

7th International Conference on Radiometry, NEWRAD'99

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2000 Metrologia 37 353

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Foreword

7th International Conference on Radiometry, NEWRAD '99

This special issue of *Metrologia* contains the Proceedings of NEWRAD '99, the 7th International Conference on Radiometry, held in Madrid, Spain, from 25-27 October 1999. NEWRAD '99 continues the series of conferences on radiometry that began with meetings entitled New Developments and Applications in Optical Radiometry I to IV. These meetings took place in 1985 (Cambridge, Massachusetts, USA; proceedings published by Cambridge Research & Instrumentation Inc.), 1988 at the NPL (Teddington, UK; proceedings published by the Institute of Physics, London, Conference Series No. 92, 1989), 1990 at the World Radiation Center (Davos, Switzerland; proceedings published in *Metrologia*, 1991, **28**, 109-304) and 1992 (Baltimore, USA; proceedings published in *Metrologia*, 1993, **30**, 205-449). In 1994 the 5th International Conference on Radiometry was held at the PTB (Berlin, Germany; proceedings published in *Metrologia*, 1995/96, **32**, 409-721). In recent years the conferences have taken the general title NEWRAD. In 1997, the 6th Conference, NEWRAD '97, took place at the Optical Sciences Center, University of Arizona (Tucson, Arizona, USA; proceedings were published in *Metrologia*, 1998, **35**, 225-712).

The organizer of NEWRAD '99 was A. Corróns of the Instituto de Física Aplicada, Consejo Superior de Investigaciones Científicas. The NEWRAD Committee takes this opportunity to thank him for the tremendous effort that he put into the conference, which maintained

the high standards of previous NEWRADs. The sessions of the conference were chaired by J. Bastie, P. Boivin, A. Corróns, N. P. Fox, C. Fröhlich, J. L. Gardner, M. C. E. Huber, A. Pons, A. J. Wallard and E. Zalewski.

The central theme of NEWRAD conferences always concerns new developments and applications in radiometry with the specific intention of bringing together the communities from the national metrology institutes and the principal user communities of advanced radiometry, namely, the Earth resources and remote-sensing space communities. The wide interest in radiometry is shown by the broad range of topics covered in the papers presented at the conference. Most of the papers presented at NEWRAD '99 are published here; they were refereed by a board of guest editors chosen from the session chairmen and chairwomen and the NEWRAD Committee. Careful editing was also carried out by the *Metrologia* staff, for which the NEWRAD Committee is most appreciative. It is hoped that this volume, like its predecessors, will serve as a key reference for radiometry for some years to come.

The next conference in the series, NEWRAD '2001, will take place in Gaithersburg. The primary contact is A. Parr at the National Institute of Standards and Technology, Gaithersburg, MD 20899, USA: telephone: (+1 301) 975 2316; fax: (+1 301) 869 5700; e-mail: albert.parr@nist.gov.

T. J. Quinn, Chairman, NEWRAD Committee