

EUROMAT 2017/ Symposia Structure/Area B

<b>B.8</b>	<b>Title:</b> High Entropy Alloys and Compositionally Complex Alloys		
	<b>Organizer</b>	<b>Institution</b>	<b>Contact email</b>
	Uwe Glatzel	Metals and Alloys, University Bayreuth, Germany	<a href="mailto:uwe.glatzel@uni-bayreuth.de">uwe.glatzel@uni-bayreuth.de</a>
	Easo George	Materials Design, Ruhr-University Bochum	<a href="mailto:easo.george@ruhr-uni-bochum.de">easo.george@ruhr-uni-bochum.de</a>
<b>Summary</b>			
<p>Recent developments in high-entropy alloys (HEA) with single-phase microstructures and compositionally complex alloys (CCA) with multi-phase microstructures will be considered. In both cases the alloys should consist of several elements (in general &gt; 4) with none of the elements dominating the composition with respect to atomic fraction. Special care should be taken in describing the preparation and heat treatment of samples examined. All kinds of materials properties are of interest, with emphasis on mechanical behavior, diffusional effects, dislocation morphology and behavior. Microstructure characterizations on all length scales are welcome. Papers dealing with the identification or repudiation of salient features and properties, ascribable mainly to high entropy, are especially welcome.</p>			