



LUDWIG-
MAXIMILIANS-
UNIVERSITÄT
MÜNCHEN

ARNOLD SOMMERFELD
CENTER FOR THEORETICAL PHYSICS



Sommerfeld Theory Colloquium

Prof. Peter West

King's College London

**The role of symmetry in a unified,
consistent theory of Physics**

I will review the crucial role symmetry plays in the unification of the electromagnetic, nuclear weak and nuclear strong forces in a way that is consistent with the principles of relativity and quantum mechanics. The fourth force of gravity can also be unified with the other three forces by using supersymmetry, and by replacing point particles by strings. I will also discuss how some very large symmetries might emerge once this theory is properly formulated.

Wednesday, 5th November 2008, 10:45 h, Room 348 / 349, Theresienstr. 37 / III

Prof. V. Mukhanov