

EUROMAT 2019 / Area B: Structural Materials

SYMPOSIUM: B2

Title: Light Weight Metals		
Organizer	Institution	Contact email
Michele Manuel	University of Florida	mmanuel@mse.ufl.edu
Norbert Hort	Helmholtz-Zentrum Geesthacht	norbert.hort@hzg.de
Alan Luo	Ohio State University	luo.445@osu.edu
Abstract		
<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 development2) Advanced processing and manufacturing3) Novel testing and characterization methods4) Modeling and simulation5) Next generation and emerging applications6) Challenges in sustainability and wide-spread Integration7) Behavior under extreme conditions		