

## PREFACE

It is well known that all properties of materials begin to deviate from their bulk values when characteristic sample dimensions diminish. This effect becomes the most pronounced in the region of nanoscale, i.e. when characteristic size is of the order of nanometers. Present topical issue of the "Materials Physics and Mechanics" journal is devoted to the analysis of physical and mechanical properties of Nanostructured Materials. Articles discuss the current understanding of grain boundary role in the formation of material properties in case of nanograins, the growth of nanoclusters and the fabrication of nanoscale layered structures. The main emphasis is placed on the investigation of physical mechanisms underlying the structure-properties relationship in Nanostructured Materials.

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