modeling and simulations
- Damage evolution and failure mechanisms of engineering structures
- Structural health monitoring, damage detection and remaining life prognosis
- Seismic design methods and building design codes
- Seismic risk assessment of structures and infrastructure systems
- Urban and regional resilience assessment
- Earthquake early warning and emergency response

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# Earthquake Engineering and Resilience

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