

EOS Prize Winners

1996 - 2009

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).

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

¹The Australian National University, ACQOA (AU); ²Department of Physics, DTU (DK); ³Laboratoire Kastler Brossel (FR); ⁴School 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

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

EOS Prize Winners

1996 - 2009

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 BORGHINI 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).