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## Artificial Intelligence and Sensors in Smart Buildings

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### Message from the Guest Editor

In the Big Data era, Artificial Intelligence (AI) techniques and Internet of Things (IoT) systems have increased the capabilities of building systems by allowing them to learn, reason, and adapt to new scenarios. Smart Buildings deal with optimizing buildings' performance by leveraging Information and Communication Technology (ICT).

This field derives into two main currents from a computer science view, which focuses first on the occupant's well-being (e.g., indoor air quality) and second on the operativity of the underlying architecture of the Building Management System (BMS) (e.g., Big Data storage).

The occupants' well-being sub-fields study how users can deal with buildings' diverse energy sources (e.g., solar panels and wind turbines), reduce energy consumption, and enhance services, such as thermal comfort, healthcare, indoor navigation, air quality, illumination, and localization.

On the other hand, BMS's architecture studies focus on optimizing the underlying system that supports the services for occupants.



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## Message from the Editor-in-Chief

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