Thursday

Begin	Speaker	Affiliation	Title
10:00	S. Burger	ZIB	Opening
10:10	A. Abass	KIT	Deducing optimal disordered textures for energy harvesting (*invited*)
10:40	C. Becker	HZB	Nanostructured silicon thin films for light management in photovoltaics and photonics (*invited*)
11:10	O. Höhn	Fraunhofer ISE	Modeling of silicon based tandem solar cells and module stacks using the OPTOS formalism
11:30	S. Schmitt	HZB	Photonic devices based on semiconductor and oxide nanostructures
11:50	**lunch break**		
13:30	M. Davanco	NIST	A heterogeneous III-V / Si_3N_4 quantum photonic integration platform (*invited*)
14:00	M. Seifried	IBM Research	III-V on silicon for monolithic electro-optical integration of on-chip laser sources (*invited*)
14:30	N. Gregersen	DTU	Benchmarking five computational methods for analyzing large photonic crystal membrane cavities
14:50	**coffee break**		
15:20	A. Schädle	U Düsseldorf	A splitting method for laser-plasma interactions (*invited*)
15:50	T. Koprucki	WIAS	On current injection into single quantum dots through oxide-confined pn-diodes
16:10	L. Zschiedrich	JCMwave	Review: resonance mode computation
16:30	**coffee break**		
17:00	M. Bär	PTB	Enabling a Bayesian approach to the inverse problem of scatterometry by surrogate modelling (*invited*)
17:30	P. Petrik	MTA	Development of optical devices for ellipsometry, scatterometry and interferometry (*invited*)
18:00	I. Fernandez-Corbaton	KIT	A unified theory to describe and engineer conservation laws in light-matter interactions (*invited*)
18:30	M. Hammerschmidt	ZIB	Fast MAP estimation for Bayesian inverse problems in scatterometry
19:00	**joint dinner**		

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Friday

Begin	Speaker	Affiliation	Title
09:00	W. Pernice	U Münster	All-optical processing using phase-change nanophotonics (*invited*)
09:30	A. Herrero	CSIC	Fourier-transform spectrometer chip in silicon microphotonic waveguides (*invited*)
10:00	A. Fernandez Herrero	PTB	Using a sledge-hammer to crack a nut: Maxwell solver and X-rays (*invited*)
10:30	**coffee break**		
11:00	G. Kewes	HUB	Nanoscopic resonators - computing Q-factors, Purcell-factors and quenching (*invited*)
11:30	F. Setzpfandt	U Jena	Parametric nonlinear interactions in dielectric photonic nanostructures (*invited*)
12:00	**lunch break**		
13:30	S. Rodt	TUB	Novel device technologies and advanced numerical modeling for functional nano-optoelectronic devices (*invited*)
14:00	M. Gębski	U Lodz / TUB	Manufacturing and simulation of monolithic high contrast grating VCSELs
14:20	S. Döpking	FUB	Error propagation in first principles based (photo-) catalytic kinetic models
14:40	M. Kantner	WIAS	Modeling of quantum dot based single-photon LEDs on a device level
15:00	**coffee break**		
15:30	D. Schulz	TU Dortmund	Electromagnetic time-domain simulation of photonic devices: Concept to enable larger time steps for explicit methods
15:50	I. Allayarov	U Stuttgart	Efficient calculation of electromagnetic fields in the finite-difference modal method with adaptive coordinates
16:10	X. Garcia Santiago	KIT	Quantifying electromagnetic chirality of metasurfaces with a restricted measure
16:30	K. Jäger	HZB	Accurately simulating perodic nanotextures: the role of a thick glass substrate

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