



SCHEDULE
 “EMALLIA CONFERENCE 2016 WINTER”
 Hokkaido Univ-PNU-RIKEN Joint Symposium



| 1st day (December 19, 2016) | | | | |
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| | Time | | Speaker | Affiliation |
| | 10:50-10:55 | Greeting and purpose from RIKEN | I. Watanabe | RIKEN |
| | 10.55-11:00 | Greeting from Hokkaido Univ. | K. Nemoto | Hokkaido Univ. |
| [Part-1] Chairperson: Takuya Kobayashi (Hokkaido Univ.) | | | | |
| | Time | Title | Speaker / Author | Affiliation |
| IS 1 | 11:00-11:30 | Alkaline-earth-filled skutterudites synthesized at high pressure | Y. Kawamura | Muroran Institute of Technology |
| CS 1 | 11:30-11:45 | Magnetic resonance study as a microscopic magnetometry | Y. Ishii ¹ , Y. Matsushita ² , H. Yoshida ¹ , M. Oda ¹ , A. Takata ³ , T. Kida ³ , Y. Narumi ³ , M. Hagiwara ³ | ¹ Hokkaido Univ., ² NIMS, ³ Osaka Univ. |
| CS 2 | 11:45-12:00 | Muon Spin Relaxation Study on the Magnetic Order of π -electrons in the Cesium and Sodium Superoxide | F. Astuti ¹ , D. P. Sari ¹ , R. Asih ¹ , G. Blake ² , T. Kambe ³ , M. Miyajima ³ , T. Kakuto ³ , T. Nakano ⁴ , Y. Nozue ⁴ , I. Watanabe ¹ | ¹ RIKEN, ² Univ. of Groningen, ³ Okayama Univ., ⁴ Osaka Univ. |
| CS 3 | 12:00-12:15 | The electronic properties of graphene on SiC and SrTiO ₃ substrates | J. Hwang , C. Hwang | PNU |
| CS 4 | 12:15-12:30 | Electron Transport Studies in Biological Molecules with Respect to the Science of Ageing | H. Rozak ^{1,2} , S. Sulaiman ² , M. I. M. Ibrahim ² , I. Watanabe ¹ | ¹ RIKEN, ² Universiti Sains Malaysia |
| | 12:30-13:30 | Lunch | | |
| [Part-2] Chairperson: Julia Angel (RIKEN/Hokkaido Univ.) | | | | |
| CS 5 | 13.30-13:45 | Analysis of multichimera states in nonlocally coupled phase oscillators | Y. Suda , Y. Okuda | Hokkaido Univ. |
| CS 6 | 13:45-14:00 | Gap structure of superconductivity mediated by orbital nematic fluctuations | T. Agatsuma , H. Yamase | NIMS |
| CS 7 | 14:00-14:15 | NMR study for charge ordered state in β'' -(BEDT-TTF) ₄ Pt(CN) ₄ · H ₂ O | T. Waragai , Y. Futami, Y. Ihara, A. Kawamoto | Hokkaido Univ. |

