



Nefeli Tsigkri

Curriculum Vitae

Personal Information

Date of birth: June 25, 1988

Nationality: Greek, Belgian

Education

2016-2020 **PhD, Physics**, University of Athens & NCSR "Demokritos"

12/2013-
05/2015 **MSc Thesis Research** NCSR"Demokritos"(10/10)

2016-2020 **PhD, Physics** University of Athens (240 ECTS)

2013-2015 **MSc, Physics** University of Athens- very good (120 ECTS)

2006-2012 **BSc, Physics** University of Athens - Grade: 7.1 , (240 ECTS)

Professional Experience

2015-Today **Research Assistant**, NCSR "Demokritos", - Lab. Director: Dr. A. Provata.

04/2018-
07/2018 **Conference, Summer School Organisation**

Member of the local organizational committee of the 25th Summer School-Conference on Dynamical Systems and Complexity, 9-17 July, Athens

09/2014 **Presenter**, - *Researcher's Night 2014*, NCSR "Demokritos"

02/2014-
07/2014 **Conference, Summer School & Workshop Organisation.**

Member of the local organizational committee of a) the 4th PhD School-Conference on Mathematical Modelling of Complex Systems and b) the 4th International Workshop on Statistical Mechanics and Dynamical Systems

Awards

2018-2020 **Scholarship** from the State Scholarship Foundation (IKY)

2018 **Travel Grant** -Conference on Complex Systems (CCS) 2018

2015 **1st Prize, Best Abstract and Presentation**, (1000 E), (<http://ysc.escience.ifmo.ru/>).
4th International Young Scientists Conference, 25/06-3/07, Athens, Greece

2015 **Honorary Award for Best Poster.**

4th PhD School-Conference on Mathematical Modelling of Complex Systems , Patras, Greece

Scientific Activities-Seminars-Summer Schools

11/2017 **Research Visit** -University of Namur- Prof. T. Carletti group

2014-2015 **Research Visit** Technical University of Berlin- BCCN-Nachwuchsgruppe

2013-2016 **Participation in Research Programs**

a)IKYDA 2013-2015 and b)-MSCA-RISE 2014-2016

2013-2017 **Seminars** - attended several seminars at NCSR "Demokritos", TU Berlin and UNamur

Computer skills

CPL Fortran

Typeset L^AT_EX

Software Pkg gnuplot,xmgrace, Origin, Matlab

Office Pkg OpenOffice, Microsoft Office (ECDL Core Certificate 4.0) O/S Linux,

Windows, Mac OS

Languages

Native in **Greek & Belgian Dutch**

Proficient in **English**

CPE Certificate

Competent in **French**

Delf1

Beginner in **German**

B1 level

Participation in International Conferences

2018 International Conference on Complex Systems (CSS), 23-28 September, Thessaloniki, Greece

2018 in the 25th Summer School-Conference on Dynamical Systems and Complexity, 9-17 July, Athens, Greece

2015 in the 5th PhD School-Conference in Mathematical Modelling of Complex Systems,20-30 July 2015, Patras, Greece

2015 4th International Young Scientists Conference (YSC), 25 June-3 July 2015, Athens, Greece

2015 International Workshop on "Mathematical Modelling of Complex Systems with Applications to Biomedicine, Physics and Technology of Materials", 23- 25 July, Patras, Greece

2014 4th International Workshop on "Statistical Mechanics and Dynamical Systems", 17-19 July 2014, Athens, Greece

Publications in International Journals & Conferences

- J4. N.D. Tsigkri-DeSmedt, N. Sarlis, A. Provata.: "Shooting solitaries due to small-world connectivity in leaky integrate-and-fire networks", *Chaos* 31(8), 083129 (2021)
- J3. N.D. Tsigkri-DeSmedt, I.Koulierakis, G.Karakos, A. Provata.: "Synchronisation patterns in LIF neuron networks: merging nonlocal and diagonal connectivity", *Eur. Phys. J. B* 91:305 (2018)
- J2. N.D. Tsigkri-DeSmedt, J. Hizanidis, E. Schöll, P. Hövel, A. Provata.: "Chimeras in Leaky Integrate-and-Fire Neural Networks: Effects of Reflecting Connectivities", *Eur. Phys. J. B* 90:139 (2017).
- J1. N.D. Tsigkri-DeSmedt, J. Hizanidis, P. Hövel, A. Provata.: "Multi-chimera States and Transition in the Leaky Integrate-and-Fire Model with Nonlocal coupling and Hierarchical connectivity", *EPJST Springer* 225 (5)(2016)

- C2. N.D. Tsigkri-DeSmedt, P. Vlamos, A. Provata: "Finite Size Effects in Networks of Coupled Neurons", *Advances in Experimental Medicine and Biology*, 1194, pp.397-407, (2020).

- C1. N.D. Tsigkri-DeSmedt, J. Hizanidis, P. Hövel, A. Provata: "Multi-chimera states in the Leaky Integrate-and- Fire model", *Procedia Computer Science*, Vol. 66, 13-22, (2015), arxiv:1509.08668

Other Interests

Music, Travelling to explore different cultures, Sports