Artificial Intelligence Applications in Earthquake Engineering

Organizers:

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Call for Papers

Artificial intelligence and data analytics technologies in earthquake engineering enable groundbreaking innovations. This special session aims to discuss the latest developments and applications at the intersection of these two fields.

The following topics, but not limited to, will be covered in the special session:

● AI-based earthquake prediction/analysis models,
● Earthquake data analysis and classification,
● Machine learning applications for structural health monitoring,
● Deep learning methods in ground motion modeling,
● Big data and artificial intelligence in disaster management,
● Structural simulations and decision support systems.

Submissions should clearly highlight the relevant scientific contributions and shed light on the future potential uses of artificial intelligence in earthquake engineering. We invite you to present your original work related to artificial intelligence in earthquake and structural engineering at this special session.