Special Issue

Design, Simulation and Applications of Phase Change Materials in Thermal Energy Storage Systems

Message from the Guest Editors

Thermal energy storage (TES) systems using PCMs in building and urban systems have become a hot topic within the research community in recent years. When considering energy efficiency and a comfortable indoor thermal environment in a building or urban context, heat storage technology using PCMs can be a good alternative to reduce the maximum heat load of a building, utilize solar heat or unused energy, or mitigate thermal fluctuations in building and urban systems. This Special Issue on “Design, Simulation, and Applications of Phase Change Materials in Thermal Energy Storage Systems” will collect papers exploring scientific advances in phase change material technology focused on building and urban system applications, including research articles on all aspects of basic thermophysical properties, PCM types, PCM incorporation methods, design methods, manufacturing processes, simulation, performance evaluation, application technology of energy systems, and structures in building and urban infrastructure.

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Editor-in-Chief

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