

## INVITATION

# Erwin Schrödinger Distinguished Lecture by Dr. Steven Chu (Nobel Prize in Physics and former U.S. Secretary of Energy)

“The Energy and Climate Challenges”

Friday, November 14<sup>th</sup>, 2014, 6.00 p.m.  
Großer Festsaal of the University of Vienna, Universitätsring 1, 1010 Vienna

## Programme

### Welcome

Vizektorin der Universität Wien  
Univ.-Prof. Mag. Dr. Susanne Weigelin-Schwiedrzik

### Introduction

Prof. Dr. Jörg Schmiedmayer,  
VIENNA UNIVERSITY OF TECHNOLOGY, VIENNA CENTER FOR  
QUANTUM SCIENCE AND TECHNOLOGY (VCQ)

### 4<sup>th</sup> lecture of the “Erwin Schrödinger Distinguished Lecture Series” on “The Energy and Climate Challenges”

Dr. Steven Chu,  
STANFORD UNIVERSITY, USA

The “Vienna Center for Quantum Science and Technology” (VCQ) is a joint initiative of the University of Vienna, the Vienna University of Technology, and the Austrian Academy of Sciences, which unites quantum physicists of Vienna’s research institutions in one collaborative center.

[VCQ.QUANTUM.AT](http://VCQ.QUANTUM.AT), [VCQ@QUANTUM.AT](mailto:VCQ@QUANTUM.AT)

### The Erwin Schrödinger Distinguished Lecture Series 4<sup>th</sup> lecture by Dr. Steven Chu (Nobel Prize 1997 and former U.S. Secretary of Energy) on “The Energy and Climate Challenges”

Science and technology advances that led to the industrial and agricultural revolutions have profoundly transformed the world. Dr. Chu will give an “epidemiological” view of climate change, provide a progress report of progress in clean energy, and how sustainable energy can become the low cost energy option.

Steven Chu is the William R. Kenan, Jr., Professor of Physics and Molecular & Cellular Physiology at Stanford University. His research spans atomic and polymer physics, biophysics, biology, biomedicine and batteries. He shared the 1997 Nobel Prize in Physics for the laser cooling and trapping of atoms.

From January 2009 until April 2013, Dr. Chu was the 12<sup>th</sup> U.S. Secretary of Energy and the first scientist to hold a cabinet position since Ben Franklin. During his tenure, he began ARPA-E, the Energy Innovation Hubs, the Clean Energy Ministerial meetings, and was tasked by President Obama to assist BP in stopping the Deepwater Horizon oil leak. Prior to his cabinet post, he was director of the Lawrence Berkeley National Laboratory, Professor of Physics and Molecular and Cell Biology at UC Berkeley, the Theodore and Francis Geballe Professor of Physics and Applied Physics at Stanford University, and head of the Quantum Electronics Research Department at AT&T Bell Laboratories.