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## **ADVANCED MATERIALS**

# **BULK METALLIC GLASSES XVIII**

Bridge gap between theoretical developments and industrial applications of BMGs Recently, novel fabrication methods have led to the production of metallic glass specimens with sizes on the order of 8 cm, which are aptly called bulk metallic glasses (BMGs). Importantly, BMGs could possess high fracture strengths, great fracture toughness and elasticity, and have the near-net-shaping fabrication potential. As such, there is a great interest in the industrial and additive manufacturing applications of BMGs with regards to mechanical, structural, and biomedical properties.

Some of the important topics to be explored:

1. Essential links among theory, modeling, and experimental methods
2. Applications of amorphous alloy catalysts in industry
3. Additive manufacturing and three dimensional (3-D) printing techniques
4. Nanoglasses and other composite bulk amorphous alloy nanostructures
5. Bio-applications of BMGs
6. Mechanical, corrosion, magnetic, electric, and thermal behavior
7. Other industrial applications

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**Questions?**  
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