

# Center for Quantum Science and Engineering

## 2<sup>nd</sup> International Workshop on Atomic, Molecular, and Optical Science and Frontier Technology

**May 1 (Saturday), 2010**

**8:00am ~ 5:30pm**

**Rm104 , CCMS and New Physics Building , National Taiwan University**

台灣大學物理系凝態大樓 1 樓 104 會議室

Time	Title	Speaker
8:00-8:30	<b>Registration</b>	
<b>Session Chair: Tsin-Fu Jiang 江進福</b>		
8:30-8:40	Opening Remarks	朱時宜院士 台灣大學
8:40-9:25	Plenary Talk: Model of MALDI Mass Spectrometry	林聖賢院士 中研院/交通大學
9:25-10:10	Plenary Talk: Attosecond Waveform Synthesis	孔慶昌 中研院/清華大學
<b>10:10-10:30</b>	<b>Break / Photo</b>	
<b>Session Chair: Jeng-Da Chai 蔡政達</b>		
10:30-11:00	Cesium two-photon transitions, laser stabilizations and coherent population trapping by comb laser	鄭王曜/中研院
11:00-11:30	Calculation of pump probe process in helium atom	江進福/交通大學
11:30-12:00	Theory for coherent excitation energy transfer in molecular systems	鄭原忠/台灣大學
12:00-12:30	Resolving Nanoscale Structures of Biological Molecules Using Far Field Optical Microscopy	董成淵/台灣大學
<b>12:30-13:30</b>	<b>Lunch</b>	
<b>Session Chair: Yuan-Chung Cheng 鄭原忠</b>		
13:30-14:15	Plenary Talk: Recent Advances in Range-Separated DFT	Kimihiko Hirao 平尾公彥 RIKEN, Japan
14:15-15:00	Plenary Talk: Modeling of optical nanometrology	張亞中/中研院
15:00-15:30	Advances in Long-Range Corrected Double-Hybrid Density Functionals	蔡政達/台灣大學
<b>15:30-15:50</b>	<b>Coffee Break</b>	
<b>Session Chair: Tsin-Fu Jiang 江進福</b>		
15:50-16:20	When finite becomes infinite...	Henry Witek 魏恆理/交通大學
16:20-16:50	Population Enhancement of Cs Rydberg State by Stimulated Raman Adiabatic Passage (STIRAP) in a MOT	蔡錦俊/成功大學
16:50-17:20	Theoretically Tracking a Chemical Reaction	張秀華/東華大學
17:20-17:30	Closing Remarks	朱時宜院士 台灣大學

**For registration, please email your name, title and affiliation by April 23 to [ntucqse@ntu.edu.tw](mailto:ntucqse@ntu.edu.tw). Thank you.**

CQSE Secretary Chunling Wang 台大量子科學與工程研究中心 王淳菱秘書

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