Fifth International Conference on Squeezed States and Uncertainty Relations

D. Han, J. Janszky, Y.S. Kim, and V.I. Man'ko, Editors

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The Fifth International Conference on Squeezed States and Uncertainty Relations was held at Balatonfured, Hungary, on 27–31 May 1997. This series was initiated in 1991 at the College Park Campus of the University of Maryland as the Workshop on Squeezed States and Uncertainty Relations. The scientific purpose of this series was to discuss squeezed states of light, but in recent years the scope is becoming broad enough to include studies of uncertainty relations and squeeze transformations in all branches of physics including quantum optics and foundations of quantum mechanics. Quantum optics will continue playing the pivotal role in the future, but the future meetings will include all branches of physics where squeeze transformations are basic transformation. As the meeting attracted more participants and started covering more diversified subjects, the fourth meeting was called an international conference. The Fourth International Conference on Squeezed States and Uncertainty Relations was held in 1995 was hosted by Shanxi University in Taiyuan, China. The fifth meeting of this series, which was held at Balatonfured, Hungary, was also supported by the IUPAP. In 1999, the Sixth International Conference will be hosted by the University of Naples in 1999. The meeting will take place in Ravello near Naples.
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International Union of Pure and Applied Physics (IUPAP)
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Crystal Physics Laboratory, Hungary
PREFACE

The fifth International Conference on Squeezed States and Uncertainty Relations was held at Balatonfured, Hungary, on 27–31 May 1997. In this edition of the proceedings, we allocated six pages for every participant. As a result, young participants had the same page allocation as their senior colleagues. We hope to keep this tradition in order to encourage more young physicists to come to future meetings of this conference.

This series was initiated in 1991 at the College Park Campus of the University of Maryland as the Workshop on Squeezed States and Uncertainty Relations. The Second Workshop was hosted in 1992 by the Lebedev Physical Institute of the Academy of Science of the U.S.S.R in Moscow. The third meeting of this series was held in 1993 at the Baltimore County Campus of the University of Maryland in Catonesville, Maryland, U.S.A.

As the meeting attracted more participants and started covering more diversified subjects, the fourth meeting was called an international conference. The Fourth International Conference on Squeezed States and Uncertainty Relations was held in 1995 was hosted by Shanxi University in Taiyuan, China. This Conference was sponsored by the International Union of Pure and Applied Physics. The fifth meeting of this series, which was held at Balatonfured, Hungary, was also supported by the IUPAP.

In 1999, the Sixth International Conference will be hosted by the University of Naples in 1999. The meeting will take place in Ravello near Naples. For the fifth meeting which was held in Hungary, we are happy to acknowledge financial and other forms of supports provided by the following agencies and institutions.

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- Crystal Physics Laboratory, Hungary
- University of Szeged, Hungary
- Budapest Technical University, Hungary
REGISTERED PARTICIPANTS AND AUTHORS

Adam, Gerhard, adam@tph.tuwien.ac.at, Institut fur Theoretische Physik, Technische Universitat, Wien

Adam, Peter, adam@thunderbird.crystal.core.hu, Research Laboratory for Crystal Physics, Budapest and Janus Pannonius University, Pecs

Agarwal, Girish Saran, gsa@prl.ernet.in, Physical Research Laboratory Ahmedabad

Ali, S. Twareque, stali@neumann.concordia.ca, Department of Mathematics and Statistics, Concordia University Montreal

Aliaga, Jorge Luis, jaliaga@df.uba.ar, Physics Department, University of Buenos Aires

Alodjants, Alex P., wlad-rtf@vpti.vladimir.su, Vladimir State Technical University

Alter, Orly, orly@loki.stanford.edu, Stanford University

Andreev, Vladimir A., bortism@sgi.lpi.msk.su, Lebedev Physical Institute, Moscow

Bachor, Hans A., hans.bachor@anu.edu.au, Physics Department, Faculty of Science The Australian National University, Canberra

Bandilla, Arno, bandilla@photon.fia-berlin.de, Humboldt-Universitat Institut fur Physik, Berlin

Bardroff, Patrick J., patrick.bardroff@physik.uni-ulm.de, Abteilung fur Quantenphysik, Universitat Ulm

Ben-Aryeh, Yacob, phr65yb@physics.technion.ac.il, Department of Physics Technion - Israel Institute of Technology, Haifa

Bencs, Laszlo, bencs@sparc.core.hu, Research Laboratory for Crystal Physics, Budapest

Bene, Gyula, bene@ludens.elte.hu, Institute for Solid State Physics Roland Eotvos University, Budapest

