

**DOPS**

Dansk Optisk Selskab

**Thursday, November 24, 2011**Registrering 9:00 – 10:00

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**Dansk Optisk Selskabs årsmøde 2011**Aarhus Universitet, Fredrik Nielsens Vej 4, Bygning 1420/1422, ”Studenternes Hus”  
24. og 25. november 2011**Thursday, November 24, 2011**

Registrering 9:00 – 10:00

DOPS Generalforsamling 10:00 – 12:00

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1. Valg af dirigent
2. Valg af stemmetællere
3. Formandens beretning
4. Valg af formand for 2012
5. Valg af bestyrelsesmedlemmer
6. Valg af suppleanter til bestyrelsen
7. Diskussion af mødeinitiativer i 2012
8. Godkendelse af regnskab for 2010
9. Fremlæggelse af budget for 2011 og 2012
10. Valg af to revisorer
11. Orientering om DOPS' Web
12. Indkomne forslag
13. Eventuelt

Ifølge DOPS' vedtægter er formanden på valg hvert år, men kan genvælges. Den nuværende formand (Steen G. Hanson) afgår. Bestyrelsesmedlemmer er på valg hvert andet år, og suppleanter til bestyrelsen er på valg hvert år.

I år er Martin Kristensen, Kjeld Pedersen, Jesper Falden Offersgaard og Henrik Pedersen på valg som bestyrelsesmedlemmer. Alle genopstiller.

Peter Lichtenberg, Finn Mengel og Mike van der Poel er på valg som suppleanter. Alle tre genopstiller. Som revisorer opstilles Torben Jacobsen, Ibsen Photonics, og Mads Sckerl, Grundfos.

Andre forslag til opstilling af ny formand eller medlemmer/suppleanter bedes meddelt Steen G. Hanson, (tlf. nr.: 4677 4504, fax nr.: 4677 4565, e-mail ([steen.hanson@fotonik.dtu.dk](mailto:steen.hanson@fotonik.dtu.dk)) inden den 14. november 2011.

<b>Lunch</b> .....	12:00 – 13:00
<b>DOPS Prize and lecture given by the receiver</b> .....	13:00 – 13:30
<b>DOPS Junior Prize and lecture given by the receiver</b> .....	13:30– 14:00

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**Session I      *Nano-Photonics*      14:15 – 15:50**

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**Chair:**  
*Martin Kristensen, Department of Engineering, AU*

**Ultimate light confinement with plasmonics (invited)**  
*Prof. Sergey I. Bozhevolnyi, Institute of Technology and Innovation (ITI), University of Southern Denmark*  
..... 14:15 – 15:00

**Compact optical design solutions using focus tunable lenses (invited)**  
*Mark Blum, Chief Operating Officer, Optotune, Switzerland*  
..... 15:00 – 15:30

**A new approach to low loss photonic crystal waveguides**  
*Asger Christian Krüger,<sup>1</sup> Min Zhang,<sup>1</sup> Nathaniel Groothoff,<sup>1</sup> Radu Malureanu,<sup>2</sup> and Martin Kristensen<sup>3</sup>*  
<sup>1</sup>*Interdisciplinary Nanoscience Center, Aarhus University, Ny Munkegade 120, 8000 Aarhus C, Denmark,*  
<sup>2</sup>*Plasmonics and Metamaterials group, Department of Photonics Engineering, Technical University of Denmark, Ørstedts Plads, 2800 Kgs. Lyngby, Denmark*  
<sup>3</sup>*Department of Engineering, Aarhus University, Ny Munkegade 120, 8000 Aarhus C, Denmark*  
..... 15:30 – 15:50

**Coffee, poster and exhibition**  
..... 15:50 – 16:30

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**Session II      *General Optics*      16:30 – 17:20**

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**Chair:**  
*Henrik Pedersen, DTU Fotonik*

**Bringing the infrared to light**  
*Jeppe Seidelin Dam, Peter Tidemand-Lichtenberg and Christian Pedersen, DTU Fotonik*  
..... 16:30 – 16:50

**Plasmon-improved coupling of light into silicon-solar cells (invited)**  
*Arne Nylandsted Larsen + the PLATOS Project\*,*  
*Department of Physics and Astronomy/iNANO, Aarhus University*  
..... 16:50– 17:20

**Posters, exhibition & beer**..... 17:20– 19:15

**Dinner**..... 19:15 – 20:45

**After-dinner-lecture by Jan Heinemeier: Optical Dating**..... 20:45 – 21:30

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**End of first day      21:30**

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Session III *Physical Optics*

9:00 – 9:50

**Chair:**

*Kjeld Petersen, AAU*

**Parametric down conversion in an ultra-cold atomic gas**

*Jan Arlt, Department of Physics and Astronomy, Aarhus University, Ny Munkegade Building 1520, 8000 Aarhus C, DK*

..... 9:00 – 9:20

**The interaction of ultra-short laser pulses with materials. (invited)**

*Associate Professor, Peter Balling, Martin S. Christensen, Martin Frislev, Henrik Dueholm Hansen, Lauge Andreas Kjær, Lasse Refsgaard, Juha-Matti Savolainen, Kristian J. Wædegaard, Timo Zeyer,*

*Department of Physics and Astronomy, Aarhus University, DK-8000 Aarhus C, Denmark*

..... 9:20 – 9:50

**Local coherent excitation of surface plasmon polaritons by linear- and non-linear scattering off organic nanofibers**

*Esben Skovsen, Department of Physics and Nanotechnology, Aalborg University, Denmark*

..... 9:50 – 10:15

**Coffee, poster and exhibition**

..... 10:15 – 10:45

**Poster Prize**

..... 10:45 – 11:00

Session IV *Spectroscopy*

11:00 – 12:05

**Chair:**

*Lars Lindvold, Radiation Research Division, Risø DTU, Roskilde, Denmark*

**Advances in DUV spectroscopy**

*Preben Buchhave<sup>1</sup>, Peter Tidemand-Lichtenberg<sup>2</sup> and Claus Tilsted Mogensen<sup>3</sup>*

*<sup>1</sup>: Intarsia Optics I/S, <sup>2</sup>: DTU Fotonik, <sup>3</sup>: Grundfos Management Center*

..... 11:00 – 11:20

**Optical vortices in a new light (invited)**

*Johannes Courtial, Lecturer, University of Glasgow, School of Physics and Astronomy*

..... 11:20 – 12:05

**Closing Remarks**

*Steen G. Hanson, Fotonik, DTU*

**Lunch and Exhibition**

..... 12:15 – 14:00

**End of second day**