



# George Datseris

## Curriculum Vitae

### Personal Information

Full Name **George Datseris**  
Birth Date **13th of April, 1991**  
Address **Kurze-Geismar-Str. 30a, 37073 Göttingen, Germany**

### PhD

Present **PhD in Physics: Mesoscopic Transport Theory for Graphene Nanostructures**, *Max Planck Institute for Dynamics and Self-organization*, Group of Mesoscopic Transport, Göttingen, Germany.

Supervisors: Prof. Theo Geisel, Dr. Ragnar Fleischmann; members of the T.A.C.: Prof. Stephan Herminghaus, Dr. Michael Wiltzeck.

### MSc in Physics

Grade: **Master's Degree in the specialty of "Physics of Materials" (120 9.28/10.0 ECTS)**, *National and Kapodistrian University of Athens, Faculty of Physics*, Athens, 2014 - 2016.

Thesis **Quasi-classical Magneto-transport in Graphene Antidot Superlattices**, *Supervisors: Prof. Theo Geisel, Prof. Georgios Triberis, As. Prof. Nicholas Sarlis & Dr. Ragnar Fleischmann.*

Notice: This MSc. thesis was carried out fully in the Max Planck Institute for Dynamics & Self-Organization (Germany).

### BSc in Physics

Grade: **Beachelor in Physics (240 ECTS)**, *Majored in Solid State Physics*, *National and Kapodistrian University of Athens, Faculty of Physics*, Athens, 2009 - 2014.

Thesis **Auto- and Cross- Correlations in the Standard Map: Structure and Origin**, *Supervisors: Prof. Fotios Diakonou & Prof. Georgios Triberis.*

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## Awards

- 2018 **Winner of DSWeb Dynamical System Software Competition by SIAM.**  
First place winner of category "Graduate/Undergraduate", using the software **DynamicalSystems.jl** as a submission. For more details please see the official statement.
- 2016 - 2019 **International Max Planck Research School Scholarship.**  
This 2(+1)-years scholarship covers a full PhD project and was awarded to me on July/2016 for my project "*Mesoscopic Transport Theory for Graphene Nanostructures*".

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## Publications

- 6/2015 **Effective intermittency and cross correlations in the standard map,**  
*Phys. Rev. E* **92**, 012914 (2015).

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## Developed Softwares

- **DynamicalSystems.jl**
- **DynamicalBilliards.jl**
- JuliaMusic

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## Teaching

- 2016+2017 **Introduction To the Physics of Complex Systems,** *University of Göttingen.*  
Tutoring for the course (total amount of around 48 hours) with lecturers R. Fleischmann, U. Parlitz and K. Alim.
- 4-6/2014 **Chaos in 1D and 2D Maps,** *University of Athens.*  
Total of 9 hours lecture for the course called "Non-linear dynamical systems". The units I taught undergraduate students were 1D Chaotic Maps, 2D Hamiltonian Maps, Lyapunov exponents and Invariant measures.

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## Computer skills

- Expert Python, Julia, L<sup>A</sup>T<sub>E</sub>X, Microsoft Office, Cubase.
- Intermediate C, Photoshop, Corel Photo-paint.
- Basic Mathematica, Computer Hardware and Support, 3D Modelling in Maya-2012.

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## Arts

- Music **Professional Drummer.** Graduated from Philippos Nakas school of music in association with Berklee college of music with diploma grade: "Very Good". During the 10+ years of playing drums I have been leading numerous groups of amateur and professional musicians, obtaining skills in leadership, distributing work and coordinating groups of individuals.  
The diploma in modern drumset and theory of jazz music was awarded to me in July 2015.

Painting **Spray Paint Artist.** I have been a spray paint artist for 4 years now and I have hosted numerous exhibitions, including one at a municipal art-gallery. I also run a free art workshop, where I voluntarily teach other people the art of spray painting.

## Languages

Mothertongue **Greek**

Expert **English**

*Proficiency degree from the University of Michigan*

Intermediate **Spanish**

*B2 National degree*

## Interests

- Science
- Painting
- Cooking

- Music
- Videogames
- Software Development