



## **SPECIAL ISSUE — Electron Correlation in Nanostructures (ECN-2015)**

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### **Infinite single-particle bandwidth of a Mott–Hubbard insulator**

*J. K. Freericks, J. R. Cohn, P. G. J. van Dongen, H. R. Krishnamurthy*

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### **Point-contact Andreev reflection spectroscopy on Bi<sub>2</sub>Se<sub>3</sub> single crystals**

*C. R. Granstrom, I. Fridman, H.-C. Lei, C. Petrovic, J. Y. T. Wei*

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*Sanjay Prabhakar, Roderick Melnik*

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### **Nature of charge order in cuprate superconductors**

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### **Electron correlation effects beyond the random phase approximation**

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### **Rotational tunneling of methyl groups and the electronic heat capacity of EtMe<sub>3</sub>Sb[Pd(dmit)<sub>2</sub>]<sub>2</sub> under magnetic fields**

*Satoshi Yamashita, Masayuki Yoshizumi, Hiroki Akutsu, Yasuhiro Nakazawa*

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### **Energy spectrum and wavefunction of electrons in hybrid superconducting nanowires**

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*H. V. Grushevskaya, G. G. Krylov*

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*S. Kaneko, D. Murai, Sh. Fujii, M. Kiguchi*

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**Quadratic temperature dependence of electronic heat capacities in the  $\kappa$ -type organic superconductors**

*Shusaku Imajo, Satoshi Yamashita, Hiroki Akutsu, Yasuhiro Nakazawa*

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**Charge relaxation and recombination in photo-excited Mott insulators**

*P. Prelovšek, Z. Lenarčič*

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*N. Kristoffel, P. Rubin*

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**Enhancement of Raman light scattering in dye-labeled cell membrane on metal-containing conducting polymer film**

*H. V. Grushevskaya, N. G. Krylova, I. V. Lipnevich, T. I. Orekhovskaja, V. P. Egorova, B. G. Shulitski*

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**Nanostructures in silicon carbide crystals and films**

*S. I. Vlaskina, S. P. Kruchinin, E. Ya. Kuznetsova, V. E. Rodionov, G. N. Mishinova, G. S. Svechnikov*

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**Thermodynamics of the d-wave pairing in organic superconductors**

*S. Kruchinin, A. Zolotovskiy, S. Yamashita, Y. Nakazawa*

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