

“Processing technologies and functional properties of polymer nanomaterials for food packaging”

Wrocław, POLAND, September 11-12 2012
venue: Hotel Tumski

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September 11		WG2 - Development of new processing technologies including modelling and simulation	
10:00	10:55	Registration	Chair: prof. Alex Sivan
11:00	11:10	Welcome & Introduction	prof. Marek Kozłowski
11:10	11:25	Keynote Speech	prof. Clara Silvestre
11:25	11:50	Electrospinning and Electro spraying Processing Nanotechnologies: From the Lab into Industrial Applications	prof. Jose Maria Lagaron
11:50	12:15	Electrospinning of Functional Nanofibers/Nanowebes for Food Packaging Applications	prof. Tamer Uyar
12:15	12:40	Material Functions of Polymer Blends with Flow Induced Microstructures	prof. Frederika Popovska-Pavlovska
12:40	13:05	Linear Viscoelastic Behaviour/Morphology/Flow Conditions Relationships for Partially Miscible Polymer Blends	M.Sc. Aneta Vasiljevik Sikaleska
13:05	14:35	Lunch	Chair: prof. Jose Maria Lagaron
14:35	15:00	Use of Nanotechnology to Develop a Novel Oxygen Scavenging Film	dr Selcuk Yildirim
15:00	15:25	Polymer Films Barrier Properties by Surface Nanostructuration	prof. Giovanni Camino
15:25	15:50	Use of Nano-Enhancers to Control Morphology and Hence Permeability in Food Packaging	prof. Geoffrey Mitchell
15:50	16:15	Hybrid Organic Nanoparticles for Functional Coating Applications	prof. Gustav Schoukens
16:15	16:30	Coffee Break	Chair: prof. Marit Kvalvag Pettersen
16:30	16:55	Nanomechanical Properties of Bi-layered Polymer Systems	dr Karol Leluk
16:55	17:20	Nanomechanical Properties and Profiling of Different Materials Using Nanoindentation Tester Equipped with AFM	dr Evgeni Ivanov
17:20	17:45	Development of the Biostatic Paper Based Material	doc. Tomasz Łojewski
17:45	18:10	Possibilities of implementation of nanomaterials into paper and board for food packaging application	dr Patrycja Sumińska

18:15	19:15	Poster Session	
		Study on Tribological Properties of Maleinated PP/MWCNT Nanocomposites	M.Sc. Verislav Angelov
		Accelerated Ageing of Modified Recycled LDPE/PP Blends from Technological and Postconsumer Packaging	M.Sc. Irena Borovanska
		Electrospraying/Electrospinning of the Chitosan/Vitamin E Formulations onto Various Substrates	dr Bogdanel Silvestru Munteanu
		Improvement of Barrier Properties of Polymeric Foils by Plasma Polymerization	M.Sc. Oleksandr Polonskyi
		Barrier Properties of PLA/Silica Nanomaterials for Food Packaging	M.Sc. Tanja Radusin
		Investigation Micromechanism of Deformation of iPP/MWCNT Nanocomposites Based on Tensile Experiments and Digital Image Correlation	M.Sc. Yuliy Tsvetanov Tsekov
		iPP/MWCNT Nanocomposites: Rheological, Thermal and Nanomechanical Properties	
20:00		Workshop Dinner	
September 12			
		WG3 - development of new strategies to identify any critical interaction of PNPF with food	Chair: prof. Clara Silvestre
09:00	09:25	Food Safety and Quality - New Packaging Solutions	prof. Marit Kvalvag Pettersen
09:25	09:50	Evaluation of the Potential Risks of Release of Nano-Particles into Environment	dr Ignacy Jakubowicz
09:50	10:15	Valinin Aroma Release from Various Matrices	prof. Cornelia Vasile
10:15	10:40	Influence of silica nanoparticles on the mechanical and barrier properties of neat PLA	M.Sc. Tanja Radusin
10:40	10:55	Coffee Break	Chair: prof. Frederika Popovska-Pavlovska
10:55	11:20	Extracellular DNA plays an important structural role in the biofilm of the plastic degrading actinomycete <i>Rhodococcus ruber</i>	prof. Alex Sivan
11:20	11:45	Covalent Functionalization of PE Surface with Bioactive Components Designed for Food Contact Application	M.Sc. Elena Paslaru
11:45	12:10	Anti Bacterial PVC composites	M. Sc. Marlena Kwiatkowska
12:10	12:15	Meeting Closing	prof. Marek Kozłowski
12:15	13:45	Lunch	