

CURRICULUM VITAE

Stavros-Richard G. Christopoulos

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CURRENT POSITION

Department of Solid State Physics, Faculty of Physics, National and Kapodistrian University of Athens

Panepistimiopolis
15784 Zografos, GREECE

Ph.D. Candidate, Solid State Section and Solid Earth Physics

2010 – Present
(expected July 2014)

“Complex Dynamical Systems and Natural Time. Applications to seismicity”

EDUCATION

National Technical University of Athens, School of Applied Mathematical and Physical Sciences, Department of Physics

Zografos Campus
15780 Zografos, GREECE

M.Sc. : “Physics and Technological Applications”

2009

National and Kapodistrian University of Athens, School of Science, Faculty of Physics

Panepistimiopolis,
15784 Zografos, GREECE

Ptychion (4-year B.Sc.) in Physics

2007

REFEREED PUBLICATIONS

N. V. Sarlis and S.-R. G. Christopoulos, “**Visualization of the significance of Receiver Operating Characteristics based on confidence ellipses**”, Computer Physics Communications 185, 1172–1176 (2014), doi: 10.1016/j.cpc.2013.12.009

N. V. Sarlis and S.-R. G. Christopoulos, “**Predictability of the coherent-noise model and its applications**”, Physical Review E statistical, nonlinear, and soft matter physics 85, 051136 (2012), doi: 10.1103/PhysRevE.85.051136

N. V. Sarlis and S.-R. G. Christopoulos, “**Natural time analysis of the Centennial Earthquake Catalog**”, Chaos: An Interdisciplinary Journal of Nonlinear Science 22, 023123 (2012), doi: 10.1063/1.4711374

PRESENTATIONS

European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April – 2 May 2014. “**Applications of the predictability of the coherent noise model to aftershocks sequences**.” (S.-R.G. Christopoulos and N.V. Sarlis) [accepted for presentation]

European Seismological Commission 2012, Moscow, Russia, 25-30 August 2012. “**The usefulness of natural time analysis in identifying the time of an impending mainshock**.” (P.A. Varotsos, N.V. Sarlis, E.S. Skordas, S.-R.G. Christopoulos)

European Geosciences Union General Assembly 2012, Vienna, Austria, 22–27 April 2012. **“Natural time analysis of global seismicity: the identification of magnitude correlations.”** (N.V. Sarlis and S.-R.G. Christopoulos)

RECHARCH EXPERIENCE

Department of Solid State Physics, Faculty of Physics, National and Kapodistrian University of Athens

Panepistimiopolis
15784 Zografos, GREECE

Graduate Researcher; Supervisor: Associate Professor Nicholas V. Sarlis

2010-present

- Natural time analysis of earthquake events
- Time series analysis
- Models and Earthquake predictability
- Analytical and semi-analytical solutions
- Complex systems
- Numerical models for the analysis of experimental data

National Technical University of Athens, School of Applied Mathematical and Physical Sciences, Department of Physics

Zografos Campus
15780 Zografos, GREECE

Graduate Researcher; supervisor: Associate Professor Myrsini Makropoulou

2008-2009

- M.Sc. Thesis: “Design and development an Optical Coherence Tomography (OCT) device”

National and Kapodistrian University of Athens, School of Science, Faculty of Physics

Panepistimiopolis,
15784 Zografos, GREECE

Supervisor: Assistant Professor Costas Lioliousis

2006-2007

- B.Sc. Thesis: “Biological Effects of Electromagnetic Radiation. (Base stations for mobile phones)”

TEACHING EXPERIENCE

National and Kapodistrian University of Athens, School of Science, Faculty of Physics

Panepistimiopolis,
15784 Zografos, GREECE

Teaching Assistant

2010-2012

General High School of the municipality of Lipsi

Lipsi, Dodekanisos GREECE

Physics Teacher

2009-2010

2nd General High School of the municipality of Nikaia

Nikaia, Attiki GREECE

Physics Teacher

2008-2009

ADDITIONAL SKILLS

Excellent knowledge of Linux, Mac OS, Windows, Unix, DOS, FORTRAN, Pascal, C, C++, PHP, JavaScript, HTML 5, CSS 3, MYSQL, Microsoft office (certification), Networks

REFERENCES

Panayiotis A. Varotsos, Ph.D.

Professor of Physics

Director of Physics Laboratory

Solid State Section and Solid Earth
Physics Institute

Physics Department

University of Athens, Athens

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Associate Professor

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Efthimios S. Skordas, Ph.D.

Assistant Professor

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