

Martin Luther University Halle-Wittenberg  
Center of Engineering Sciences  
*Polymer Engineering*  
Prof. Dr.-Ing. H.-J. Radusch

Offer of Master's Thesis Topics  
for  
Applied Polymer Science Students

<b>No.</b>	<b>Topic</b>	<b>Supervisor</b>	<b>Student</b>	<b>Status</b>
40	Stress relaxation behavior of nanocomposites on the basis of nanoclay and TPV	Dr. Le		available
46	Experimental determination of the bond strength for large area TPE-PP compounds manufactured by injection moulding	Dr. Kies		available
47	Experimental determination of the influence of the flow channel height on fiber orientation in injection moulding of reinforced polymers	Dr. Kies		available
51	Viscoelastic behavior of biodegradable polymer blends	DI Hähndel		available
52	Processing and ageing behavior of poly hydroxy butyrate under consideration of shear and thermal load	DI Hähndel		available
55	Modified polymers for selective LASER sintering: Influence of processing parameters on the properties of polymer blends	Dr. Fiedler		available
61	External plasticization and melt extrusion of PHB	DI Hähndel	Jaime Parodi	in process
62	Experimental investigation of residence time distribution and homogenization of a co-rotating twin screw extruder with starved feeding	Dr. Fiedler		available
63	Generation and investigation of thermal-mechanical properties of polyethylene blends with multiple thermal induced shape memory behavior	Dr. Kolesov		available
64	Stress relaxation of programmed shape memory materials on the basis of ethylene-1-octene copolymers depending on temperature	Dr. Kolesov		available
65	Analysis of the Carbon Nano Tube (CNT)-Dispersion in Polycarbonate	Dr. Le / Dr. Ilisch		available
66	Analysis of the Carbon Nano Tube (CNT)-Dispersion in PC/ABS-Blends	Dr. Le / Dr. Ilisch		available
67	Viscoelastic Properties of Hot Melt Adhesives	Dr. Kolesov	T. Abboud	in process
68	Electrical conductance of carbon nanotubes (CNT) – polycarbonate (PC) composites in dependence on the CNT-orientation	DI Oswald, Dr. Le, Dr. Ilisch		new
69	Electrical properties and morphology of carbon nanotubes filled PC/ABS blends	DI Oswald, Dr. Le, Dr. Ilisch		new
70	Stress relaxation behaviour of nanoclay filled thermoplastic elastomers (TPV)	Dr. Le		new
71	Characterization of the electrical conductivity of nanoclay filled polymers	MSc Ali, Dr. Le		new
72	Structure and structure formation of statistical copolymers of isotactic propylene with butene-1 and ethylene.	Dr. Androsch		new

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