



Excellence Network  
of Bavaria

QC<sup>3</sup>

TECHNISCHE  
UNIVERSITÄT  
MÜNCHEN

INTERNATIONAL PHD PROGRAMME  
OF EXCELLENCE

QUANTUM COMPUTING, CONTROL  
AND COMMUNICATION

<http://www.qccc.de>

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**Thursday, June 28<sup>th</sup>, 2012  
at 15.30  
in the Herbert Walther lecture hall  
of the Max Planck Institute  
of Quantum Optics**

**“Extreme Optics in  
Semiconductors:  
When Quasiparticles Collide,  
and  $1+1=11$ “**

**Prof. Mark S. Sherwin**

University of California  
at Santa Barbara