Special Issue

Energy Efficient Sustainable Cooling Systems

Message from the Guest Editor

The cooling systems are mandatory to maintain optimal media temperature and provide an environment for all the equipment to work properly, material kept safely, or humans to feel comfortable. However, several types of cooling technologies that are used to maintain the required cooling effect consume large amounts of energy. Recent trends in cooling systems focus on low energy consumption, long operation life, high reliability, and low environmental impact, as well as superior performance and application flexibility, as opposed to traditional cooling systems. Therefore, innovative cooling systems with efficient energy management are vital for many commonly used systems, including: HVAC applications, internal combustions engines, turbines, compressors, fuel cells, electric vehicles, batteries, lighting, electronics, solar photo-voltaic (PV) and PVT applications, etc. This special issue should include works discussing the above aspects, with some emphasis on cooling systems, as well as proposing methods, techniques, materials and interventions for the improvement of cooling technologies.

Guest Editor

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Editor-in-Chief

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