

# EOS Prize Winners

1996 - 2012

2012

## LOW COST PRODUCTION OF COMPUTER-GENERATED HOLOGRAMS: FROM DESIGN TO OPTICAL EVALUATION

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Published in the Journal of the European Optical Society – Rapid Publications (JEOS:RP), Vol. 5

2011

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

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Published in the Journal of the European Optical Society – Rapid Publications (JEOS:RP), Vol. 6

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. CLARK<sup>1</sup>, L. BAZZANA<sup>2</sup>, W. C. TSOI<sup>3</sup>, R. XIA<sup>4</sup>, A. L. MENDONCA<sup>5</sup>, A. CHARAS<sup>5</sup>, J. CABANILLAS-GONZALEZ<sup>1</sup>, T. VIRGILI<sup>1</sup>, L. PARACCHINI<sup>1</sup>, D. D. C. BRADLEY<sup>4</sup>, D. G. LIDZEY<sup>3</sup>, J. MORGADO<sup>5</sup>, A. NOCIVELLI<sup>2</sup>, G. LANZANI<sup>1</sup>

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## PRECISION MEASUREMENTS OF GRAVITY USING COLD ATOM SENSORS

F. SORRENTINO<sup>1</sup>, M. DE ANGELIS<sup>1</sup>, A. BERTOLDI<sup>2</sup>, L. CACCIAPUOTI<sup>3</sup>, A. GIORGINI<sup>4</sup>, M. PREVEDELLI<sup>5</sup>, G. ROSI<sup>6</sup>, G.M. TINO<sup>7</sup>

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2008

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

SANSHUI XIAO<sup>1</sup>, NIELS ASGER MORTENSEN<sup>1</sup>, MIN QIU<sup>2</sup>

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*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<sup>1,2</sup>, V. DELAUBERT<sup>1,3</sup>, C.C. HARB<sup>1,4</sup>, P.K. LAM<sup>1</sup>, N. TREBS<sup>3</sup>, H.-A. BACHOR<sup>1</sup>

<sup>1</sup> The Australian National University, ACQOA (AU); <sup>2</sup> Department of Physics, DTU (DK); <sup>3</sup> Laboratoire Kastler Brossel (FR); <sup>4</sup> 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 RIISHEDÉ<sup>1</sup>, NIELS ASGER MORTENSEN<sup>2</sup>, JESPER LAEGSGAARD<sup>1</sup>

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*J. Opt. A: Pure Appl. Opt. 5 (2003) 534-538 (DK).*

2003

K. VOLKE-SEPULVEDA<sup>1</sup>, S. CHAVEZ-CERDA<sup>1</sup>, V. GARCES-CHAVEZ<sup>2</sup>, J. ARLT<sup>2</sup> AND K. DHOLAKI<sup>2</sup>

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

1998

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

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

1997

THOMAS HESSLER<sup>1</sup>, MARKUS ROSSI<sup>1</sup>, JØRN PEDERSEN<sup>1</sup>, MICHAEL GALE<sup>1</sup> AND MICHAEL WEGNER<sup>2</sup>, DANIELA STEUDLE<sup>2</sup>, HANS J. TIZIANI<sup>2</sup>

<sup>1</sup> Paul Scherrer Institut (CH); <sup>2</sup> Universität Stuttgart (DE).

1996

ANTON ZEILINGER

University of Innsbruck (AT).