

## 2. Awards

2005 The Magnetic Society of Japan Best Paper Award

SAITO Shinji, MIYOKAWA Koya, KATAYAMA Toshikazu, KAMINO Tomoyuki, HANASHIMA Koji, SAITO Toshiaki (Univ. of Toho), YUASA Shinji (AIST), SUZUKI Yoshishige (Osaka Univ.) MAMIYA Kazutoshi, KOIDE Tsuneharu (KEK-PF)

“Magnetic State of Fe(001) Monatomic Layer Facing Single-Crystalline MgO(001) Tunneling Barrier: X-ray Absorption Spectroscopy and X-Ray Magnetic Circular Dichroism Study” [1]

This work was carried out at BL-11A and AR-NE1B.

Young Scientist Award of the Mineralogical Society of Japan

KURIBAYASHI Takahiro (Tohoku Univ.)

“High-Pressure Single Crystal X-Ray Diffraction and FT-IR Observation of Natural Chondrodite and Synthetic OH-chondrodite” [2]

The main part of this work was carried out at BL-10A.

Early Research in Biophysics Award

UNNO Masaki (Tohoku Univ.)

“Structural Biological Study of The Intermediates of Heme Oxygenase”

Part of this work was carried out at BL-5A, BL-6A and AR-NW12A.

The 7th KAO Research Award

KONDO Hiroshi (Tokyo Univ.)

“Elucidation of Structures and Molecular Processes of Self-Assembled Monolayers by Scanning Tunneling Microscopy and Synchrotron-Based X-Ray Spectroscopy” [3-6]

The main part of this work was carried out at BL-7A and BL-11B.

Student Poster Board Award (XIII International Conference on Small-Angle Scattering, July 9-13, 2006, Kyoto, Japan)

OHSHIMA Kanji (Osaka Univ.)

“Orientation of Resting Myosin Crossbridges from Skeletal Muscles Determined by X-Ray Fiber Diffraction”

The Awards of 2005 CrSJ, Young Crystallographer Award

SHIBA Tomoo (Tokyo Univ.)

“Studies for Intracellular Vesicular Transport and Post-Translational Protein Modification Using X-Ray Crystallographic Analysis” [7,8]

The main part of this work was carried out at BL-5A, BL-6A,B, BL-18B and AR-NW12A.

Award for the Best Original Paper (JSAP)

ANDO Masami, SUGIYAMA Hiroshi (KEK-PF), KUNISADA Toshiyuki, SHIMAO Daisuke, TAKEDA Ken (Tsukuba Univ.), HASHIZUME Hiroyuki, INOUE Hajime

“Construction of X-Ray Dark-Field Imaging with a View Size 80 mm Square and First Visualization of Human Articular Cartilage of Femoral Head under a Nearly Clinical Condition” [9]

Encouragement Award of the Particle Accelerator Society of Japan

MIYAJIMA Tsukasa (KEK-PF)

“Determination of Nonlinear Resonance Parameters in Electron Storage Rings” [10]

### References

[1] *J. Mag. Soc. Jpn.*, **4** (2005) 463.

[2] *J. Mineralogical Petrological Sciences*, **99** (2004) 118.

[3] *J. Phys. Chem.B*, **108** (2004) 12946

[4] *Phys. Rev. Lett.*, **90** (2003) 066102.

[5] *J. Phys. Chem. B*, **105** (2001) 12870.

[6] *Langmuir*, **17** (2001) 8178.

[7] *Nature*, **415** (2002) 937.

[8] *Nat. Strut. Biol.*, **10** (2003) 386.

[9] *Jpn. J. Appl. Phys.*, **43** (2004) L1175.

[10] *Jpn. J. Appl. Phys.*, **44** (2005) 2006