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Plasma Sensors and Their Applications

Guest Editor:

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Message from the Guest Editor

Plasma Science and Engineering is a multidisciplinary area encompassing some of the most exciting fundamental and applied research themes in today's scientific landscape, with an extraordinarily broad impact in science, technology, and industry.

Measuring the parameters of plasmas, usually termed as plasma diagnostics, is a key challenge in these applications, both for understanding the basic principles and, in many cases, for the optimization and control of processes. There are many different measurement and diagnostics systems to detect plasma parameters in magnetic confinement fusion devices, such as induction coils, CCD, laser-aided devices, spectroscopy, and microwaves, all of which are used for machine operation and physics analysis.

Plasma diagnostics is based on a wide variety of characteristic plasma phenomena and, although most of the techniques used are already well established, it remains a highly challenging and fascinating discipline.

This Special Issue will cover the methods, instruments, and experimental techniques used to measure the properties of plasma.



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Special Issue



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Message from the Editor-in-Chief

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