

Program of A3 Kusatsu seminar (final-1)

at Hotel Ichii, Kusatsu, Japan

Nov. 16, 2007 (Fri.) at seminar rm. "Shirane-no-ma", 6F, West bldg.

8:30

opening remarks

8:35

1 **Ji-Yong Park** (25 min)

Department of Physics, Ajou University, Korea

"Local electrical characterizations with nanoprobe"

9:00

2 **Seong Heon Kim** (15 min)

Department of Physics, Seoul National University, Korea

"Cesium-Filled Single Wall Carbon Nanotubes: Scanning Tunneling Spectroscopy Study"

9:15

3 **Jinhyung Lim** (15 min)

Korea University, Korea

"Visualization of Local Gate Control in a ZnO Inter-Nanowire Junction Device"

9:30

4 **Chul-Ho Lee** (15 min)

Dept. of Materials Sci. and Eng., POSTECH, Korea

"Thermoelectric power measurements of one-dimensional wide bandgap semiconducting nanostructures"

9:45

5 **Fawei Zheng** (15min)

Dept. of Physics, Tsinghua University, China

"First principles study of Zigzag BN Nanoribbons "

10:00

coffee break

10:30

6 **Eguchi Toyoaki** (20 min)

ISSP, University of Tokyo, Japan

"Nano-scale lithography with frequency-modulation AFM"

10:50

7 **Shiro Yamazaki** (20 min)

ISSP, University of Tokyo, Japan

"Metallic Transport on Si(111)- $\sqrt{7}\times\sqrt{3}$ -In Atomic Layers"

11:10

8 **Xi Chen** (25 min)

Dept. of Physics, Tsinghua University, China

"Superconducting gap states observed by STM with a superconductive tip"

11:35

9 **Xucun Ma** (25 min)

Institute of Physics, Chinese Academy of Sciences, China

"Superconductivity of Pb: from 2D Films to Quasi-1D Wires"

12:00

lunch and a walk to Sai-no-Kawara (西の河原)

14:00

10 **Huaping Liu** (20 min)

Dept. of Physics, Tokyo University of Science, Japan

"Effects of the Deposited Amount of Au on Single-Walled Carbon Nanotube growth"

14:20

11 **Sang Min Park** (15 min)

School of Electrical Engineering, Korea University, Korea

"Synthesis and characterization of thin multiwalled carbon nanotubes and their field emission properties"

14:35

12 **Shengcheng Mao** (15 min)

Beijing University of Technology

"The inhomogeneous stress-induced martensitic transformation in commercially polycrystalline TiNi shape memory alloys"

14:50

13 **Naoka Nagamura** (15 min)

Dept. of Physics, University of Tokyo, Japan

"Electric and Transport Properties of Quasi-one-dimensional Quantized States of Ultra-thin Ag Films on Si(111) 4×1 -In"

15:05

14 **Iwao Matsuda** (25 min)

ISSP, University of Tokyo, Japan

"Origins of intriguing spin characters and Fermi surfaces
topology of metal films regulated by interface atomic layers"

15:30

coffee break

16:00

15 **Zuanyi Li** (15min)

Dept. of Physics, Tsinghua University, China

"The spin-polarized electronic properties of zigzag graphene
nanoribbons with asymmetric edge terminations"

16:15

16 **Kan Nakatsuji** (20min)

ISSP, University of Tokyo, Japan

"MnN superstructure on Cu(001)"

16:35

17 **Jungpil Seo** (15min)

Dept. of Physics, Seoul National University, Korea

"Dipolar Field Interaction in Patterned Iron Nanodot Array"

16:50

18 **Jinfeng Jia** (25min)

Dept. of Physics, Tsinghua University, China

"Molecular magnetic coupling at atomic scale"

17:15

19 **Qikun Xue** (25min)

Dept. of Physics, Tsinghua University, China

"How is a Pb-terminated Si(111)-1x1 stabilized?"

17:40