

EOS Prize Winners

1996 - 2011

2011

THREE-GRATING MONOLITHIC PHASE-MASK FOR THE SINGLE-ORDER WRITING OF LARGE-PERIOD GRATINGS

YANNICK BOURGIN¹, ISMO VARTIAINEN², YVES JOURLIN¹, MARKKU KUITTINEN², FRÉDÉRIC CELLE¹, SVETLEN TONCHEV¹, OLIVIER PARRIAUX¹, TAPIO NIEMI³

¹Université de Lyon, Laboratoire Hubert Curien, UMR CNRS 5516, 18 rue de Pr. B. Lauras, 42000 Saint-Etienne(FR);

²University of Eastern Finland, Department of Physics and Mathematics, P.O. Box 111, 80101 Joensuu (FI);

³Tampere University of Technology, P.O. Box 527, 33101 Tampere (FI).

2010

SELF-IMAGING EFFECT IN MULTIMODE WAVEGUIDES WITH LONGITUDINAL PERIODICITY

S.F. HELFERT, B. HUNEKE, J. JAHNS

Fernuniversitaet Hagen in Hagen, Optical Information Technology, Feithstr. 27, 58084 Hagen (GE).

2009

ULTRAFAST GAIN SWITCHING IN CONJUGATED POLYMER-DOPED PLASTIC OPTICAL FIBERS

J. CLARK¹, L. BAZZANA², W. C. TSOI³, R. XIA⁴, A. L. MENDONCA⁵, A. CHARAS⁵, J. CABANILLAS-GONZALEZ¹, T. VIRGILI¹, L. PARACCHINI¹, D. D. C. BRADLEY⁴, D. G. LIDZEY³, J. MORGADO⁵, A. NOCIVELLI², G. LANZANI¹

¹Politecnico di Milano, Dipartimento di Fisica and Istituto di Fotonica e Nanotecnologie - CNR (IT); ²LUCEAT S.p.A., (IT);

³University of Sheffield, Physics Department (UK); ⁴Imperial College, Physics Department (UK); ⁵Instituto de Telecomunicacoes, and Departamento de Engenharia Química, Instituto Superior Técnico (PT).

PRECISION MEASUREMENTS OF GRAVITY USING COLD ATOM SENSORS

F. SORRENTINO¹, M. DE ANGELIS¹, A. BERTOLDI², L. CACCIAPUOTI³, A. GIORGINI⁴, M. PREVEDELLI⁵, G. ROSI⁶, G.M. TINO⁷

¹Istituto di Cibernetica CNR (IT); ²Laboratoire Charles Fabry de l'Institut d'Optique (FR); ³ESA Research and Scientific Support Department (NL); ⁴Dipartimento di Fisica, Università di Napoli (IT); ⁵Dipartimento di Chimica Fisica e Inorganica, Università di Bologna (IT); ⁶Dipartimento di Fisica "Enrico Fermi" (IT); ⁷Dipartimento di Fisica and LENS, Università di Firenze - INFN (IT).

2008

ENHANCED TRANSMISSION THROUGH ARRAYS OF SUBWAVELENGTH HOLES IN GOLD FILMS COATED BY A FINITE DIELECTRIC LAYER

SANSHUI XIAO¹, NIELS ASGER MORTENSEN¹, MIN QIU²

¹Technical University of Denmark MIC, Department of Micro-and Nanotechnology (DK); ²Laboratory of Optics, Photonics and Quantum Electronics, Department of Microelectronics and Applied Physics, Royal Institute of Technology (KTH) (SE).

Published in the Journal of the European Optical Society – Rapid Publications Vol 2, 07009 JEOS:RP (2007).

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1996 - 2011

2007

GENERATION OF SQUEEZING IN HIGHER ORDER HERMITE-GAUSSIAN MODES WITH AN OPTICAL PARAMETRIC AMPLIFIER

M. LASSEN^{1,2}, V. DELAUBERT^{1,3}, C.C. HARB^{1,4}, P.K. LAM¹, N. TREBS³, H.-A. BACHOR¹

¹ The Australian National University, ACQOA (AU); ² Department of Physics, DTU (DK); ³ Laboratoire Kastler Brossel (FR); ⁴ School of Information Technology and Electrical Engineering, University College, The University of New South Wales (AU).

Published in the *Journal of the European Optical Society – Rapid Publications Vol. 1, 06003 JEOS:RP (2006)*.

2004

A “POOR MAN’S APPROACH” TO MODELLING MICRO-STRUCTURED OPTICAL FIBERS

JESPER RIISHEDE¹, NIELS ASGER MORTENSEN², JESPER LAEGSGAARD¹

¹ Research Center COM, Technical University of Denmark, Lyngby (DK); ² Crystal Fibre A/S, Birkerød, Denmark.
J. Opt. A: Pure Appl. Opt. 5 (2003) 534-538 (DK).

2003

K. VOLKE-SEPULVEDA¹, S. CHAVEZ-CERDA¹, V. GARCES-CHAVEZ², J. ARLT² AND K. DHOLAKI²

¹ Instituto Nacional de Astrofísica, Óptica y Electrónica in Puebla (MX); ² School of Physics and Astronomy at St. Andrews University (UK).

1998

FRANCO GORI, MASSIMO SANTARSIERO, SILVIA VICALVI, RICCARDO BORCHI AND GIORGIO GUATTARI

Università di Roma & Istituto Nazionale per la Fisica della Materia - Università La Sapienza (IT).

1997

THOMAS HESSLER¹, MARKUS ROSSI¹, JØRN PEDERSEN¹, MICHAEL GALE¹ AND MICHAEL WEGNER², DANIELA STEUDLE², HANS J. TIZIANI²

¹ Paul Scherrer Institut (CH); ² Universität Stuttgart (DE).

1996

ANTON ZEILINGER

University of Innsbruck (AT).