

ST. PETERSBURG STATE UNIVERSITY
LABORATORY FOR MECHANICS OF ADVANCED BULK NANOMATERIALS FOR INNOVATIVE
ENGINEERING APPLICATIONS

INTERNATIONAL WORKSHOP
“RECENT ADVANCES IN NANOSPD MATERIALS”
24 AUGUST 2018

SCIENTIFIC PROGRAM

10.00-10.15 OPENING, RUSLAN VALIEV (St. Petersburg State University, Ufa State Aviation Technical University, Russia)

“The Laboratory for Mechanics of Advanced Bulk Nanomaterials: Overview of Activity”

10.15-10.45 WERNER SKROTZKI (Dresden University of Technology, Germany)

“Textures of High-Entropy Alloy CrMnFeCoNi”

10.45-11.15 TERENCE LANGDON (University of Southampton, UK)

“Establishing the Characteristics of Superplasticity in Ultrafine-Grained Materials”

11.15-11.25 ASKAR KILMAMETOV (Karlsruhe Institute of Technology, Germany)

“SPD-Induced Mechanical Alloying of Cantor Type High-Entropy Alloy”

11.25-11.55 COFFEE-BREAK, POSTER SESSION

11.55-12.25 MEGUMI KAWASAKI (Oregon State University, USA)

“Improvement of Micromechanical Properties in Ultrafine-Grained Materials”

12.25-12.55 NARIMAN ENIKEEV (St. Petersburg State University, Ufa State Aviation Technical University, Russia)

“Irradiation Resistance of UFG Steels Produced by SPD”

12.55-13.25 ANNA CHURAKOVA (St. Petersburg State University, Ufa State Aviation Technical University, Russia)

“Microstructure Modification in Amorphous Alloys by High Pressure Torsion”

13.25-13.55 EXCURSION TO THE LABORATORY

14.15-15.30 LUNCH

POSTER SESSION

- ELENA BOBRUK (St. Petersburg State University, Ufa State Aviation Technical University, Russia)
“Microstructure of Aluminium Al-Zn and Al-Zn-Mg-Cu Alloys After High Pressure Torsion”
- EVGENIY BOLTYNJUK (St. Petersburg State University, Russia)
“Multiple Shear Bands in Zr-Based Bulk Metallic Glass Processed by Severe Plastic Deformation”
- YUNXIANG TONG, LI LI, JUN YANG, ZHEPING YAN, WEI XUE (Harbin Engineering University, China)
“Microstructure, Martensitic Transformation and Shape Recovery Properties of TiNiNb Processed by ECAP”