

CURRICULUM VITAE

Personal data:

Name: Dimitris E. Katsanos
Nationality: Greek
Address: Department of Physics
University of Ioannina
Ioannina, Greece
tel. ++30 2651 008493
e-mail: dkatsan@uoi.gr

Education:

Diploma Physics, University of Ioannina Greece, 1982
Ph.D. Physics, University of Ioannina, 1998
Thesis: Localization and eigenvalues statistics of mesoscopic quantum systems.

Employment:

1983-1998: Research Assistant, University of ioannina
1988-1990: National Military Service
1999- Lecturer, Physics Dept. University of ioannina

Research interests:

Nonlinear Systems and Chaotic Dynamics
Localization and Disordered Systems
Level Statistics of Mesoscopic Systems

Conferences:

1986 30 Sept.-3 Oct. Ioannina:
2nd Panhellenic Conference on Solid State Physics
1987 15 June.-26 July. Maleme, Crete:
NATO ASI on Alloy Phase Stability
1991 11-20 July. Patras:
NATO ASI on Chaotic Dynamics, Theory and Practice
1992 13-19 Sept.. Hersonissos Crete:
Workshop on Localization
1992 26-29 Sept. Ioannina:
8th Panhellenic Conference on Solid State Physics
1993 19-30 July. Patras:
6th Summer School: Non linear Systems
1993 26-29 Sept: Chantilly, France:

- HCM meeting: Mesoscopic Systems
- 1994 7-11 Nov. Thessaloniki Greece:
Eurolights I: Light on Organized Molecular Systems
- 1996 22 July.-2 Aug. Patras:
9th Summer School: Nonlinear Systems and Chaotic Dynamics
- 1997 21-24 Sept. Thessaloniki Greece:
8th Panhellenic Conference on Solid State Physics
- 1998 25-31 May, Ioannina Greece:
2nd TMR meeting: Phase-Coherent Dynamics in Hybrid Nanostructures
- 1998 13-25 July. Livadeia Greece:
11th Summer School: Nonlinear Dynamics: Chaos and Complexity
- 1998 15-18 Sept. Ioannina Greece:
14th Panhellenic Conference on Solid State Physics
- 1999 14-24 July Patras Greece:
12th Summer School: Nonlinear Dynamics: Chaos and Complexity
- 2000 17-28 July. Chania Greece:
13th Summer School: Nonlinear Dynamics: Chaos and Complexity
- 2000 17-20 Sept. Nafplio:
16th Panhellenic Conference on Solid State Physics

List of publications:

1. "Plasmon Bands in X-Ray Spectra of Polycrystalline Beryllium"
D.K.Papademetriou, D.E.Katsanos, and A.G.Doukas
Physica Status Solidi (b) **133**, 223 (1986).
2. "Energy Bands in the Region of Inelastically X-Ray Scattered Radiation of Cu in Polycrystalline Be"
D.K.Papademetriou, A.D.Zdetsis and D.E.Katsanos
Physics Letters A **130**, 319 (1988)
3. "Super-Diffusion in Random Chains with Correlated Disorder"
S.N.Evangelou and D.E.Katsanos
Physics Letters A **164**, 456 (1992).
4. "Multifractal Quantum Evolution at a Mobility Edge"
S.N.Evangelou and D.E.Katsanos
J. Phys. A: Math. Gen. **26**, 1243 (1993).
5. "Quantum Electron Dynamics in Periodic and Aperiodic Sequences"
D.E.Katsanos, S.N.Evangelou, and S.J.Xiong
Physical Review B **51**, 895 (1995).
6. "Energy Level Statistics in Disordered Metals with an Anderson Transition"
S.N.Evangelou and D.E.Katsanos
Journal of Statistical Physics **85**, 525 (1996).

7. "Two Interacting Electrons in a Quasiperiodic Chain"
S.N.Evangelou and D.E.Katsanos
Physical Review B **56**, 12797 (1997).
8. "Superconductivity-Induced Anderson Localisation"
D.E.Katsanos, S.N.Evangelou and C.J.Lambert
Physical Review B **58**, 2442 (1998).
9. "Localization Transition in Multilayered Disordered Systems"
S.N. Evangelou, Shi-Jie Xiong, P. Markos and D.E. Katsanos
Physical Review B **63**, 144526 (2001).
10. "Level-spacing distribution of a fractal matrix"
D.E. Katsanos and S.N. Evangelou
Physics Letters A **289**, (2001) 183-187.
11. "Spectral Statistics in Chiral-Orthogonal Disordered Systems"
S.N.Evangelou and D.E.Katsanos
J. Phys. A: Math and Gen. **36** (2003) 3237-3254.
12. "Critical chaotic spectra of one and two interacting electrons in quasiperiodic chains"
S.N.Evangelou, D.E.Katsanos and B. Kramer
Lecture Notes in Physics: Anderson Localization and its Ramifications
Springer, T. Brandes S. Kettermann (Eds.) (2003).
13. "Fractal Noise in Quantum Ballistic and Diffusive Lattice Systems"
E. J. Amanatidis, D. E. Katsanos, and S. N. Evangelou
Phys. Rev. B **69**, 195107 (2004)
14. "Quantum correlations from Brownian diffusion of chaotic level-spacings"
S.N.Evangelou and D.E.Katsanos
Physics Letters A **334**, (2005) 331-336.
15. "Quantum walks on a random environment"
Yue Yin, D.E.Katsanos and S.N.Evangelou
Phys. Rev. A **77**, 022302 (2008)
16. "Critical level-statistics for weakly disordered graphene"
I Amanatidis, I. Kleftogiannis, D.E.Katsanos and S.N.Evangelou
J. Phys. Condens. Matter, **2014** Apr 16; 26(15): 155601

Teaching:

Undergraduate Courses: Fundamental Physics (Mechanics), Computing, Laboratories of Fundamental Physics (Mechanics), Analog and Digital Electronics.

Graduate Courses: Transmission Lines.