Benedict, Mihaly, benedict@physx.u-szeged.hu, Department of Theoretical Physics Jozsef Attila University, Szeged

Benko, Csaba, Janus Pannonius University, Pecs
Benko, Gabor, fery@btstud.jpte.hu, Janus Pannonius University, Pecs

Bergou, Janos, jbergou@shiva.hunter.cuny.edu, Department of Physics
CUNY Hunter College, New York

Bertolotti, Mario, bertolotti@axrma.uniroma1.it, Dipartimento di Energetica
Università di Roma "La Sapienza"

Berzanskins, Audrius, audrius@stud.fh-jena.de
Technical University of Jena, Faculty of Physics and Medical Engineering

Breuer, Thomas, breuer@oeaw.ac.at, Austrian Academy of Sciences, Vienna

Brif, Constantin, phr65bc@phgrad.technion.ac.il, Department of Physics
Technion -- Israel Institute of Technology, Haifa

Buzek, Vladimir, v.buzek@ic.ac.uk, Institute of Physics
Slovak Academy of Sciences Bratislava and Optics Section, The Blackett Laboratory
Imperial College

Cabrillo, Carlos, ccabrilo@foton0.iem.csic.es, Instituto de Estructura de la Materia
CSIC, Madrid

Carinena, Jose F., jfc@posta.unizar.es, Departamento de Fisica Teorica
Universidad de Zaragoza

Casado, Alberto, acasado@cica.es, Departamento de Fisica
Aplicada Universidad de Sevilla

Cervero, Jose M., cervero@rs6000.usal.es
Departamento de Fisica Teorica Edificio Trilingue, Universidad de Salamanca

Chirkin, Anatolii S., chirkin@foton.ilc.msu.su, Department of Physics
Lomonosov Moscow State University

Chizhov, Alexei V., chizhov@thsun1.jinr.dubna.su, Bogolubov Laboratory of
Theoretical Physics, Joint Institute for Nuclear Research, Dubna

Cirac, Juan Ignacio, ignacio.cirac@uibk.ac.at, Theoretical Physics
University of Innsbruck

Csorgo, Tamas, csorgo@sunserv.kfki.hu
Research Institute for Particle and Nuclear Physics, Budapest
Czirjak, Attila, czirjak@sol.cc.u-szeged.hu, Department of Theoretical Physics
Jozsef Attila University, Szeged

Czitrovszky, Aladar, czitrov@sunserv.kfki.hu
Research Institute for Solid State Physics, Budapest

Daboul, Jamil, daboul@bguvms.bgu.ac.il
Ben Gurion University, Beer Sheva

D'Ariano, Giacomo Mauro, dariano@pv.infn.it
Dipartimento di Fisica "A. Volta", Pavia

Davidovic, Dragomir M., radojevic@castor.phy.bg.ac.yu
Laboratory for Theoretical Physics, Institute of Nuclear Sciences "Vinca", Beograd

De Martini, Francesco, demartini@axcasp.caspur.it, Dipartimento di Fisica
Universita "La Sapienza", Instituto Nazionale di Fisica Nucleare and
Instituto Nazionale di Fisica della Materia, Roma

Domokos, Peter, domokos@phisique.ens.fr, Laboratoire Kastler-Brossel
Departement de Physique de l'Ecole Normale, Superieure, Paris and
Research Laboratory for Crystal Physics, Budapest

Dremin, Igor M., dremin@td.lpi.ac.ru, Lebedev Physical Institute, Moscow

Drobny, Gabriel, drobny@savba.sk, Institute of Physics
Slovak Academy of Sciences, Bratislava

Dubin, Daniel A., d.a.dubin@open.ac.uk, Open University, Milton Keynes

Dusek, Miloslav, dusek@optnw.upol.cz, Department of Optics
Palacky University, Olomouc

Dutra, Sergio M., dutra@ifi.unicamp.br, Instituto de Fisica 'Gleb Wataghin'
Universidade Estadual de Campinas, UNICAMP, Sao Paulo

Englert, Berthold-Georg, englert@mfl.sue.physik.uni-muenchen.de,
Sektion Physik, Universität Muenchen

Fabre, Claude, fabre@spectro.jussieu.fr, Laboratoire-Kastler Brossel
Université Pierre et Marie Curie Paris

Fernandez, David J., david@fis.cinvestav.mx, Departamento de Fisica
CINVESTAV-IPN, Mexico
Fontenelle, Marcia T., fontenelle@physik.uni-ulm.de
Abteilung fur Quantenphysik, Universitat Ulm

Fuzessy, Zoltan, Department of Physics, Technical University, Budapest

Garcia-Fernandez, Priscilla, empris@roca.csic.es
Instituto de Estructura de la Materia, CSIC, Madrid