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| CS 8 | 14.15-14:30 | Investigation of magnetic ordered states in the pyrochlore iridates $(\text{Nd}_{1-x}\text{Ca}_x)_2\text{Ir}_2\text{O}_7$ | R. Asih ¹ , N. Adam ¹ , S. S. Mohd-Tajudin ¹ , S. Maeda ² , K. Matsuhira ² , M. Wakeshima ³ , Y. Hinatsu ⁴ , A. Miyake ⁴ , M. Tokunaga ⁴ , I. Watanabe ¹ , T. Nakano ⁵ , Y. Nozue ⁵ | ¹ RIKEN, ² Kyushu Institute of Technology, ³ Hokkaido Univ., ⁴ ISSP, ⁵ Osaka Univ. |
| CS 9 | 14.30-14:45 | Effect of organic material used in the synthesis on the emission of CdSe Quantum Dots | J.-W. Lee , M. J. Lee, H.-S. Yang | PNU |
| | 14.45:15.00 | Break | | |
| [Part-3] Chairperson: Dita Puspita Sari (RIKEN/Osaka Univ.) | | | | |
| IS 2 | 15:00-15:30 | Study of high-Tc superconducting oxides with μSR | I. Watanabe | RIKEN |
| CS 10 | 15:30-15:45 | Muon-spin relaxation function in dilute spin systems | M. D. Umar , I. Watanabe | RIKEN |
| CS 11 | 15:45-16:00 | Ground state magnetic Raman scattering in antiferromagnetic spin tubes | T. Inoue , S. Yamamoto | Hokkaido Univ. |
| CS 12 | 16:00-16:15 | Role of π -electrons in the anomalous anti-ferromagnetic insulating phase of λ -(BETS) ₂ FeCl ₄ | T. Lee ¹ , Y. Oshima ¹ , H. Chui ¹ , A. Kobayashi ² , R. Kato ¹ | ¹ RIKEN, ² Nihon. Univ. |
| CS 13 | 16:15-16:30 | Effect of oxidation in oxygen-deficient SrFe _{0.8} Co _{0.2} O _{3-δ} thin films | J. H. Lee , H. J. Jeon | PNU |
| | 16:30-16:45 | Break | | |
| [Part-4] Chairperson: Takashi Inoue (Hokkaido Univ.) | | | | |
| IS 3 | 16:45-17:15 | Introduction to PNU Physics & Dense Stellar Matter | C.-H. Lee | PNU |
| CS 14 | 17:15-17:30 | Hall effect in the Abrikosov lattice of type-II superconductors | W. Kohno , H. Ueki, T. Kita | Hokkaido Univ. |
| CS 15 | 17:30-17:45 | High-pressure synthesis and thermoelectric properties of Eu _x Co ₄ Sb ₁₂ | J. Sirimart , R. Nakajima, K. Nishine, Y. Mona, J. Hayashi, Y. Kawamura, C. Sekine | Muroran Institute of Technology |
| CS 16 | 17:45-18:00 | Muon in High-Tc superconducting YBa ₂ Cu ₃ O ₆ | S. S. M. Tajudin ¹ , M. I. M. Ibrahim ² , S. Sulaiman ² , T. Nishizaki ³ , A. Kikkawa ³ , N. Adam ¹ , E. Suprayoga ⁵ , I. Watanabe ¹ | ¹ RIKEN, ² Universiti Sains Malaysia, ³ Kyushu Sangyo U., ⁴ CEMS-RIKEN, ⁵ Institut Teknologi Bandung |
| CS 17 | 18:00-18:15 | Tests for the Novel Magnetoelectric Effects on a Toroidal Magnetic Ordered State of UNi ₄ B | H. Saito , N. Miura, C. Tabata, H. Hidaka, T. Yanagisawa, H. Amitsuka | Hokkaido Univ. |

| 2nd day (December 20,2016) | | | | |
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| [Part-5] Chairperson: Muhamad Darwis Umar (RIKEN/Hokkaido Univ.) | | | | |
| | Time | Title | Speaker / Author | Affiliation |
| CS 18 | 09:30-09:45 | High-pressure synthesis and magnetic properties of layered rare-earth phosphide GdZn ₃ P ₃ and DyZn ₃ P ₃ | K. Ikemori , K. Suzuki, Y. Kawamura, J. Hayashi, C. Sekine | Muroran Institute of Technology |
| CS 19 | 09:45-10:00 | ¹³ C NMR study of insulating phase in λ-(ET) ₂ GaCl ₄ | Y. Saito ¹ , T. Kobayashi ¹ , S. Fukuoka ¹ , A. Kawamoto ¹ , H. Mori ² | ¹ Hokkaido Univ., ² The Univ. of Tokyo |
| CS 20 | 10:00-10:15 | Sn-doping mediated Fe ²⁺ state variation of Hematite powders | S. Song , S. Park | PNU |
| CS 21 | 10:15-10:30 | μSR and DFT studies on (Ce _{1-x} La ₂)M ₂ Al ₁₀ (M = Ru, Os) | N. Adam ¹ , M. I. M. Ibrahim ² , S. Sulaiman ² , I. Watanabe ¹ | ¹ RIKEN, ² Universiti Sains Malaysia |
| CS 22 | 10:30-10:45 | Study of the charge density wave and superconducting phase in α-(BEDT-TTF) ₂ RbHg(SCN) ₄ probed by NMR spectroscopy under uniaxial pressure | A. Ohnuma , H. Kumagai, T. Waragai, T. Kobayashi, Y. Saito, S. Fukuoka, Y. Ihara, A. Kawamoto | Hokkaido Univ. |
| | 10:45-11:00 | Break | | |
| [Part-6] Chairperson: Yusuke Suda (Hokkaido Univ.) | | | | |
| IS 4 | 11:00-11:30 | Magnetic resonance study as a microscopic magnetometry | Y. Ihara | Hokkaido Univ. |
| CS 23 | 11:30-11:45 | μSR Studies on h ₈ - and d ₈ -β ⁻ -(BEDT-TTF) ₂ ICl ₂ | J. Angel ¹ , F. Astuti ¹ , D. P. Sari ¹ , H. Taniguchi ² , I. Watanabe ¹ | ¹ RIKEN, ² Saitama Univ. |
| CS 24 | 11:45-12:00 | Magnetic properties in π-d system organic conductor λ ⁻ -(BEDT-STF) ₂ FeBr ₄ | T. Wada , T. Minamidate, N. Matsunaga, K. Nomura, A. Kawamoto | Hokkaido Univ. |
| CS 25 | 12:00-12:15 | Titanium nitride nanoparticles supported ceramic microfibers as efficient solar steam generators | M. Kaur ¹ , S. Ishii ² , S. L. Shinde ² , T. Nagao ¹ | ¹ NIMS, ² Hokkaido Univ. |
| CS 26 | 12:15-12:30 | Electron Correlation Effect on Non-equilibrium Phase Separation Studied by Polarized Femtosecond Spectroscopy | K. Nakagawa ¹ , S. Tsuchiya ¹ , J. Yamada ² , Y. Toda ¹ | ¹ Hokkaido Univ., ² Hyogo. Univ. |
| | 12:30-13:30 | Lunch | | |
| [Part-7] Chairperson: Yohei Saito (Hokkaido Univ.) | | | | |
| CS 27 | 13:30-13:45 | Study of spin dynamics of a staircase kagome material investigated by spin polarized muons | S. Yoon ¹ , S.-H. Do ² , K.-Y. Choi ² , I. Watanabe ¹ , B. J. Suh ³ | ¹ RIKEN, ² Chung-Ang Univ., ³ The Catholic Univ. of Korea |

