



Einladung zum Vortrag von

Prof. Dr. George Kaptay
Universität Miskolc, Ungarn

**„On the extension of the Calphad method to
nano-systems”**

In this talk different aspects to calculate phase equilibria in nano-systems are discussed. A special emphasis is given to the following questions: i. the phase rule of Gibbs extended to nano-systems and its consequences, ii. the chemical potential of components in nano-phases, iii. the concentration dependence of the surface tension / interfacial energy, as the key parameter of the chemical potential of components in nano-phases, iv. surface (and interface) phase transition = spontaneous formation of nano-layers on/within bulk phases, v. stabilization of polycrystals made of nano-sized grains, vi. heat of mixing of nano-particles...

Dienstag, 23. Mai 2017, 12:00 Uhr
Kleiner Hörsaal 4
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