

CURRICULUM VITAE

1. Informatii personale

Prenume, nume de familie: Valeriu MOLDOVEANU

Data si locul nasterii: 21 Septembrie , 1974, Bucuresti, Romania

Pozitia ocupata in prezent: Cercetator Stiintific II (Institutul National de Cercetare-Dezvoltare pentru Fizica Materialelor - INCDFM, Bucuresti)

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2. Studii

2000-2004: Studii doctorale in Fizica Teoretica la Universitatea Bucuresti (Facultatea de Fizica) si Université de la Méditerranée Marseille II (cotutela)

1998-2000: Masterat in Fizica Solidului, Facultatea de Fizica

1993-1998: Facultatea de Fizica, Universitatea Bucuresti.

1989-1993: Liceul de Posta si Telecomunicatii Nr. 13, Bucuresti.

3. Experienta profesionala

2009-prezent Cercetator Stiintific II la INCDFM (Grupul de Fizica Teoretica)

2004-2009 Cercetator Stiintific III la INCDFM (Grupul de Fizica Teoretica)

2000-2004 Cercetator Stiintific la INCDFM (Grupul de Fizica Teoretica)

1999-2000 Asistent Cercetare la INCDFM (Grupul de Fizica Teoretica)

- Stagii de cercetare la Science Institute, Reykjavik, Iceland (2-3 luni/an 2005-2010)

- Stagii de cercetare la Physics Department, Bilkent University, Turkey (2-3 luni/an 2005-2010, granturi NATO-Tubitak si Tubitak)

- Stagii de cercetare la Department of Mathematical Sciences, Aalborg, Denmark (Septembrie-Decembrie 2010, Februarie-Aprilie 2011).

4. Domeniu de interes stiintific Fenomene de transport in sisteme mezoscopice: teorie si modelare.

5. Publicatii selectate

1. Dynamic correlations induced by Coulomb interactions in coupled quantum dots, V. Moldoveanu, A. Manolescu, and V. Gudmundsson, Phys. Rev. B 82, 085311 (2010).

2. Tunable spin currents in a biased Rashba ring, V. Moldoveanu and B. Tanatar, Phys. Rev. B 81, 035326 (2010).

3. Inelastic transitions and counterflow tunneling in double-dot quantum ratchets, V. Moldoveanu and B. Tanatar, Phys. Rev. B 82, 205312 (2010).

4. Theoretical investigation of modulated currents in open nanostructures, V. Moldoveanu, A. Manolescu, and V. Gudmundsson, Phys. Rev. B 80, 205325 (2009).

5. Coulomb drag in parallel quantum dots, V. Moldoveanu and B. Tanatar, EPL (Europhysics Letters) 86, 67004 (2009).

6. Geometrical effects and signal delay in time-dependent transport at the nanoscale, V. Moldoveanu, V. Gudmundsson, and A. Manolescu, New Journal of Physics 11, 073019 (2009).

7. Coulomb effects in open quantum dots within the random-phase approximation, V. Moldoveanu and B. Tanatar, Phys. Rev. B 77, 195302 (2008).

8. Controlled dephasing in single-dot Aharonov-Bohm interferometers, V. Moldoveanu, M. Tolea, and B. Tanatar, Phys. Rev. B 75, 045309 (2007).

9. Transient regime in nonlinear transport through many-level quantum dots, V. Moldoveanu, V. Gudmundsson, A. Manolescu, Phys. Rev. B 76, 085330 (2007).

10. Nonadiabatic transport in a quantum dot turnstile, V. Moldoveanu, V. Gudmundsson, and A. Manolescu, Phys. Rev. B 76, 165308 (2007).