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ADVANCES IN SMART MATERIALS, SYSTEMS AND ANALYSES FOR CIVIL INFRASTRUCTURE

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ABSTRACT

Advancement in the Civil Engineering has always been an important key for public safety and a greater civilization. Up to date, introducing new technologies or making improvements have led to a better society around the globe. Therefore, to further develop and enhance current civil engineering technologies, this mini-symposium aims at providing a forum to discuss recent advances and to address the future opportunities in the area of smart materials and systems as well as analyses for civil infrastructures.

The organizers cordially invite you to submit short abstracts on topics that include, but are not limited to:

• Computational damage mechanics and simulation of civil engineering materials and systems

• Structural health monitoring and non-destructive evaluation techniques

• Wireless sensors, sensor network, and smart materials

• Energy harvesting from ambient sources (vibration, wind, sunlight, temperature gradient, etc.) for civil infrastructure

• IT and civil engineering fusion technologies (robotics, automation, and control for civil applications)

• Smart damping control systems for civil infrastructures

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