Garrett, Gregory A., ggarrett@umich.edu, University of Michigan

Georgiades, Nikos Ph., niko@acco.caltech.edu, Norman Bridge Laboratory of Physics, 12-33, California Institute of Technology

Geszti, Tamas, geszti@hercules.elte.hu, Department of Atomic Physics
Roland Eotos University, Budapest

Giacobino, Elisabeth, elg@spectro.jussieu.fr, Laboratoire Kastler-Brossel
Universite Pierre et Marie Curie, Paris

Han, Daesoo, han@trmm.gsfc.nasa.gov, National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt

Hardy, Lucien, hardy@axcasp.caspur.it
Dipartimento di Fisica, Universitat "La Sapienza", Roma

Hasselbach, Franz, franz.hasselbach@uni-tuebingen.de
Institut fur Angewandte Physik, Universitat Tubingen

Hayashi, Masahito, masahito@kusm.kyoto-u.ac.jp
Department of Mathematics, Kyoto University

Henry, Richard W., rhenry@bucknell.edu, Bucknell University, Lewisburg

Hillery, Mark, mhillery@shiva.hunter.cuny.edu, Bucknell University, Lewisburg

Hirota, Osamu, hirota@lab.tamagawa.ac.jp, Research Center for Quantum Communications, Tamagawa University, Machida-city, Tokyo

Horzela, Andrzej, horzela@solaris.ifi.edu.pl, Department of Theoretical Physics
H. Niewodniczanski Institute of Nuclear Physics, Krakow

Hradil, Zdenek, hradil@risc.upol.cz, Department of Optics
Palaczzy University and Atominstitut der Oesterreichischen Universitaten, Wien

Isakov, Vladimir A., isakov@sci.lpi.ac.ru, Lebedev Physical Institute, Moscow
Jex, Igor, jex@br.fjfi.cvut.cz, Department of Physics, Faculty for Nuclear Science and Physical Engineering CTU, Praha and Institute of Physics SAS Bratislava and Institut fur Experimentalphysik, Universitat Innsbruck

Janszky, Jozsef, janszky@sparc.core.hu
Research Laboratory for Crystal Physics, Budapest

Johansen, Lars, lars.m.johansen@hibu.no, Institute of Physics, University of Oslo

Kapuscik, Edward, sfkapusc@kinga.cyk-kr.edu.pl, Department of Theoretical Physics, H. Niewodniczanski Institute of Nuclear Physics, Krakow

Kilin, Sergei Ya., kilin@bas08.basnet.minsk.by, Institute of Physics
Belarus Academy of Sciences, Minsk

Kim, Myung Shik, mshkim@ccs.sogang.ac.kr, Department of Physics
Sogang University, Seoul

Kim, Young Suh, yskim@physics.umd.edu, Department of Physics
University of Maryland at College Park

Kis, Zsolt, zsolt@thunderbird.crystal.core.hu
Research Laboratory for Crystal Physics, Budapest

Kiss, Tamas, ktamas@thunderbird.crystal.core.hu
Research Laboratory for Crystal Physics, Budapest

Klauder, John, klauder@phys.ufl.edu, University of Florida

Knight, Peter L., p.knight@ic.ac.uk, Blackett Laboratory Optics Section
Imperial College, London

Kobayashi, Takayoshi, takakoba@phys.s.u-tokyo.ac.jp, Department of Physics
The University of Tokyo

Kochanski, Piotr, piokoch@thetal.ifpan.edu.pl
Center for Theoretical Physics, Warsaw

Korolkova, Natalia, korolkova@prfoptnw.upol.cz, Department of Optics
Palacky University in Olomouc

Kozierowski, M., mackoz@phys.amu.edu.pl, Nonlinear Optics Division
Institute of Physics, Adam Mickiewicz University, Poznan

Kroo, Norbert, kroo@power.szki.kfki.hu
Research Institute for Solid State Physics, Budapest
Kulagin, Victor V., *kul@sai.msu.su*, Sternberg Astronomical Institute
Moscow State University

Kurizki, Gershon, *cfkurizk@weizmann.weizmann.ac.il*
The Weizmann Institute, Rehovot

Lam, Ping Koy, *ping.lam@anu.edu.au*, Department of Physics
Faculty of Science, The Australian National University, Canberra

Lejarreta, Juan D., *leja@gugu.usal.es*, Universidad de Salamanca, E.U.I.T.I. (Bojar)

Leonhardt, Ulf, *ulf@photon.fra-berlin.de*, Department of Quantum Physics
University of Ulm

