

FT LECTURE SERIES MONSOON 2021 | 01

- Accelerometer
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- ★ Displacement Gauge

Source: ORIGINAL RESEARCH article; Front. Built Environ., 29 March 2019 | <https://doi.org/10.3389/fbuil.2019.00041>

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Role of Big Data Analytics in Structural Health Monitoring



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In recent times, the big data concept has received remarkable attention for tackling complex engineering problems. Among the engineering fields, big data analytics is notably impacting the structural engineering domain in general and structural health monitoring in specific. The key role of big data in this transformation is well-understood. Despite the significance of the big data technologies to process large-scale data on High Performance Computing (HPC) platforms, current Structural Engineering information systems are still lacking in successful implementation of them. The proposed talk strives to review and present the development and key applications of new big data analytics in the domain of Structural Health Monitoring (SHM) and conclude with some case studies.

Link for registration: <https://us06web.zoom.us/meeting/register/tZMtc-hqTwtG9xUXVNIlpzFt1tnVyyurAIZ>