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Air-Cooled Fuel Cells

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Deadline for manuscript submissions:
closed (30 November 2021)

Message from the Guest Editors

Dear Colleagues,

The purpose of this Special Issue is to highlight the most insightful and influential investigations and theories, those that will form the foundation of the next year's technological challenges in AC-PEFCs. We would like to include articles that show recent developments in the field of design, modeling and validation, Balance of Plant (BoP) proposals, and practical applications of AC-PEFCs. Topics of interest for publication include but are not limited to:

-air cooled open-cathode polymer electrolyte fuel cells
-BoP configurations
-oxidant/cooling subsystem design
-thermal management
-development of new materials for MEAs, flow channels, electrodes
-experimental studies of AC-PEFCs in low, medium, and high power
-performance improvement of AC-PEFC
-electrochemical impedance spectroscopy
-electrothermal performance mapping
-comparison between liquid cooled and air cooled PEFCs
-AC-PEFCs applications: transport, stationary, and micro-CHP
-AC-PEFC market and industry reviews
-AC-PEFC challenges in the next years

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Message from the Editor-in-Chief

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