

Preface

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This issue of EPJ Web of Conferences collects the proceedings of the 22st Joint Workshop on Electron Cyclotron Emission and Electron Cyclotron Resonance Heating, which took place at the Ramada Hotel, Daejeon, Republic of Korea, from April 22 to April 26, 2024. The workshop was attended by 89 (18 remote) participants from 15 countries. The results were presented in the frame of 13 invited, 30 oral and 27 poster contributions. The present proceedings collect a total of 25 papers.

As in 2022, the large majority of the talks was delivered in person, with a small number of remote presentations. Personal interaction is of particular importance for an expert meeting like the EC Workshop, which is intended as a forum for direct exchange of information, as well as for discussion and planning of future activities. The five-days format, introduced in the previous workshop, was maintained also in EC22. This increased the time for discussions, both during the sessions (oral and poster) and beyond them. In the view of the editors of these proceedings, the intensity of the scientific interactions and the openness of the participants in sharing and questioning their results reflect the strong engagement of the EC community and its awareness of the importance of EC waves as a key heating system in the fusion reactors under operation, construction or in the planning phase. The scientific programme was complemented by a visit to the EC installations of KSTAR and an excursion to the Gonju village, the Gonju national museum, and of the Gongsanseong fortress.

As in the previous years, the present proceedings are meant to provide a representative snapshot of the status of the progress of the EC community in the last two years in the fields of EC theory, EC experiments, EC diagnostics and EC-related technology. We would like to thank the local organizing committee for the flawless management of both the meeting and the supporting programme. We also acknowledge the help of several colleagues who were involved in the review of the papers collected in this volume.

The members of the Local Organizing Committee were

Eunmi Choi (chair)

Sonjong Wang (co-chair)

Gunsu Yun (co-chair)

Jeeyeon Park (administration)

Candy Seo (administration)

The members of the International Programme Committee were

Max Austin (IFS University of Texas at Austin, USA)
Eunmi Choi (UNIST, Korea)
Gregory Denisov (IAP Nizhny Novgorod, Russia)
Franco Gandini (ITER Organization)
Tim Goodman (EPFL, Switzerland)
Mei Huang (SWIP, China)
Shin Kubo (NIFS, Japan)
John Lohr (GA San Diego, USA)
Burkhard Plaum (IGVP University of Stuttgart, Germany)
Emanuele Poli (IPP Germany, chair)
Braj K. Shukla (IPR, India)
Victor Uditsev (ITER Organization)

Emanuele Poli, Eunmi Choi, Sonjong Wang, Gunsu Yun (editors)
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