

COMMENTS



In this issue, we are pleased to bring you the special issue on high-temperature plasma diagnostics on magnetic fusion energy (MFE) research.

Over many decades experimental plasma physicists have been developing unique state-of-the-art techniques and measurement tools to diagnose and reveal the secrets of fusion plasmas. For the past several years, we have been working with many experts in the MFE plasma diagnostics community to contribute to series of review papers on modern plasma diagnostics with a forward look at the issues and challenges associated with diagnostics systems for a burning plasma experiment (BPX/ITER).

The approach chosen in this issue is to review diagnostics according to the type of system used in different measurement techniques (magnetics, microwave, optical, passive spectroscopy, active spectroscopy, bolometry, neutral particles, fusion products, first wall and operational, etc.). We believe that this special issue is an important contribution and will have a long-lasting value to the fusion community, from desktops to classrooms.

We are deeply indebted to the contributing authors for their efforts in preparing this issue for the readers of *Fusion Science and Technology (FS&T)*. Our thanks are due Dr. Alan Costley and Dr. Dave Johnson for their help with the coordination of the issue and for serving as the guest editors. The 13 chapters included in this issue survived the rigors of the peer review process, courtesy of 40 international reviewers. The breadth and depth of each chapter (with copious references) are clearly evident. We extend our utmost gratitude and appreciation to the authors for their hard work, to the referees for their help and guidance to maintain high scientific standards, and to the guest editors for their coordination and interface with the authors during the entire process. An undertaking of this magnitude by the coordinators, authors, and referees does not just happen. Our sincere thanks to all of them.

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