

Preface

Ninth International EISCAT Workshop

This issue contains a selection of papers which were presented at the 9th International EISCAT Workshop which took place in Wernigerode, Germany from 6–10 September 1999. It was the ninth workshop in an 18-year old tradition started in 1983 in Aussois, France, and organised bi-annually by the EISCAT community to present and to discuss recent results as well as new developments related to EISCAT. With 97 participants from 14 countries (including 7 from outside the EISCAT Association) this workshop showed again that EISCAT is still an excellent research tool and attracts interested scientists from all over the world. 80 oral presentations and 32 posters reflect once more the great scientific productivity of the EISCAT community and its valuable contribution to new knowledge.

The 25 contributions in this special issue start with interplanetary scintillation work, followed by the bulk of papers from the traditional topic of magnetosphere-ionosphere coupling and high latitude and substorm

studies. Further papers are on F- and E-region physics, plasma irregularities, and ionospheric modification. The selection is completed with several contributions to new experimental techniques and new hardware. It is worth noting that this issue includes for the first time a large proportion of papers (10) resulting from the ESR radar operation, showing the fruits of many years of development and investment.

We thank our colleagues of the local organisation team from the Max-Planck-Institut für Aeronomie, in particular our workshop secretaries Karin Peschke and Helga Reuter. We are also grateful to the Editor-in-Chief, Denis Alcaydé, and the topical Editor Mark Lester for providing again the possibility to publish the scientific results in a special issue of this journal. Last but not least we thank Ms. Sylviane Perret for her excellent editorial work.

Michael Rietveld, Kristian Schlegel, Guest Editors