

MIICS 2012

Seminar Programme - Updated 13. March

start	Wednesday, March 14th		
7:30	Bus transportation to seminar venue (Mikpoli auditorium) from Hotel Cumulus, 07:45 from Hotel Vaakuna		
8:00	Registration		
OPENING OF THE SEMINAR (08:30 - 08:55)			
8:30	Prof. David Cameron, Lappeenranta University of Technology		
8:35	Soile Kuitunen, Development Director, City of Mikkeli		
8:40	Heikki Saastamoinen, Rector, Mikkeli University of Applied Sciences		
8:45	Juha Kauppinen, Miktech Ltd.		
8:50	Jari Varjotie, CEO, Savo-Solar Ltd.		
SESSION 1 Opening lecture (09:00 - 09:40)			
Chairman: David Cameron			
9:00	Friction and wear control by coatings		Dr. Kenneth Holmberg, VTT
9:40	<i>Coffee</i>		
SESSION 2 Solutions in machine building (10:10 - 11:50)			
Chairman: Martti Kempainen			
10:10	2.1 Measurement of Oil-film Pressure and Strain Distribution in Engines and Machine Element Components using Thin-film Sensor		Prof. Yuji Mihara, Tokyo City University
10:35	2.2 Fimecc's Demanding applications call for robust coatings		Dr. Markku Heino, Spinverse Consulting Ltd.
11:00	2.3 FICANet – Marketplace for Coating and Anti-corrosion Know-how		Rainer Jakobsson, Innopark Ltd.
11:25	2.5 Coatings with carbon nano material		Prof. Jari Koskinen, Aalto University
11:50	<i>Lunch</i>		
12:35	Company presentation: Picosun		
12:50	Company presentation: Roth & Rau		
SESSION 3 Coatings on flexible substrates (13:05 - 14:45)			
Chairman: David Cameron			
13:05	3.1 Printed electronics on paper		Prof. Martti Toivakka, Åbo Academy
13:30	3.2 Barrier layers on paper-based packaging		Dr. Kimmo Lahtinen, Lappeenranta Univ. of Tech.
13:55	3.3 Plasma-Nano Process for Design and Synthesis of Functional Films on polymer for Emerging Industries		Prof. Jeon Han, SungKyung Kwan University
14:20	3.4 Coatings and their applications in textiles.		Dr. Guy Buyle, Centexbel
14:45	<i>Coffee</i>		
SESSION 4 Sensors and nanotechnology (15:15 - 16:30)			
Chairman: Juha Kauppinen			
15:15	4.1 Status and potential of Finnish Nanotechnology		Dr. Eeva Viinikka, Culminatium Ltd.
15:40	4.2 Coatings in printed sensors		Prof. Tapio Fabritius, University of Oulu
16:05	4.3 Structural characterization of thin films and coatings by X-ray scattering methods		Lars Khoshroo, PANalytical Ltd.
16:30	Bus transportation back to hotels		
EVENING PROGRAM			
18:15	Bus transportation to Tertti Manor (seminar dinner)		
21:30	Bus transportation back to hotels		
start	Thursday, March 15th		
8:00	Bus transportation to seminar venue (Mikpoli auditorium) from Hotel Cumulus, 08:15 from Hotel Vaakuna		
SESSION 5 Industrialisation of Atomic Layer Deposition (08:30 - 10:10)			
Chairman: Juha Kauppinen			
8:30	5.1 Fast-ALD - an atmospheric ALD process		Dr. Paul Poodt, TNO
8:55	5.2 In-line atmospheric pressure ALD		Dr. Vladimir Kuznetsov, Levitech
9:20	5.3 Industrial ALD systems		Dr. Mikko Söderlund, Beneq Ltd.
9:45	5.4 Development of roll-to-roll atomic layer deposition		Prof. David Cameron, Lappeenranta Univ. of Tech.
10:10	<i>Coffee</i>		
SESSION 6 Solar thermal applications (10:40 - 11:55)			
Chairman: David Cameron			
10:40	6.1 Testing of materials for solar exposure		Vesa Erkkilä, Solar Simulator Ltd.
11:05	6.2 High temperature coatings for concentrated collectors		Dr. Martin Andritschky, Savo-Solar Ltd.
11:30	6.3 Coatings for solar thermal collectors		Aki Matilainen, Savo-Solar Ltd.
11:55	<i>Lunch</i>		
12:55	Company presentation: Neoplas		
SESSION 7 Solar thermal systems (13:10 - 16:55)			
Chairman: Kaj Pischow			
13:10	7.1 Solar thermal development in the world		Prof. Jan Olof Dalenbäck, Chalmers University
13:35	7.2 Sitra's energy programme		Sami Tuhkanen, SITRA
14:00	7.3. Big installations around the world		Christian Holter, S.O.L.I.D.
14:25	<i>Coffee</i>		
14:50	7.4 Solar District heating: why is Denmark leading		Jan Erik Nielsen, PlanEnergy Denmark
15:15	7.5 Solar District Heating in Germany		Manfred Reuss, ZAE Bayern
15:40	7.6 District heating system in Finland		Mikko Ruotsalainen, Porvoon Energia
16:05	7.7 Flat-plate collectors - State-of-the-Art and Trends		Sebastian Brandmayr, Hochschule Ingolstadt
16:30	7.8 Full AI district heating		Jari Varjotie, Savo-Solar Ltd.
17:00	Bus transportation back to hotels		
EVENING PROGRAM			
18:00	Mikkeli City reception at Mikkeli City Hall		
19:30	Evening get together at Gastropub Eino		
start	Friday, March 16th		
9:00	Bus transportation to Anttolanhovi from Hotel Cumulus, 09:15 from hotel Vaakuna		
10:00	Arrival at Anttolanhovi		
10:30	Outdoor activities: Ice fishing, winter olympics and snow mobiles		
12:30	<i>Lunch</i>		
13:00	Smoke sauna		
16:00	<i>Dinner</i>		
18:00	Bus back Mikkeli Train Station and after dropping passengers, back to hotels		