

EUROMAT 2019 / Area C: Processing

SYMPOSIUM: C7

Title: Solidification, Casting, Foundry and Liquid Metal Processing		
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Abstract		
<p>The aim of the symposium is to present the latest scientific and technological advances related to the field of solidification and casting phenomena along with their technological implementation in the foundry industry.</p> <p>Cast metals property and microstructural characterization, liquid metal state physicochemical characteristics and process parameter evaluation and simulation, consist the core the symposium upon which (but not limited) the following topics can be addressed:</p> <ul style="list-style-type: none">• Physicochemical properties of liquid metals• Production of porous metals and alloys (metallic foams) by liquid metallurgy• Casting and solidification of metals and alloys: microstructure and property assessment• Modelling of solidification, casting and foundry processing• Liquid metal/slag/refractory reactivity		