



SUBMIT AN ABSTRACT BY JULY 1

FEBRUARY 27-MARCH 3, 2022
ANAHEIM CONVENTION CENTER & ANAHEIM MARRIOTT
ANAHEIM, CALIFORNIA, USA
#TMSAnnualMeeting

SUBMIT AN ABSTRACT FOR THE FOLLOWING TMS2022 SYMPOSIUM:

ADVANCED MATERIALS

Bulk Metallic Glasses XIX

Suppressing crystallization of metallic melts leads to the formation of metals that lack long-range order. Major advances in the fundamental understanding of glass formation and alloy design have promoted the development of so-called bulk metallic glasses, with critical casting thicknesses of several centimeters. These novel bulk metals possess a range of advantageous mechanical and functional properties, but a complete understanding of how structure relates to properties is still lacking. This symposium is a platform to discuss the recent progress made in processing, manufacturing, structure, and properties.

The Bulk Metallic Glass symposium brings together a broad range of materials researchers for a technical exchange and a discussion of the scientific issues driving research in this field. The topics of interest to this symposium include, but are not limited to, the following:

- Glass-forming ability and the glass transition
- Atomic structure
- Alloy development
- Novel processing methods
- Novel manufacturing approaches
- Mechanical and physical properties
- Homogeneous and inhomogeneous deformation
- Atomistic simulations
- Modelling and theory of fundamentals

The symposium will emphasize experimental, computational, and theoretical aspects of the development, processing, and properties of metallic glasses.

ORGANIZERS

Robert Maass, Federal Institute for Materials Research and Testing (BAM)

Peter Derlet, Pauls Scherrer Institut

Katharine M. Flores, Washington University in St. Louis

Yonghao Sun, Chinese Academy of Sciences

Lindsay Greer, University of Cambridge

Peter K. Liaw, University of Tennessee

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