



UEC - Shanxi Joint Workshop on Optical Science

March 14, 2013

University of Electro-Communications (UEC)
Chofu, Tokyo, Japan

Program

Part1 (10:00 - 12:05) Ultra Cold atoms and Molecules

Hiroki Saito(UEC), Weidong Li (Shanxi),

Takeshi Mukaiyama (UEC), Jie Ma (Shanxi)

Part2 (13:30 - 17:10) Quantum Optics and Laser Science

Liu Kui (Shanxi), Kali Nayak (UEC),

Penfgei Zhang (Shanxi), Jun He (Shanxi),

Ryusuke Shimizu (UEC), Kiantuan Xiao (Shanxi),

Kazuhiko Misawa (TUAT)



University of Electro-Communications



Shanxi University

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URL: <http://www.ils.uec.ac.jp/COEcoherent/>

E-mail: nakagawa@ils.uec.ac.jp

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Date: March 14, 2013

Place: University of Electro-Communications, Building E-3, 301 (Multimedia Hall)

Program March 14(Thu), 2013

Part1 (10:00 ~ 12:05)

- 10:00 - 10:10 Opening Remarks
10:10 - 10:35 Quantum hydrodynamics of ultracold atoms
Hiroki Saito (UEC)
10:35 - 11:10 Quantum dynamics of ultra cold atoms with grating
Weidong Li (Shanxi)
11:10 - 11:35 Experimental study on collisional properties of ultracold 6 Li near p-wave Feshbach resonance
Takeshi Mukaiyama (UEC)
11:35 - 12:05 High sensitive photoassociation spectroscopy of ultracold cesium molecules
Jie Ma (Shanxi)

Lunch (12:05 - 13:30)

Part2 (13:30 ~ 17:10)

- 13:30 - 14:00 Continuous-Variable Spatial Multimode Entanglement
Liu Kui (Shanxi)
14:00 - 14:25 Photonic Crystal Nanofibers for Manipulating Single Atoms/Photons
Kali Nayak (UEC)

Coffee Break (14:55 - 15:10)

15:10 - 15:40 Deterministic Preparation of a single atom in an optical microtrap
Jun He (Shanxi)
15:40 - 16:05 Controlled frequency entanglement of photons
Ryusuke Shimizu (UEC)
16:05 - 16:35 Single molecules probe the polarization dynamics of PMMA
Liantuan Xiao (Shanxi)
16:35 - 17:00 Molecular vibrational imaging using phase-programmed femtosecond pulses
Kazuhiko Misawa (TUAT)
17:00 - 17:10 Closing Remarks

18:00 - 20:00 Welcome Reception (Campus Restaurant HARMONIA)