Poster session 1 (*Thursday, February 19*)

∗: invited poster

[19P-0]∗ **Yoji Ohashi** (University of Tsukuba)
Superfluidity in a trapped gas of Fermi atoms with a Feshbach resonance

[19P-1]∗ **Takeshi Nakanishi** (AIST)
Fano effects in a quantum dot

[19P-2]∗ **Takuji Nomura** (JAERI)
Analysis of resonant inelastic X-ray scattering in insulating cuprates

[19P-3]∗ **Takeo Kato** (Osaka City University)
Quantum chaos in mesoscopic physics

[19P-4] **Takashi Imamura** (University of Tokyo)
Random matrix theory and polynuclear growth model

[19P-5] **Go Kato** (University of Tokyo)
Analytical study of correlation functions for the 1D XXZ model

[19P-6] **Jun Sato** (ISSP, University of Tokyo)
Exact analysis of dynamical correlation functions for the spin-1/2 XXZ chain

[19P-7] **Kenichi Asano** (Osaka University, CREST-JST)
Absence of exciton Mott transition in one-dimensional electron-hole systems

[19P-8] **Yuh Tomio** (Osaka University, CREST-JST)
Electron-hole pair condensation in infinite dimensional electron-hole systems

[19P-9] **Satoshi Kokado** (AIST)
Spin dependent transport of nano-scale ferromagnetic tunnel junctions

[19P-10] **Ping Huai** (AIST)
Optical and electronic control of spin-alignment in molecular magnets

[19P-11] **Keita Sasada** (Aoyama Gakuin University)
Resonant transport with an interaction in mesoscopic systems

[19P-12] **Mitsuhiro Itakura** (JAERI)
Quasi-long-range ordered ground-state of the random field XY model

[19P-13] **Isao Sawada** (Ishikawa National College of Technology)
Ground-state memories last under strong thermal fluctuations: dynamics of dimerized spin chains

[19P-14] **Sanae Fujita** (Tohoku University)
A frustrated Ising spin system on a quasicrystal

[19P-15] **Munehisa Matsumoto** (ISSP, University of Tokyo)
Non-magnetic-impurity-induced phase transitions of quasi-one-dimensional Haldane magnets

[19P-16] **Yoshihiro Shimomura** (Aoyama Gakuin University)
Spin dodecamer formation in the double-exchange spin ice model

[19P-17] **Yusuke Aoki** (Aoyama Gakuin University)
A new definition of the tunneling time

[19P-18] **Naomichi Hatano** (University of Tokyo)
An $O(N)$ algorithm of computing the spectrum of non-Hermitian matrices

[19P-19] **Kazuyuki Uchida** (University of Tokyo)
Carrier-doping modulation of the structural instabilities in $SrTiO_3$

[19P-20] **Kazuma Nakamura** (University of Tokyo)
Anomalous effective charges of hypervalent chalcogen compound As_2Te_3: First-principles study

[19P-21] **Jun'ichi Ieda** (University of Tokyo)
Matter-wave solitons in a $F = 1$ spinor Bose-Einstein condensate

[19P-22] **Nobuo Furukawa** (Aoyama Gakuin University)
Monte Carlo methods for Fermionic systems coupled with adiabatical fields

[19P-23] **Yoshiki Imai** (PRESTO-JST)
Low-energy excitations of the Hubbard model on the Kagomé lattice

[19P-24] **Masato Kishi** (University of Tokyo)
DMRG study of direct external field responses of the 1D Hubbard model

[19P-25] **Toshihiro Kubo** (Tokyo University of Science)
Many-body effects on tunneling of electrons in magnetic-field-induced quasi one-dimensional systems in quantum wells

[19P-26] **Masaki Tezuka** (University of Tokyo)
Correlated electron systems coupled to phonons - A DMRG study for the Holstein-Hubbard model

[19P-27] **Yoshihiro Nemoto** (Osaka University)
Superconducting mechanism of Cu-oxide superconductor and heavy Fermion system material superconductor

[19P-28] **Kyuichi Hirohashi** (ISSP, University of Tokyo)
A microscopic model for ferromagnetism of UGe_2

Poster session 2 (*Friday, February 20*)

∗: invited poster

[20P-2]∗ **Keisuke Totsuka** (YITP, Kyoto University)
Global phase diagram of generalized spin ladders -symmetry restoration and time-reversal symmetry -

[20P-3] **Akinori Nishino** (University of Tokyo)
Completeness of Bethe Ansatz for 1D Hubbard model with AB-flux through combinatorial formulas and exact enumeration of eigenstates

[20P-4] **Hideo Yoshioka** (Nara Women's University)
Properties of nano-graphite ribbons with zigzag edges - difference between odd and even chains -

[20P-5] **Shinsei Ryu** (University of Tokyo)
Crossover of the conductance and local density of states in a single-channel disordered quantum wire

[20P-6] **Yasuhiro Iye** (ISSP, University of Tokyo)
Superconducting network and Hofstadter butterfly in spatially modulated magnetic fields

[20P-7] **Zengo Tsuboi** (ISSP, University of Tokyo)
A nonlinear integral equation for thermodynamics of the $sl(r{+}1)$ Uimin-Sutherland model and its application to an analysis for the thermal and magnetic properties of strong coupling ladder compounds

[20P-8] **Shin Miyahara** (Aoyama Gakuin University)
Field induced magnetic properties in $SrCu_2(BO_3)_2$

[20P-9] **Yuichi Nakamura** (University of Tokyo)
The eigenvalue distribution of the time-evolution operator of a non-equilibrium system

[20P-10] **Shiro Sakai** (University of Tokyo)
Superconductivity in the multi-orbital Hubbard model with the DMFT+QMC method

[20P-11] **Shigeki Onoda** (University of Tokyo, ERATO-JST)
Theory of Mott transition and the criticality in the geometrically frustrated two-dimensional Hubbard model

[20P-12] **Michiyasu Mori** (IMR, Tohoku University)
Friedel oscillations in a two-band Hubbard model for CuO chains

[20P-13] **Tetsuya Mutou** (Saitama University)
Optical conductivity of Ce-based filled skutterudites