

EUROMAT 2017/ Symposia Structure/Area A

A.3	Title: Functional Polymers and Related (Nano)Composites		
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Summary			
<p>The objective of the Symposium is to gather scientists and engineers from both academia and industry for discussing and exchanging their current RD&I activities in the field of functional polymers and (nano)composite materials and their applications. The conference program will feature lectures by expert invited speakers to be announced soon. We encourage participants to present their current research work as oral communications or posters in one of the topics of the program.</p> <p>Targeted topics:</p> <ul style="list-style-type: none"> - New trends in controlled polymer synthesis and chemical functionalization - Applications as smart polymer materials incl. shape-memory polymers/(nano)composites, self-healing polymeric materials, smart hydrogels, self-responsive (nano)coatings - Polymer materials from renewable resources: bio-based polymers and composites, biodegradable polymers - Functionalized (filled) rubbers and elastomers - Functional polymers in additive manufacturing (3D printing) - Functional nanocomposites and nanohybrids, - Compatibilization of functional polymer blends - Advanced processing and characterization techniques for functional polymeric materials 			