Lo, Chi-Fai, *cflo@phy.cuhk.edu.hk*, Department of Physics
The Chinese University of Hong Kong

Lugiato, Luigi, *lugiato@mi.infn.it*, Dipartimento di Fisica, Universita di Milano

Lutkenhaus, Norbert, *norbert@teazer.ubk.ac.at*
Institut fur Theoretische Physik, Universitat Innsbruck

Mancini, Stefano, *mancini@perugia.infn.it*, Dipartimento di Matematica e Fisica
Università di Camerino

Man'ko, Margarita, *manko@na.infn.it*, Lebedev Physics Institute, Moscow

Man'ko, Olga, *omanko@sci.lpi.msk.su*, Lebedev Physics Institute, Moscow

Man'ko, Vladimir I., *manko@na.infn.it*, Lebedev Physics Institute, Moscow

Martinez-Linares, Jesus, *jem@mpq.mpg.de*
Max-Planck-Institut fur Quantenoptik, Garching

Messina, Antonio, *messina@ist.fisica.unipa.it*
Institute of Physics, University of Palermo

Moya-Cessa, Hector M., *hmmc@inaoep.mx*
Instituto Nacional de Astrofisica, Optica y Electronica, Puebla

Mustecaplioglu, Ozgur Esat, *mustecap@fen.bilkent.edu.tr*
Department of Physics, Bilkent University, Ankara

Nagel, Bengt, *nagel@theophys.kth.se*, Division of Theoretical Physics
Royal Institute of Technology, Stockholm
Napoli, Anna, messina@ist.fisica.unipa.it, Institute of Physics
University of Palermo

Ng, Kin-Man, kmng@phy.cuhk.edu.hk, Department of Physics
The Chinese University of Hong Kong

Nieto, Luis Miguel, lmnieto@cpd.uva.es, Department of Theoretical Physics
University of Valladolid

Nieto, Michael Martin, mmn@pion.lanl.gov, Theoretical Division (T-8, MS-B285)
Los Alamos National Laboratory

Opatrny, Tomas, opatrny@tpi.uni-jena.de, Friedrich-Schiller-Universitat
Jena and Palacky University, Olomouc

Orlowski, Arkadiusz Janusz, orlow@ifpan.edu.pl
Institute of Physics, Polish Academy of Science, Warsaw

Osaki, Masao, osaki@lab.tamagawa.ac.jp, Tamagawa University

Ozawa, Masanao, e43252a@nucc.cc.nagoya-u.ac.jp
School of Informatics and Sciences, Nagoya University

Perina, Jan, perina@engc.bu.edu, Quantum Optics Laboratory
Department of Electrical and Computer Engineering, Boston University

Perinova, Vlasta, perinova@risc.upol.cz, Laboratory of Quantum Optics
Faculty of Natural Sciences, Palacky University, Olomouc

Polzik, Eugene S., polzik@dfi.aau.dk, Institute of Physics and Astronomy
Aarhus University

Raimond, Jean Michel, jean-michel.raimond@physique.ens.fr, Laboratoire Kastler-Brossel, Ecole Normale Superieure, Universite P. et M. Curie, Paris

Ralph, Tim, timothy.ralph@anu.edu.au, Department of Physics
Faculty of Science, The Australian National University

Rauch, Helmut, rauch@ati.ac.at
Atominstitut der Oesterreichischen Universitaten, Wien

Reisner, Stefan, reisner@zpr.uni-koeln.de, University of Cologne
Department of Physical Chemistry
Rojo, Alberto Gustavo, rojoa@umich.edu
University of Michigan, Randall Laboratory, Ann Arbor

Royer, Antoine, Departement Genie Physique, Ecole Polytechnique, Montreal

Rubin, Morton H., rubin@umbc.edu, UMBC Quantum Optics Group
Physics Department, University of Maryland Baltimore County

Sacchi, Massimiliano Federico, msacchi@pv.infn.it
Dipartimento di Fisica "A. Volta", Universita di Pavia

Sakaguchi, Fuminori, saka@dignet.fuee.fukui-u.ac.jp, Department of Electrical and Electronics Engineering, Faculty of Engineering, Fukui University

Saleh, Bahaa E. A., besaleh@enga.bu.edu, Quantum Optics Laboratory
Department of Electrical and Computer Engineering, Boston University

Santa, Imre, santa@ttk.jpte.hu, Department of General Physics and Laser Spectroscopy, Janus Pannonius University, Pecs

Schiller, Stephan, schiller@spock.physik.uni-konstanz.de, Fakultat fur Physik, Universitat Konstanz

