A proposal for a special session on

Structural Health Monitoring and Inspection Using Intelligent Algorithms

for

2022 International Conference on Cyber-physical Social Intelligence

To be held Online and Face-2-Face, October 21-24, 2022, Nanjing, China

Session Organizers:

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Session Synopsis:

Structures, in almost all industries such as mechanical engineering, civil engineering, aerospace engineering, are subjected to one or more of the following adverse conditions such as vibration, impact, temperature variation, and corrosion, which cause damages to the structures. It is important to monitor these damages so that early warning can be issued to avoid catastrophic events. In recent years, structural health monitoring and inspection have received increasing attention. In addition, intelligent algorithms, especially the machine learning methods, have been researched to analyze the data of structural health monitoring and inspection. This special session will report the state-of-the-art research in structural health monitoring and inspection using intelligent algorithms.

Expected number of papers: six

Instruction on Submission:

Conference website: https://iccsi2022.agist.org/index.html

Paper submission link: https://easychair.org/my/conference?conf=csi2022

Paper submission due day: May 15, 2022 (may be extended for one or two weeks)

Notification of acceptance: July 1, 2022

Final paper due: August 31, 2022

Accepted papers will be published at IEEE Xplore.