MATHEON **Workshop**
6th Annual Meeting "Photonic Devices"
21./22.2.2013, Zuse Institute Berlin

Thursday

Begin	Speaker	Institute	Title
10:30	Ch. Schütte	ZIB	Welcome
10:40	M. Wegener	KIT	Photonic Metamaterials
11:20	D. Norris	ETHZ	Chiral Plasmonic Films and Nanoparticles
12:00	B. Kleemann	Zeiss	Nano- and microoptical materials and their use in optical applications
12:40			**Lunch**
14:00	H. Greiner	Philips	Modelling and Simulation of OLED light extraction layers
14:20	L. Zschiedrich	JCMwave	Light emission from periodically structured OLEDs
14:40	S. Belousov	Kintech Lab	Simulation of outcoupling in OLEDs with structured cathodes with finite-difference time-domain method
15:00	R. Schuhmann	TU Berlin	2D and 3D Simulations of Resonant Optical Devices Using the Finite Integration Technique
15:20			**Coffee break**
16:05	S. Christiansen	MPL	
16:45	M. Hammerschmidt	ZIB	Benefits of hp-finite element techniques for simulating solar cells with superthin layers
17:05	O. Hoehn	Fraunhofer	Challenges to optical design and optimization of solar cells
17:25	Th. Lanz	EPFL/ZHAW	Scalar Light Scattering Theories for the Optical Simulation of Thin-Film Solar Cells

Sponsor
We would like to thank JCMwave for sponsoring drinks and refreshments served during coffee breaks.

JCMwave

MATHEON **Workshop**
6th Annual Meeting "Photonic Devices"
21./22.2.2013, Zuse Institute Berlin

Friday

Begin	Speaker	Institute	Title
08:30	C. Rockstuhl	Uni Jena	Simulation of hybrid quantum-plasmonic systems
09:10	P. Manley	HZB	Plasmonic Concepts for Increased Solar Cell Efficiency
09:30	Dan Davidov	Hebrew University	Development of IR-label free methods for biomedical research
09:50			**Coffee break**
10:20	A. Schädle	U Düsseldorf	Hardy space infinite elements for Maxwell's equations
11:00	K. Schmidt	TU Berlin	Modelling in photonic crystal structures
11:40	C. Wolff	MBI	Simple magneto-optic transition metal models for time-domain simulations
12:00	A. Rahman	City University London	Finite element based photonics modelling
12:20			**Lunch**
13:40	Th. Koprucki	WIAS	Discretization scheme for drift / diffusion equations with a generalized Einstein relation
14:20	D. Klindworth	TU Berlin	An efficient calculation of photonic crystal band structures using Taylor expansions
14:40	F. Milde	TU Berlin	Modeling of electron-photon scattering in third-generation quantum well solar cells
15:00	Th. Arnold	WIAS	On Born approximation for scattering by rough surfaces
15:20			**Coffee break**
15:50	B. Bodermann	PTB Braunschweig	
16:10	R. Moirangthem	MPI for Iron Research GmbH	Whispering gallery modes in ZnO microspheres for sensitive optical spectroscopy
16:30	B. Wohlfeil	TU Berlin	Two Concepts for Integrated Optical Polarization Converter on SOI

Sponsor
We would like to thank JCMwave for sponsoring drinks and refreshments served during coffee breaks.

JCMwave