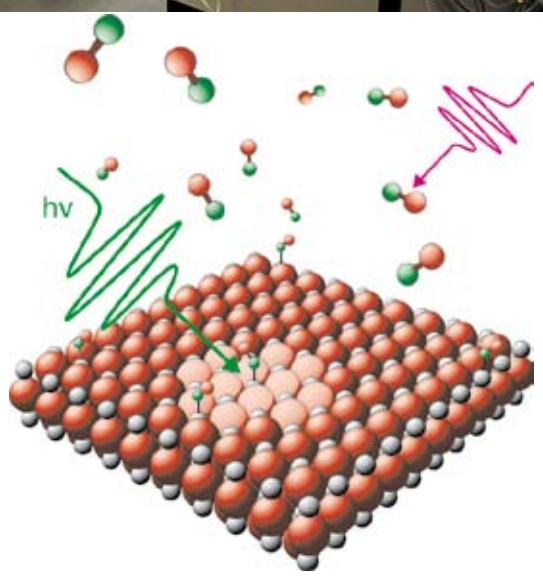
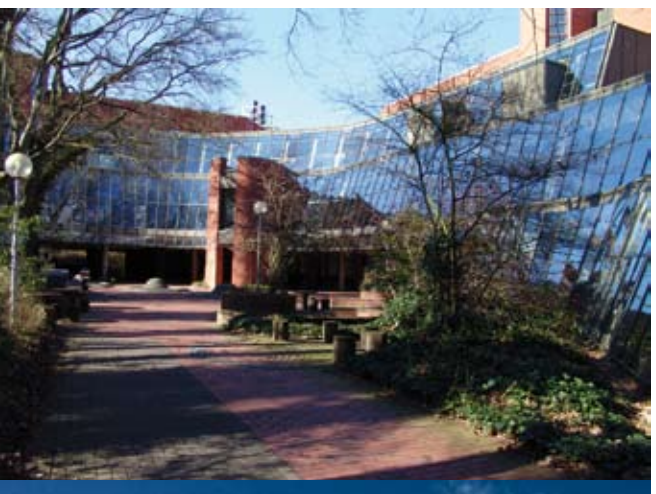
CARL VON OSSIETZKY universität OLDENBURG

Summer School

August 16 – 28, 2009, University of Oldenburg, Germany

MODERN COMPUTATIONAL SCIENCE





Fundamentals:
programming, algorithms, differential equations, data analysis, software engineering

Computational Fluid Dynamics:
wind energy, sediment dynamics

Quantum Chemistry:
ab initio and density functional theory, surface photochemistry

Simulations in Statistical Physics:
Monte Carlo methods, disordered systems, random processes

Modelling of Biological Systems:
ecosystems, evolutionary biology, neurobiology

Engineering Applications:
hybrid systems, signal processing

for advanced (including PhD) students
in Biology, Chemistry, Computer Science, Mathematics, and Physics

www.mcs.uni-oldenburg.de
mcs@uni-oldenburg.de

Fee (incl. accommodation, breakfast, dinner and workshop material):
100 EUR (supported students)

Organisation
Prof. Dr. A. K. Hartmann
Dr. Reinhard Leidl
University of Oldenburg