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| CS 28 | 13.45-14:00 | ESR measurements of the valence bond solid material $\text{EtMe}_3[\text{Pd}(\text{dmit})_2]_2$ | S. Kim, Y. Oshima, R. Kato | RIKEN |
| CS 29 | 14:00-14:15 | Simulation of LIDAR multiple scattering in aerosol and metamaterial perfect absorbers for remote sensing | D. T. Anh, T. Nagao | NIMS |
| CS 30 | 14.15-14:30 | μSR and DFT Study of Organic Superconductor $\lambda\text{-(BETS)}_2\text{GaCl}_4$ | D.P. Sari ¹ , R. Asih ¹ , K. Hiraki ² , Y. Ishii ³ , T. Takahashi ² , T. Koretsune ⁴ , H. Seo ⁴ , I. Watanabe ¹ , T. Nakano ⁵ , Y. Nozue ⁵ | ¹ RIKEN, ² Gakushuin Univ., ³ Shibaura Institute of Technology, ⁴ CEMS-RIKEN, ⁵ Osaka Univ. |
| CS 31 | 14.30-14:45 | Antiferromagnetic fluctuation in unconventional organic superconductor $\lambda\text{-(BETS)}_2\text{GaCl}_4$ by ¹³ C NMR | T. Kobayashi, A. Kawamoto | Hokkaido Univ. |
| | 14:45-15:00 | Break | | |
| [Part-8] Chairperson: Fahmi Astuti (RIKEN/Hokkaido Univ.) | | | | |
| IS 5 | 15:00-15:30 | Wavelength Selective Thermal Devices with Infrared Perfect Absorbers | T. Nagao | NIMS |
| CS 32 | 15:30-15:45 | Non-linear electric conductivity in the Spin-Density-Wave state of $(\text{TMTTF})_2\text{PF}_6$ | D. Chiba, N. Matsunaga, K. Nomura, A. Kawamoto | Hokkaido Univ. |
| CS 33 | 15.45-16:00 | High-pressure synthesis of new filled skutterudite compounds $\text{SrT}_4\text{As}_{12}$ (T=Fe, Ru, Os) | K. Nishine, J. Sirimart, R. Namajima, Y. Kawamura, J. Hayashi, C. Sekine | Muroran Institute of Technology |
| CS 34 | 16:00-16:15 | Electrical transport study of Sn-doped $\alpha\text{-Fe}_2\text{O}_3$ | T. Min, J. Lee | PNU |
| CS 35 | 16:15-16:30 | Rietveld Analysis of Nanocrystalline of Barium M-Hexaferrite Synthesized by Using Co-precipitation Method | I. Ramli, I. Watanabe | RIKEN |
| | 16:30-16:45 | Break | | |
| | 16:45-17:00 | General discussion (regularizing the seminar) | | |
| | 17:00-17:15 | Closing | A. Kawamoto | Hokkaido Univ. |
| | 18:00-20:00 | Banquet | | |

*IS = Invited Speaker; *CS: Contributed Speaker