



Structural Health Monitoring of Large Structures Using Acoustic Emission–Case Histories

Guest Editors:

Prof. Dr. Kanji Ono

Prof. Dr. Tomoki Shiotani

Prof. Dr. Martine Wevers

Prof. Dr. Marvin A. Hamstad

Deadline for manuscript
submissions:

closed (30 June 2019)

Message from the Guest Editors

Acoustic emission (AE) techniques have successfully been used for assuring the structural integrity of large rocket motorcases since 1963, and their uses have been expanded to ever larger structures, especially since the structural health monitoring (SHM) of large structures has become the most urgent task for engineering communities globally. In this Special Issue of the Acoustics section of *Applied Sciences*, we seek contributions in the same manner as these exceptions cited here. Here, however, we seek contributions describing case histories of AE applications to large structures that have achieved the goals of SHM and do so by giving adequate technical information supporting the success stories. Types of structures can include aerospace and geological structures, bridges, buildings, factories, maritime facilities, off-shore structures, etc. Experiences with AE monitoring methods designed and proven for large structures, including remote sensing methods, are also welcomed.





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Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
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