

# 物理学第一分野DC3回生研究発表会御案内

下記の通り、DC3回生研究発表会を開催致します。

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日 時 2018年11月26日(月) 9:00~18:20  
場 所 理学研究科5号館 5階・第四講義室(525号室)  
発 表 20分(別に質問時間10分程度)

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発表の順番及び題目は次の通りです。

1. Topological quantum phase transition in an  $SU(N)$ -invariant spin chain  
Kazuhiko Tanimoto (9:00)
2. Photoluminescence dynamics of lead-halide perovskite single crystals  
Takumi Yamada (9:30)
3. Superconductivity in  $Sr_2RuO_4$  micro-rings  
Yuuki Yasui (10:00)
4. Enhancement of Spin-Triplet Superconductivity by Pressure-Induced Critical Ferromagnetic Fluctuations in UCoGe  
Masahiro Manago (10:30)

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11:00~11:10 休憩

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5. The interface motion in the Ising model with heat transfer  
Yusuke Masumoto (11:10)
6. Anomalous diffusion of microspheres in a cell-sized actomyosin droplets  
Masahiro Makuta (11:40)
7. Emergence of spatially-localized nonlinear agents in a simple 2D Navier-Stokes model  
Yoshiki Hiruta (12:10)

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12:40~13:40 昼休み

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8. Inelastic X-ray Scattering Study of Plasmons in liquid Rb at elevated temperatures  
Toru Hagiya (13:40)
9. Statistical mechanical expressions of slip length  
Hiroyoshi Nakano (14:10)

- 1 0 . Semiclassical non-equilibrium dynamics after a quench  
of ultracold Bose gases in optical lattices  
Kazuma Nagao ( 1 4 : 4 0 )
- 1 1 . Quantum many-body dynamics of the Bose-Hubbard system  
with artificial and intrinsic dissipation  
Takafumi Tomita ( 1 5 : 1 0 )
- 1 2 . Nonequilibrium phenomena and controls in strongly correlated  
quantum systems driven by AC and DC electric fields  
Kazuaki Takasan ( 1 5 : 4 0 )
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1 6 : 1 0 ~ 1 6 : 2 0 休憩

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- 1 3 . Dark exciton in monolayer transition metal dichalcogenides  
Satoshi Kusaba ( 1 6 : 2 0 )
- 1 4 . Generalization of Jordan-Wigner transformation and  
exact solution of Majorana-spin coupled model  
Yukihisa Imamura ( 1 6 : 5 0 )
- 1 5 . Time-resolved excitonic Lyman spectroscopy in diamond  
Tomoaki Ichii ( 1 7 : 2 0 )
- 1 6 . Magnetic-field and dimensionality effects on superconductors  
with strong attractive interaction between electrons  
Kyosuke Adachi ( 1 7 : 5 0 )