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Batteries and Supercapacitors Aging

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Deadline for manuscript submissions:
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Message from the Guest Editors

Electrochemical energy storage is a key element of systems in a wide range of sectors, such as electro-mobility, portable devices, or renewable energy. Energy storage systems (ESS) considered here are batteries, supercapacitors or hybrid components such lithium-ion capacitors. The durability of ESS determines the total cost of ownership and the global impacts (life cycle) on a large portion of these applications and thus their viability. Understanding of ESS aging is a key issue to optimize their design and usage towards their applications. Knowledge of the ESS aging is also essential to improve their dependability (reliability, availability, maintainability and safety).

In this Special Issue, we are looking for contributions helping to understand aging mechanisms, modes and factors, to perform ESS diagnosis and prognosis and innovative solutions to prolong their lifespans.

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Message from the Editor-in-Chief

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