

EUROMAT 2017/ Symposia Structure/Area B

B.2	Title: Light Weight Metals		
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	Summary		
	<p>This symposium aims to bring together both fundamental and applied research in the area of light metals (including aluminum, magnesium and titanium alloys) and low-density metallic materials (including but not limited to metal matrix composites, bulk metallic glasses and high-entropy alloys). The goal of the symposium is to stimulate dialog and discussion among leading professionals and emerging leaders on the present and future of light weight alloys. Submissions in the areas of basic research to industrially and technological relevant applied research are welcome. Contributions from both theoretical and experimental research efforts are encouraged.</p> <p>This symposium will cover, but is not limited to, the following range of topics:</p> <ol style="list-style-type: none"> 1) Alloy design and material development 2) Advanced processing and manufacturing 3) Novel testing and characterization methods 4) Modeling and simulation 5) Next generation and emerging applications 6) Challenges in sustainability and wide-spread Integration 7) Behavior under extreme conditions 		