

International Workshop  
“Structural Features and Related Properties of Amorphous Alloys with High Defect/Interface  
Density”  
30 July 2019

Program

- 10:00 – 10:10 Welcome Address
- 10:10 – 10:40 **Horst Hahn** “Nanoglasses and Cluster-Assembled Metallic Glasses: Some Results and Future Prospects”
- 10:40 – 11:00 **Julia Ivanisenko** “Microstructure and Mechanical Behaviour of ZrCu Nanoglass”
- 11:00 – 11:20 **Ruslan Valiev** “Novel Effects in Amorphous Alloys Subjected to HPT”
- 11:20 – 11:40 **Leonardo Velasco Estrada** “Shear Band Characterization on Bulk Metallic Glasses After HPT by Using TEM and APT”
- 11:40 – 12:00 **Askar Kilmametov** “Density Measurements of Metallic Glass Solids Using a New Technique for Small Weight Samples”
- 12:00 – 12:20 **Dmitri Gunderov** “BMG Vit105 Processed by HPT: SEM Observations of Shear Bands, X-ray Studies and the Three-Point Bending Tests”
- 12:30 – 14:00 Lunch
- 14:00 – 14:20 **Vasily Astanin** “Use of AFM for Analysis of the Shear Bands in HPT-Processed Vit105 BMG”
- 14:20 – 14:40 **Andrey Bazlov** “Phase Separation in Amorphous Zr<sub>62.5</sub>Cu<sub>22.5</sub>Fe<sub>6</sub>Al<sub>10</sub> Alloy During Thermal Deformation Processing”
- 14:40 – 15:00 **Evgeniy Boltynjuk** “Analysis of Strain Rate Sensitivity of Metallic Glasses Subjected to HPT Processing”
- 15:00 – 15:20 **Gleb Iankevich** “Cluster Ion Beam Deposition: Synthesis of Cluster-Assembled Metallic Glasses”
- 15:20 – 15:40 **Nikita Kazarinov** “Solid Particle Erosion Testing. Perspectives to Studies of Amorphous Materials”
- 15:40 – 16:10 Posters and Coffee Break
- 16:10 – 18:00 General Discussion and Summary

Posters

- **Yuriy Mitrofanov** “Shear Modulus Controlled Heat Release and Absorption upon Structural Relaxation and Crystallization of Metallic Glass”
- **Evgeniy Ubyivovk** “TEM Studies of Amorphous Alloys After HPT”
- **Diana Khalikova** “Non-Uniformity of Microhardness Distribution in the BMG Vit105 Prior to and After HPT Processing”
- **Dmitri Gunderov** “Three-Point Bending Tests of the Vit105 BMG Processed by HPT”