Curriculum Vitae

Name	Giorgi
Surname	Japaridze
Date and place of birth	29 July, 1953
Address: **Work**	0177-Tbilisi, 6, Tamarashvili St., Andronikashvili Institute of Physics
Education:	Higher
1975	Faculty of Physics, Tbilisi State University; speciality; theoretical physics
Scientific degree and title:	
1978	Postgraduate, Institute of Physics, Georgian Academy of Sciences
1983	Candidate of Physico-Mathematical Sciences
1998	Doctor of Physico-Mathematical Sciences
2001	Corresponding Member of the Georgian Academy of Sciences
Positions held:	
1978-1982	Junior Research Worker, E.Andronikashvili Institute of Physics
1982-1998	Chief Scientific Worker, E.Andronikashvili Institute of Physics
2005	to the present day – Leading Research Worker, Head of Department of the Physics of Condensed Media, E.Andronikashvili Institute of Physics
2004-2005	Acting Vice-President of the Georgian National Academy of Sciences
Since 1998	Invited Professor at Tbilisi State University
Sphere of scientific interests:	theory of low-dimensional strongly correlated electron and spin systems; theory of metal-insulator transitions; theory of high-temperature and other unusual super-conductive systems; theoretical nanophysics and material science of modern nanoelectronics
Number of published works	55
List of principal scientific works:	

1. G.I. Japaridze, Henrik Johannesson, and Alvaro Ferraz *Metal-insulator transition in a quantum wire driven by a modulated Rashba spin-orbit coupling*, Phys. Rev. B 80, 041308 (R) (2009).
2. G.I. Japaridze, R. Hayn, P. Lombardo and E. Mueller-Hartmann, *Band-Insulator-Metal-Mott-Insulator transition in the* half--filled t-t' ionic-Hubbard chain, Phys. Rev. B 75, 245122 (2007).
3. V. Gritsev, G. Japaridze, M. Pletyukhov, and D. Baeriswyl *Competing Effects of Interactions and Spin-Orbit Coupling in a Quantum Wire* Phys. Rev. Lett. 94, 137207 (2005).
4. A.P. Kampf, M. Sekania, G.I. Japaridze, and Ph. Brune, *Nature of the insulating phases in the half-filled ionic Hubbard model* Jour. Phys. C: Cond. Matt. v. 15, 5895-5907 (2003).
5. G.I. Japaridze and A.P. Kampf, *Phase diagram of the extended Hubbard model with correlated-hopping interactions* Phys. Rev. B v. 59, 12822-12829, (1999).
6. G. Bouzerar, A.P. Kampf and G.I. Japaridze, *Elementary excitation in dimerized and frustrated Heisenberg chains* Phys. Rev. B v. 58, 3117-3123, (1998).
7. G.I. Japaridze *The bond--located antiferromagnetism in the One--Dimensional interacting electron system* Physics Letters A, v.201, 239-246, (1995).
8. G.I. Japaridze and E.Mueller-Hartmann, *Electrons with correlated hopping interaction on one dimension ,* Annalen der Physik, v.3, 163-180, (1994).

9. A.A. Nersesyan, G.I. Japaridze and I.G. Kimeridze, *Low-temperature magnetic properties of the two-dimensional spin nematic,* Journal of Physics C: Cond.Matt., v.3, 3353, (1991).
10. G.I. Japaridze, A.A. Nersesyan and P.B. Wiegmann, *Exact results in two-dimensional U(1)-Thirring model,* Nuclear Physics B, v.230, FS10, 511, (1984).
11. G.I. Japaridze and A.A. Nersesyan,*Phase transition with respect to magnetic field in one-dimensional electron system,* Pis'ma ZhETF, v.27, 356, (1978).

Prizes, awards:

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