Special Issue

Clean Combustion and Heat Transfer of Gas Turbine

Message from the Guest Editors

As a kind of rotating machinery, the modern gas turbine has been widely used in the fields of propulsion and the power industry. In recent years, a major focus of research has been the increasing demands for the reduction in CO2 emissions and fuel usage, higher thermal efficiency, and lower combustion emission of gas turbine. Therefore, the developments of clean combustion technologies (such as staged combustion, alternative fuels et al.) and enhanced heat transfer of hot components (such as micro cooling, combined cooling et al.) are considered key. This Special Issue aims to encourage researchers to focus on the clean combustion and heat transfer technologies of gas turbines.

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