

Open class

Mars 20, 2018

Meeting room of UFR of Chemistry, Building C8 - First floor
14h

Prof. Toshiyuki TAKAMUKU
Saga, Japan

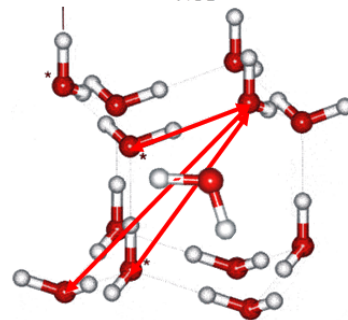
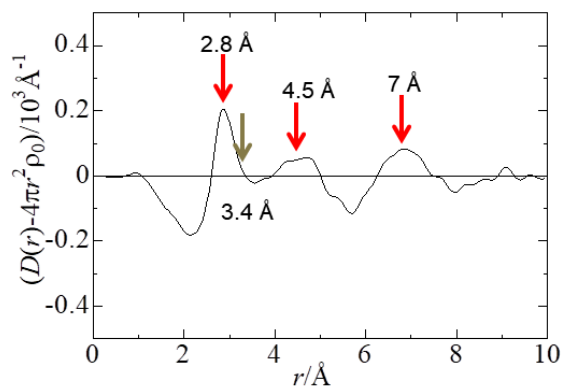


Observation of Interactions in Liquids and Solutions on Microscopic Scale: X-Ray, Neutron and NMR

Course contents:

- The principles of X-Ray , Neutrons and NMR.
- Applications on Mixtures of Molecular Liquids

X-ray Radial Distribution Function of Pure Water



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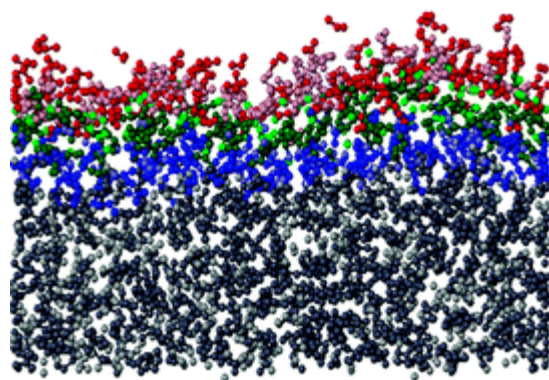
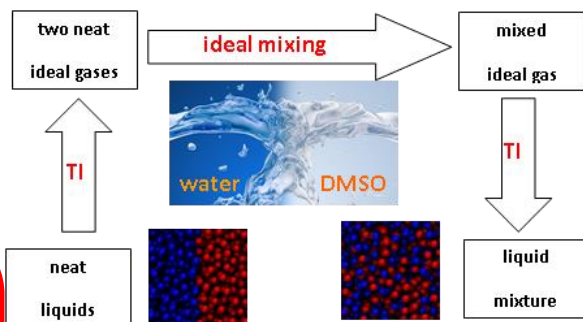
Meeting room of UFR of Chemistry, Building C8 - First floor,
15h45

Prof. Pál JEDLOVSZKY , Eger , Hungary

Free Energy Computing Methods

Course contents:

- the principles of Monte Carlo Simulation in Various ensemble
- Free Energy Methods



Open class

April 18-20, 2018

Meeting room of UFR of Chemistry, Building C8 - First floor,
14h

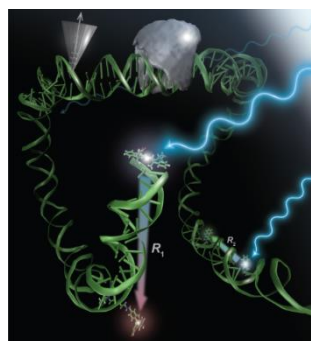
Prof. Marcus Wilhelmsson, Göteborg, SWEDEN

CHALMERS
UNIVERSITY OF TECHNOLOGY

Fluorescence and Fluorophores in DNA- and RNA-systems From Theory to Biological Applications

Course contents:

- the principles of fluorescence;
- fluorophore modification of DNA/RNA;
- applying fluorescence in DNA/RNA;
- using FRET for DNA/RNA-structures.



Energy transfer modified by change of distance and orientation between B and Z-DNA

