

Joint International Workshop of WFF&WFSO Program

March 4

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| 13:00 | Akira Onodera |
| Opening | |
| <i>Chairperson: A. Onodera</i> | |
| 13:20 | Mario Maglione |
| Lead free ferroelectrics : from relaxor state to piezoelectricity | |
| 14:20 | Mitsuru Itoh |
| Future work of ferroelectrics | |
| 15:20 | Coffee break |
| <i>Chairperson: T. Kyomen</i> | |
| 15:40 | Yuji Noguchi |
| Crystal Structures and Piezoelectric Properties of (Bi,Na)TiO ₃ -BaTiO ₃ and (Bi,K)TiO ₃ -(Bi,Na)TiO ₃ Single Crystals | |
| 16:10 | Yoshiyuki Inaguma |
| High-pressure synthesis, structure, and dielectric properties of polar LiNbO ₃ -type oxides | |
| 16:40 | Shinji Migita |
| Preparation of Epitaxial HfO ₂ Films on Si Substrates and its Application in Advanced Metal-Oxide-Semiconductor Field-Effect Transistors | |

March 5

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| <i>Chairperson: M. Itoh</i> | |
| 9:10 | Ruixing Liang |
| High T _c superconductivity in cuprates: Our past work and future challenges | |
| 9:40 | Lambert Alff |
| Reactive molecular beam epitaxy as synthesis tool for novel engineered electronic materials | |
| 10:10 | Toru Kyomen |
| Electroluminescence of Ca _{0.6} Sr _{0.4} TiO ₃ :Pr/SnO ₂ :Sb multilayers | |
| 10:40 | Coffee break |
| <i>Chairperson: Y. Inaguma</i> | |
| 11:00 | Yasuhiro Yoneda |
| Local structure analysis of perovskite materials | |
| 11:30 | Hiroki Moriwake |
| Ferroelectric materials studies using first-principles calculations | |
| 12:00 | Ruiping Wang |
| Modification of lead free piezoelectric niobate solid solutions by doping | |
| 12:30 | Yuji Tsujimi |
| Broad Doublet Spectra under Uniaxial Stress in SrTiO ₃ | |
| 13:00 Lunch time session | |
| 13:30 | Yukio Noda |
| Final Lecture | |
| <i>Chairperson: L. Alff</i> | |
| 15:00 | Yukiya Hakuta |
| Production of Perovskite Oxide Nanocrystals via Supercritical Water Method | |
| 15:30 | Coffee break |
| <i>Chairperson: A. Sakai</i> | |
| 16:00 | Hiroko Yokota |
| New approach to fabricate thin films using pulse laser deposition method | |
| 16:30 | Hiroki Taniguchi |
| Effect of Ca-Substitution on the Ferroelectricity in CdTiO ₃ | |
| 17:00 | Masaki Takesada |
| High-resolution Broadband Light Scattering in Ferroelectric Nanocrystal and Related Material | |

March 6

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| <i>Chairperson: M. Maglione</i> | |
| 9:10 | Shinichi Higai |
| Our frontiers in R & D on functional ferroelectric materials: From industrial side | |
| 9:40 | Akitoshi Koreeda |
| Impulsive Stimulated Thermal-Brillouin Scattering in Quantum Paraelectrics | |
| 10:10 | Jun Kano |
| Catalytic activity stimulated by the ferroelectric polarization fluctuation | |
| 10:40 | Coffee break |
| <i>Chairperson: A. Koreeda</i> | |
| 11:00 | Akira Sakai |
| Near-field Raman scattering spectra of ferroelectric thin films | |
| 11:30 | Noriaki Matsunaga |
| Charge ordering and ferroelectric transition in the quasi-one-dimensional organic conductors | |
| 12:00 | Lunch time |
| <i>Chairperson: H. Yokota</i> | |
| 13:30 | Hiroshi Takashima |
| Dielectric properties of Laser Ablation SrTiO ₃ films | |
| 14:00 | Shigeo Mori |
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| 15:15 | Move to Hidaka by bus |
| | Bus stop: Hokkaido Univ. Museum |
| 17:45 | Arrival and evening meal |

March 7

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| 9:00 | Excursion |
| 12:00 | Lunch time |
| 13:00 | Lambert Alff |
| Thin film growth as synthesis and design tool for functional electronic materials | |
| 14:00 | Hiroyoshi Nobukane |
| Aspect of Low Dimensional materials | |

March 8

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| 9:00 | Akira Onodera |
| Closing | |
| 14:00 | Move to Hokkaido Univ. |
| 15:00 | Arrival at Chitose Airport |
| 16:00 | Arrival at Hokkaido Univ. |