

Dansk Selskab for Medicinsk Fysik, DSMF, Annual Meeting program

Dansk Fysisk Selskab, DSF, Annual Meeting Program

Monday 22/5 2017

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09:15 Registration				Welcome and registration			
09:30	Behandling af CPD point ved Mette Skovhus Thomsen (Fæno)			Welcome and registration			
10:00	DSMF Diagnostics			DSMF Radiation Therapy		DSMF Nuclear	
10:00	Welcome address by Kristoffer Haldrup, President of the Danish Physical Society						
10:15	Plenary, Prof. Dr. Tony Lomax, Accelerator-based particle therapy with protons and ions (Lillebælt)			Plenary, Prof. Dr. Tony Lomax, Accelerator-based particle therapy with protons and ions			
10:30							
10:45							
11:00	Company presentation, Varian (Fæno)			Photonics (Vejlby Strand)		X-ray and Neutron Science I (Gamborg Fjord)	
11:15	Young Physicist DSMF Award (Fæno)			Eshen Skovsen, "Nonlinear optical spectroscopy and imaging"		Niels B. Christensen, "Neutron Diffraction at extreme magnetic fields"	
11:30	DSMF Poster Session			Niels Gregersen, "Quantum Light Sources - A tutorial"		Henriette Hansen, "High-pressure neutron experiments on glass-forming liquids"	
11:45	Fæno Kaly og Teglgårds Bugt					Aine Borger, "Will wide-angle X-ray scattering reveal molecular alignment in molten polystyrene?"	
12:00	Lunch			Lunch		Erik Brok, "LINX - Linking Industry to Neutrons and X-rays"	
12:15						Oleg Ruchaiskiy, TBA	
12:30						Lunch	
12:45							
13:00	Oline Vinter,			Low-dimensional systems (Vejlby Strand)		Teaching and Outreach (Slagten)	
13:15	Automatic patient motion correction in medical scanners, PET and MRI"			Jill Mveit, "Digging up the band structure of buried layers"		X-ray and Neutron Science II (Gamborg Fjord)	
13:30	Fæno)			Thomas Olsen, "Screened Hydrogen Model of Excitons in 2D Materials"		Martin M. Nielsen, "The most powerful X-ray laser in the World - the European XFEL"	
13:45	Coffee			Christine P. Pedersen, "GaAs Quantum Dots in AlGaAs Nanowires"		Lise Sandberg, "Ultrafast dynamics of photo-excited iron complexes"	
14:00	ERFA møde med SIS			Prof. Klaus Schäfers, "Motion correction and the awake mouse" (Fæno)		Mads Laursen, "Breaking Structural Correlations with high-energy TR-WAXS"	
14:15	Gals Klint)			Coffee		Hugh Simons, "Mesoscale symmetry breaking by dislocations in complex metal oxides"	
14:30						Jens Krog, "Bayesian Model Selection and information content model checking"	
14:45	Coffee					Coffee	
15:00	Plenary, Prof. Jens Hesselbjerg, "When climate science meets decision making" (Lillebælt)			Plenary, Prof. Jens Hesselbjerg, "When climate science meets decision making" (Lillebælt)			
15:15							
15:30							
15:45				Solid State Physics (Vejlby Strand)		Astro- and Space Physics (Gamborg Fjord)	
16:00	General Assembly, DSMF (Fæno)			Kristine Niss, "Dynamics of glass-forming Liquids - from picoseconds to kiloseconds"		Darach Watson, "The first Normal Galaxy in the Universe"	
16:15				Ulf Pedersen, "Theory of Thermodynamics of Melting"		Desiree Della Monica, "Mirrors for the Athena X-ray Observatory"	
16:30				Rasmus T. Pedersen, "Decomposition of the Bragg glass in a Type-II superconductor"		Christoph Köhn, "X-ray production by streamer discharges in air"	
16:45				Kasper Grove-Rasmussen, "Sub-gap states in Superconductor-semiconductor nanowires"		Carol Osbrow, "ASIM: Hunting Extreme Lightning from the ISS"	
17:00							
17:15							
17:30				Plenary, Tim Booth, "Just the Right Layers" (Lillebælt)			
17:45							
18:00							
18:15	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner
18:30							
18:45							
19:00							
19:15							
19:30	After-Dinner talk, Prof. Maja Horst, "How to speak on behalf of science in public" (Lillebælt)			After-Dinner talk, Prof. Maja Horst, "How to speak on behalf of science in public" (Lillebælt)			
19:45							
20:00	Posters, socialization, mingling and beer, sponsored by JJ X-ray and Xnovotech (Fæno Kaly og Teglgårds Bugt)			Posters, socialization, mingling and beer, sponsored by JJ X-ray and Xnovotech (Fæno Kaly og Teglgårds Bugt)			
20:15	http://www.jjxray.dk/			http://www.jjxray.dk/			
20:30	http://xnovotech.com/			http://xnovotech.com/			
20:45							
21:00	Prizes for best DFS posters: 2000 kroner to the winner, 1000 kroner to the runner-up!			Prizes for best DFS posters: 2000 kroner to the winner, 1000 kroner to the runner-up!			
22:00	PLUS an invitation to write an article for KVANT magazine.			PLUS an invitation to write an article for KVANT magazine.			
23:00							

Invited DFS talks (italics) are 25+5 minutes

Contributed DFS talks are 12+3 minutes

The official language of the science part of the meeting is English

First speaker of a session acts as chair for that session; 2nd speaker acts as chair for first speaker

Full program with complete talk titles can be found at <http://dfs.nbi.dk/aarmsmoeder/2017/aarmsmoede.php>

Tuesday 23/5 2017

	Breakfast	Breakfast	Breakfast
09:00	Plenary, Chris Kouvaris, "Dark Matter: From Stars to Detectors"		
09:15	(Lillebælt)		
09:30			
09:45	Energy Materials (Lillebælt)	KIF (Fænø Kalv)	Workshop 1, Quantum Rascals particle detector
10:00	Jakob Kibsgaard, "Sulphide- and phosphor-based Active Catalysts for sustainable hydrogen production"	Stefania Xella "The fascinating world of elementary particles"	Maike Ellegaard (Teglgårds Bugt)
10:15	Jesper Rasmussen, "The DTU Fusor - fusion power at your fingertips"	Sandra Raimundo "Feeding supermassive black holes in the centre of galaxies"	
10:30	Joanna Symonowicz, "CZTS nanoparticles for thin-film solar cells"		
10:45	Rebecca Etlinger, "High-energy deposition methods for CZTS and CTS solar cells"		
11:00	Coffee	Coffee	Coffee
11:15			
11:30	DFS General assembly and presenter awards		
11:45	(Lillebælt)		
12:00			
12:15	Lunch	Lunch	Lunch
12:30			
12:45			
13:00			
13:15	Plenary, Liv Hornekær, From Interstellar Catalysis to New Nano-materials		
13:30	(Lillebælt)		
13:45			
14:00	Biophysics (Lillebælt)	KIF (Fænø Kalv)	Workshop 2, rasPI particle detector
14:15	Iliia Solov'yov, "VIKING - a computational microscope for biophysical applications"	Kristin Kaltenhäuser "Inclusive Physics Teaching"	Jari Hjøllum (Teglgårds Bugt)
14:30	Claus Nielsen, "An electron transfer study of protein radicals"	Followed by a general discussion on gender inclusive physics teaching and a gender inclusive academic environment.	
14:45	Ida Friis, "How fast is DNA repair?"		
15:00	John Ipsen, "Shape and in-plane order of the biomembrane"		
15:15	Coffee and goodbyes	Coffee and goodbyes	Coffee and goodbyes