

Preface

The Tenth Electromagnetic and Light Scattering Conference

The Tenth Electromagnetic and Light Scattering Conference (ELS-X) was held in Bodrum, a resort town on the Aegean Coast of Turkey. ELS-X was built on the success of previous meetings held in Amsterdam (1995) [1], Helsinki (1997) [2], New York (1998) [3], Vigo (1999), Halifax (2000) [4], Gainesville (2002) [5], Bremen (2003) [6], Salobreña (2005) [7], and St. Petersburg (2006) [8], along with the workshops held in Bremen (1996, 1998) and Moscow (1997). The main objective of these meetings is to bring together scientists and engineers researching various aspects of light scattering and to provide a relaxed atmosphere for in-depth discussion of theory, measurements, and applications.

The conference was attended by 78 scientists from 18 countries. The scientific program included one plenary lecture, seven invited reviews, 40 contributed talks, and 25 poster presentations. The volume of extended abstracts of ELS-X is available in the PDF format at <http://www.giss.nasa.gov/~crmim>. The conference papers included in this special issue have undergone the same rigorous review process as any other manuscript published in *JQSRT*.

The Tenth Electromagnetic and Light Scattering Conference was co-located with the Fifth Symposium on Radiative Transfer (RAD-V) [9], which followed meetings held in Kusadasi in 1995 and 1997, Antalya in 2001 [10], and Istanbul in 2004 [11]. RAD-V was organized by M. Pinar Mengüç and Nevin Selçuk. Frequent communications and discussions between the participants of both meetings resulted in a very productive and mutually beneficial week.

With the initiative of Charon Duermeijer, the Publisher of *JQSRT*, we had the opportunity to present the very first *JQSRT* Young Scientist Award in the sub-discipline of *Electromagnetic and Light Scattering* to Maxim Yurkin of the University of Amsterdam, The Netherlands. This brand new award was established to acknowledge the contributions from talented young researchers under the age of 36 years. Those who had published in *JQSRT* since November 2006 and had presented a paper at ELS-X were candidates for the award. Both Yurkin and the runner-up, Dmitry Petrov of the Kharkiv National University, Ukraine, were recognized for their significant contributions to the field [12].

Conveners

Michael Mishchenko, *NASA Goddard Institute for Space Studies, New York, USA*

Gorden Videen, *Army Research Laboratory, Adelphi, MD, USA*

M. Pinar Mengüç, *University of Kentucky, Lexington, KY, USA*

Organizing committee

Jay Eversole, *Naval Research Laboratory, Washington, DC, USA*

Keith I. Hopcraft, *University of Nottingham, Nottingham, UK*

James Hough, *Astronomy Research Centre, University of Hertfordshire, UK*

Joop Hovenier, *Astronomical Institute “Anton Pannekoek”, University of Amsterdam, The Netherlands*

Hal Maring, *NASA HQ, Washington, DC, USA*

Fernando Moreno, *Institute of Astrophysics of Andalusia, Spain*

Karri O. Muinonen, *University of Helsinki, Finland*

Yuri Shkuratov, *Kharkiv National University, Kharkiv, Ukraine*

Nikolai Voshchinnikov, *Sobolev Astronomical Institute, St. Petersburg University, Russia*
 Thomas Wriedt, *University of Bremen, Germany*

Invited speakers

Ferdinando Borghese, *Universita di Messina, Messina, Italy*

Shane R. Cloude, *AEL Consultants, Fife, Scotland, UK*

Oleg Dubovik, *University of Lille, Lille, France*

Michael Kahnert, *Swedish Meteorological and Hydrological Institute, Norrköping, Sweden*

Nikolai Khlebtsov, *Saratov State University, Saratov, Russian Federation*

Daniel W. Mackowski, *Auburn University, Alabama, USA*

Michael Mishchenko, *NASA Goddard Institute for Space Studies, New York, USA*

Michael Wolff, *Space Science Institute, Milwaukee, Wisconsin, USA*

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5th INTERNATIONAL SYMPOSIUM ON RADIATIVE TRANSFER and 10th CONFERENCE ON ELECTROMAGNETIC & LIGHT SCATTERING

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