



LUDWIG-
MAXIMILIANS-
UNIVERSITÄT
MÜNCHEN

ARNOLD SOMMERFELD

CENTER FOR THEORETICAL PHYSICS



Arnold Sommerfeld Lecture Series

Professor Peter Zoller

Innsbruck University, Austria

Condensed Matter Theory Seminar: Condensed Matter Physics with Cold Atoms and Molecules

We discuss recent developments on the interface between condensed matter physics of strongly correlated systems and physics of cold atoms and molecules. Topics to be discussed include (i) engineered coherent and dissipative many body dynamics, (ii) preparation of many body ground and excited states by adiabatic techniques, and (iii) theory of continuous in-situ measurement of atomic densities and currents.

Friday, 29th January 2010, 10:15 h, Room 348 / 349, Theresienstr. 37, LMU