Scully, Marlan O., Texas A&M University

Semenov, Andriy A., lev@elphys.carrier.kiev.ua, Department of Theoretical Physics, Institute of Physics, Kiev

Sergienko, Alexander, alexserg@bu.edu, Department of Electrical and Computer Engineering, Boston University

Shih, Yanhua, shih@umbc2.umbc.edu, Department of Physics, University of Maryland Baltimore County

Shumovsky, Alexander S., shumo@fen.bilkent.edu.tr, Physics Department
Bilkent University, Ankara and Bogoliubov Laboratory of Theoretical Physics
Joined Institute for Nuclear Research, Dubna

Solimeno, Salvatore, salvatore.solimeno@na.infn.it, Dipartimento di Fisica, Napoli

Solomon, Allan I., a.i.solomon@open.ac.uk
Faculty of Mathematics and Computing, Open University, Milton Keynes

Suda, Martin, suda@arcs.ac.at, Oesterreichisches Forschungszentrum Seibersdorf
Swain, Stuart, s.swain@qub.ac.uk, School of Mathematics and Physics
The Queen's University of Belfast

Szabo, Gabor, gszabo@physx.u-szeged.hu, Department of Quantum Electronics
Jozsef Attila University, Szeged

Szabo, Szilard, szil@thunderbird.crystal.core.hu
Research Laboratory for Crystal Physics

Szalay, Viktor, viktor@sparc.core.hu, Research Laboratory for Crystal Physics

Tanas, Ryszard, tanas@phys.amu.edu.pl, Nonlinear Optics Division
Institute of Physics, Adam Mickiewicz University, Poznan

Teich, Malvin C., teich@enga.bu.edu, Department of Electrical and Computer Engineering, Biomedical Engineering, Cognitive and Neural Systems
Boston University

Terazawa, Hidezumi, hosokawa@ins.u-tokyo.ac.jp, Institute of Particle and Nuclear Studies, High Energy Accelerator Research Organization, Tokyo

Tombesi, Paolo, tombesi@roma1.infn.it, Dipartimento di Matematica e Fisica
Università di Camerino

Tsue, Yasuhiko, tsue@cc.kochi-u.ac.jp, Department of Physics
Kochi University, Kochi

Twamley, Jason, j.twamley@ic.ac.uk, Laser Optics and Theory Groups
Blackett Laboratory, Imperial College, London

Van Huele, Jean-Francois, vanhuele@dirac.byu.edu
Brigham Young University, B.Y.U Provo

Varga, Peter, vargap@rl.ati.kfki.hu
Research Institute for Material Sciences, Budapest

Varro, Sandor, vs@glory.szfki.kfki.hu
Research Institute for Solid State Physics, Budapest

Vey, Jean-Luc, jean-luc.vey@physik.th-darmstadt.de
Institut für Angewandte Physik, Technische Hochschule, Darmstadt

Vidiella-Barranco, Antonio, vidiella@ift.unicamp.br
Instituto de Fisica "Gleb Wataghin", Universidade Estadual de Campinas, Campinas
Vogel, Werner, vogel@physik3.uni-rostock.de
Fachbereich Physik, Universität Rostock

Vourdas, Apostolos, ee21@liverpool.ac.uk
Department of Electrical Engineering and Electronics, University of Liverpool

Vyatchanin, Sergey Petrovich, vyat@mol.phys.msu.su, Department of Molecular Physics and Physical Measurements, Physics Faculty, Moscow State University

Weigert, Stefan, weigert@ubaclu.unibas.ch
Institut für Physik der Universität, Basel

Welsch, Dirk-Gunnar, welsch@tpi.uni-jena.de, Friedrich-Schiller-Universität Jena
Theoretisch-Physikalisches Institut, Jena

Wiseman, Howard Mark, wiseman@physics.uq.edu.au, Department of Physics
University of Auckland and Department of Physics, University of Queensland

Wolf, Kurt Bernardo, bwolf@ce.ifisicam.unam.mx, Instituto de Investigaciones en Matemáticas Aplicadas y en Sistemas, Universidad Nacional Autónoma de Mexico

Wu, Ling-An, wula@aphy01.iphy.ac.cn, Institute of Physics, Academia Sinica, Beijing

Wuensche, Alfred, wuensche@photon.fra-berlin.de, Arbeitsgruppe "Nichtklassische Strahlung", Institut für Physik, Humboldt-Universität, Berlin

Yu, Si-Xia, yu@ati.ac.at
Atominstitut der Österreichische Universität, Vienna

Zeilinger, Anton, anton.zeilinger@uibk.ac.at
Institut für Experimentalphysik, Universität Innsbruck
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