

# LEEM-PEEM-V Program

The 5th International Conference on LEEM/PEEM

15th-19th Oct. 2006

Egret Himeji

I-messae Hall (3F)

## Oct. 15 Sunday

- 14:00-19:00      **Registration**  
18:00-20:00      **Welcome party (Restaurant Mille 4F)**



## Oct. 16 Monday

- 8:45-              **Registration**  
9:15-9:35        **Opening remarks: welcome talk and announcement**

### Quantum Interference(T.Yasue)

- 9:35-10:15      D-1      A. Tonomura,      “Quantum Phenomena Visualized by Electron Waves”  
10:15-10:35      MoO-1   K.Ishizuka, “Holography in LEEM: Electron Phase Measurement”  
  
10:35-10:55      **Break**

### Thin Film (G.L.Kellogg)

- 10:55-11:15      MoO-2   B.Poelsema, “A Mesoscopic View on the Growth of Ag/Pt(111): Surface Alloying, De-Alloying, Reconstruction and Interface Stability”  
11:15-11:35      MoO-3   A.Zakharov, “Growth of Double-Layer h-BN Nanomesh on Transition Metal Surfaces Studied by LEEM/PEEM/XPEEM”  
11:35-11:55      MoO-4   R. van Gastel, “Phase Transitions and Thermal Defects in Bi/Cu(111): True Hard Hexagon Behavior”  
  
11:55-12:15      Conference Photo (In front of Egret Himeji)

- 12:15-13:40      **Lunch**

### SPM and LEEM (F.J. Meyer zu Heringdorf)

- 13:40-14:20      D-2      M. Aono, “Exploring Novel Capabilities of the Scanning Tunneling Microscope:”  
14:20-14:20      MoO-5   I. Müllerová, “Scanning Alternative to the LEEM”  
  
14:40-15:10      **Break**

### **New Experimental Trends (A. Locatelli)**

- 15:10-15:30 MoO-6 H. Daimon, "Stereo-PEEM for Three-dimensional Atomic and Electronic Structure of Microscopic-materials"
- 15:30-15:50 MoO-7 T. Kinoshita, "How Is It Possible to Obtain Buried Interface Information Through Very Thick Films with Hard X-Ray PEEM?"
- 15:50-16:10 MoO-8 A. Kubo, "Femtosecond Imaging of Surface Plasmon Polaritons by PEEM"
- 16:10-16:30 MoO-9 F.J. Meyer zu Heringdorf, "Nonlinear Photoemission Microscopy"
- 16:30-16:45 **Award preview**
- 16:45-18:45 **Poster Session (B1F)**



## **Oct. 17 Tuesday**

### **Surface Science and Chemistry (Y.Watanabe)**

- 9:00-9:40 D-3 H.J. Freund, "Model Systems in Heterogeneous Catalysis: An Atomic View"
- 9:40-10:00 TuO-1 A.K.Pavlovska, "Surface Modification of Oxides by Photon- and Electron-Stimulated Desorption for Growth Mode Control of Metal Films"
- 10:00-10:20 TuO-2 H. Marchetto, "Direct Observation of Metastable Organic Layer Growth: Transition from Stranki-Krastanov to Frank-van der Merwe"
- 10:20-10:50 **Break**

### **Step on Surface (B. Poelsema)**

- 10:50-11:10 TuO-3 H. Hibino, "Control of Orientation of C<sub>60</sub> Monolayers Using Steps"
- 11:10-11:30 TuO-4 M. Altman, "Kinetics of Atomic Step Motion During Growth and Decay at Surfaces"
- 11:30-11:50 TuO-5 J.B. Hannon, "Step Motion Near Dislocations on Si Surfaces"
- 11:50-12:15 **Discussion: Future Conference**

### **Lunch**

### **Nanostructure (T.Schmidt)**

- 13:40-14:20 D-4 P. Fischer, "Exploring Nanomagnetism with Soft X-Ray Microscopy"
- 14:20-14:40 TuO-6 A. Locatelli, "Tuning Surface Reactivity via Electron Quantum Confinement"
- 14:40-15:00 TuO-7 A.K.Schmid, "Spin-Dependent Quantum Interference from Epitaxial Thin Films"

15:00-15:30      **Break**

**Surface Magnetisms (K.Ono)**

15:30-15:50      TuO-8    E. Bauer, “ XMCDPEEM Studies of the Virgin and Remanent Domain Structure of Submicron Magnetic Patterns”

15:50-16:10      TuO-9    R. Zdyb, “ Curie Temperature of Fe Monolayer”

16:10-16:30      TuO-10   R. Belkhou, “Magnetism, Structure and Reactivity of Exchanged-Coupled Co/Hematite interfaces”

16:30-16:45      **Award Preview**

16:45-18:45      **Poster Session (B1F)**



**Oct. 18    Wednesday**

**A new trend of LEEM (M. Oshima)**

9:00-9:40          D-5        T. Nakanishi, “ Highly Spin Polarized Cathode”

9:40-10:00        WeO-1    M. Mankos, “Electron Optics for High Throughput LEEM”

10:00-10:20       WeO-2    C.P. Flynn, “ LEEM of Surfaces During Irradiation with Energetic Ions”

10:20-10:45      **Break**

**LEEM for Surface Growth (M.Altman)**

10:45-11:05       WeO-3    G.L.Kellogg, “Identifying the Origins of Heterogeneity in Ultra-thin Films by LEEM-IV Analysis”

11:05-11:25       WeO-4    J.T.Sadowski, “Application of Dark-Field LEEM Imaging to Observation of the Nucleation And Growth of C<sub>60</sub> Films on Bi(0001)/Si(111)”

11:25-11:45       WeO-5    K. McCarty, “Electron-Reflectivity Measurement of Mobile Surface-Species Concentrations”

12:00                **Excursion(Bus starts in front of Egret Himeji)**

18:00                **Conference Banquet(Hotel Maiko)**



## Oct. 19 Thursday

### Time-resolved (R.M.Tromp)

- 9:00-9:40 D-6 H.C.Kapteyn, "Application of Coherent High-Order Harmonic Emission in Time-Resolved Imaging and Photoemission"
- 9:40-10:00 ThO-1 Y. Park, "Spectroscopic Imaging by Time-of-flight Photoemission Microscopy"
- 10:00-10:20 ThO-2 G.Schönhense, "Stroboscopic XMCD-PEEM Imaging of Standing and Propagating Spinwave Modes in Permalloy Thin-Film Structures"
- 10:20-10:40 ThO-3 C. Quitmann, "Excitations and Switching in Magnetic Microparticles"
- 10:40-11:05 **Break**

### Aberration corrections (G.Schönhense)

- 11:05-11:25 ThO-4 T. Schmidt, "SMART: Spectro-Microscopy with Aberration Correction for Many Relevant Techniques"
- 11:25-11:45 ThO-5 T. Koshikawa, "Aberration Correction of SR-XPEEM with Moving Focus Method"
- 11:45-12:05 ThO-6 R.M. Tromp, "A New Design for an Energy-Filtered, Aberration-Corrected LEEM/PEEM Instrument"
- 12:05-12:15 **Concluding remarks**
- 12:30 **Leave for SPring-8 Tour**
- 16:30 **Return to Himeji**