

Preface

Eleventh International EISCAT Workshop

This special issue contains invited and contributed papers presented at the 11th bi-annual EISCAT International Workshop held at SRI International in Menlo Park, California, during August 2003. This was the first EISCAT Workshop held outside a member country and was intended to enhance the scientific collaboration between scientists from North America and scientists from the EISCAT member countries. SRI International was selected as the host institution because of the synergy existing between the high latitude incoherent scatter radars operated by EISCAT and SRI.

The Workshop was preceded by a three-day radar school, also hosted by SRI International. The school was attended by 18 students and the lecturers were chosen from both the EISCAT and the U.S., National Science Foundation supported, incoherent scatter radar (ISR) communities. The lecture notes are available on-line at <http://isr.sri.com/eiscat2003/>.

The Workshop was organized by topic and included nine oral sessions and a poster session each with co-conveners selected from both EISCAT and U.S. ISR communities:

- Session I – Storms and Substorms/Space Weather,
- Session II – Thermosphere and Mesosphere Studies,
- Session III – Novel Radar Applications,
- Session IV – New Results and Future Use of ISRs
– Beynon Medal Symposium,
- Session V – History of High Latitude ISRs,
- Session VI – I-M Coupling/High-Altitude Physics,
- Session VII – Structure and Dynamics of the Auroral
and Polar Ionosphere,
- Session VIII – Ionospheric Modification, and
- Session IX – Ionospheric Plasma Physics and
Microphysics.

The Workshop was attended by 93 scientists from 21 countries. From time to time, the Council of the EISCAT Scientific Association awards a medal, named for Professor W. J. G. Beynon who played a pivotal role in establishing the Association, in recognition of exceptional individual contributions. At a special Beynon Medal Symposium, held as part of the Workshop, the medal was awarded to Professor Tauno Turunen. The citation read: In recognition of important contributions to the techniques of Incoherent Scatter Radar and outstanding services to the EISCAT Scientific Association.

We are grateful to the Editor, the Topical Editor, and all the reviewers, as well as all the authors who contributed to the Workshop and to the final papers, for their efforts in bringing this special issue of *Annales Geophysicae* to fruition.

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Guest Editors