

Minisymposium Title

Properties Variation on Nano/Micro Scale Fluid Field

Description

Development in micro-fabrication technologies has enabled a variety of applications. Properties variation in nano/micro scale region plays a critical role for fluid precisely controlling or modeling which hold great promise to extensive applications such as MEMS (Microelectromechanical Systems), biomechanical and aerospace industries. This minisymposium aims to discuss the state-of-the-art in experimental investigation and the numerical modeling for the fluid properties in nano/micro scale region in which the continuum theories may valid or deviated. The effects of essential properties such as phase transformation, electromagnetic field strength, pressure, temperature and density on fluid field in nano/micro scale are to be dealt with as well.

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