

# Curriculum Vitae

## • Personal Data

Name: Phivos Mavropoulos  
Date of birth: November 18, 1971, in Athens, Greece  
Professional Address: Department of Physics, National and Kapodistrian University of Athens, 15784 Zografou, Greece  
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## • Employment

Since 2018 Professor in *Statistical Condensed Matter Physics* at the Department of Physics, National and Kapodistrian University of Athens, Greece  
2009 - 2017 Staff researcher at the Institute for Advanced Simulation, Research Centre Jülich, Germany  
2001 - 2008 Post Doctoral Researcher at the Institute for Solid State Research and at the Institute for Advanced Simulation, Research Centre Jülich, Germany

## • PhD Thesis

2000 PhD Thesis at the Department of Physics, National and Kapodistrian University of Athens, Greece. Subject: *Electronic Structure and Transport Phenomena in Dilute Metallic Alloys*. Thesis supervisor: Prof. Nikolaos Stefanou

## • Education

1998 Master's degree in Condensed Matter Physics at the Department of Physics, National and Kapodistrian University of Athens, Greece  
1994 Degree in Physics at the Department of Physics, National and Kapodistrian University of Athens, Greece

• **Publication record**

70+ publications in international refereed journals  
ResearcherID: [www.researcherid.com/rid/H-6189-2013](http://www.researcherid.com/rid/H-6189-2013)  
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• **Research Interests**

**Methods:** Ab-initio Green-function based methods for the electronic structure and electron transport in materials;  
Scattering methods and Boltzmann equation;  
Monte Carlo methods;  
Atomistic Spin Dynamics.

**Systems:** Magnetic metallic alloys, surfaces, and heterostructures with insulators;  
Magnetic defects in metals and insulators;  
Magnetically doped Topological Insulators and Weyl Semimetals.

**Phenomena:** Magnetic excitations, magnetic phase transitions;  
Electron and spin-caloric transport in magnetic metallic systems;  
Spin transport and spin Hall effect;  
Spin-flip phenomena and spin relaxation;  
Spin-orbit torque.

Athens, January 2021