

Monday, 20. June 2011

08:55	H. P. Gunnlaugsson, Welcome <i>Energy and semiconductors and interactions with light (I), chairman; A. N. Larsen</i>
09:00	Antonio Marti, Progress in intermediate band solar cell research
09:40	Erik Stensrud Marstein, Light trapping in very thin crystalline silicon solar cells
10:20	Coffee break <i>Fundamental physics and ZnO (I), chairman; A. Marti</i>
10:50	Christian Uhrenfeldt, Near-infrared-ultraviolet absorption cross sections for Ge nanocrystals embedded in SiO ₂ thin films
11:30	V. Quemener, Electrical investigation of hydrothermally grown ZnO by DLTS
11:50	Chi kwong Tang, Pd Schottky contact on ZnO: Characterization and simulation
12:10	Lunch <i>Fundamental physics and ZnO (II), chairman; H. P. Gunnlaugsson</i>
13:40	Ulrich Wahl, Emission channeling lattice location experiments in semiconductors
14:20	D. Seghier, Ferromagnetism and point defects in cobalt-doped ZnO
14:40	T. E. Mølholt, Paramagnetism of Fe ³⁺ in ⁵⁷ Mn ⁺ implanted ZnO
15:00	Coffee break
15:30	Poster session
19:00	Dinner

Tuesday, 21. June 2011

	<i>Fundamental physics and defects, chairman; U. Wahl</i>
09:00	J. Slotte, Vacancies, divacancies and vacancy clusters in irradiated Germanium
09:40	Helge Malmbekk, Comparative study of hydrogen related defects in n- and p-type silicon
10:00	L. Vines, Impurity migration in bulk and thin film ZnO
10:20	Coffee break <i>Energy and semiconductors and interactions with light (II), chairman; C. Uhrenfeldt</i>
10:50	Thomas Garm Pedersen, Modeling of plasmon-enhanced solar cells
11:30	V. Khranovskyy, Novel light emitting and light controlled properties of ZnO nanostructures
11:50	Helge Weman, Semiconductor Nanowire Based Solar Cells-A Nordic Top-level Research Initiative
12:10	Lunch
	<i>SiC, chairman; H. Radamson</i>
13:40	M. Syväjärvi, Fluorescent SiC as new material for white LEDs
14:20	Einar Örn Sveinbjörnsson, Passivation of interface traps at the SiO ₂ /4H-SiC interface by alkali ions
15:00	Muhammad Usman, Position dependent traps investigation in 4H-SiC bipolar junction transistors
15:20	Coffee break
15:50	Conference excursion
19:00	Conference dinner
TBD	Fysikshow

Wednesday, 22. June 2011

	<i>Sensors and fabrication, chairman; M. Syväjärvi</i>
09:00	Erik V Thomsen, Sensors everywhere: An Electronic Patch
09:40	Sveinn Ólafsson, High Power Impulse Magnetron Sputtering of TiN and TiO ₂
10:00	Dirch Hjorth Petersen, Micro Hall effect - an emerging semiconductor metrology
10:20	Coffee break <i>Sensors, methods and characterization, chairman; S. Ólafsson</i>
10:50	Henry Radamson, Group IV-based heterostructures for IR detection
11:30	Yiyu Ou, Characterization of donor-acceptor-pair emission in fluorescent 6H-SiC
11:50	Thomas Pedersen, Microreactors for heterogenous catalysis
12:10	Arne Nylandsted Larsen, Closing remarks
12:20	Lunch
14:10	Departure

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