

# Preface

## Conference Nanophysics and Nanomaterials NaN-2020

The Conference Nanophysics and Nanomaterials was held in St. Petersburg, Russia, on 25-26 November 2020. NaN-2020 was organized by St. Petersburg Mining University, one of the most famous and the oldest technical university in Russia. The history of Mining University dates back to 1773, and today it is an Eastern Europe leading academic institution in such fields of engineering as mineralogy, mining, and geology.

The conference on Nanophysics and Nanomaterials is the newly established scientific event that is specifically dedicated to the discussion of novel approaches in material science and geoscience. A solid number of quality studies in nanophysics were presented at NaN-2020, highlighting various materials and technologies for the mechanical and mining engineering industries.

The conference topics include:

- Nanopowders and nanostructured materials
- Applied nanotechnologies
- Advances in nanophysics
- Advances in metal works

All the papers submitted to the conference were evaluated by the editors and reviewed by three external referees. Only the most valuable manuscripts were selected for publishing. They present significant results that would be of interest to academics who expertise in materials science and geoscience. The results introduced in the papers are practically applicable and should be helpful for mechanical engineers and mining equipment designers.

We hope that you find this book useful!

**With the best regards,**  
*Editorial Board*