



## SPECIAL SESSION II

# Advancements in Electrical Engineering for Nuclear Fusion Applications

ORGANIZED BY

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This proposed special session explores the latest developments and innovations in electrical engineering for the advancement of nuclear fusion. With the growing global interest in sustainable and clean energy solutions, nuclear fusion has emerged as a promising energy source, and the role of electrical engineering is crucial in providing the technological basis for its realization.

The session aims to bring together researchers, engineers, and experts in the field to discuss and share insights on various aspects of electrical engineering crucial to the success of nuclear fusion projects. Topics include, but are not limited to, advances in electrical systems, power electronics, control systems, plasma physics, magnetic systems, and novel materials for fusion reactors.

The session will host the presentation and discussion of original research work or comprehensive reviews. Additionally, participants will have the opportunity to present new challenges or results in ongoing advanced nuclear fusion projects and explore interdisciplinary collaborations. It is foreseen to inspire collaborative efforts and promote knowledge dissemination via, e.g., the submission for journal publication of a selection of presented works.