

Theodoros Kasimatis
PhD Student
email: t.kasimatis@inn.demokritos.gr
tel: 0030 6938458189

Researcher unique identifier by Scopus: 57193771473;
Nationality: Greek Date of birth: 07/11/1991

Education:

2016-present: PhD Student

Institute: National Center for Scientific Research "Demokritos" & National Technical University of Athens.

PhD Subject: "Dynamical phenomena in networks of coupled non linear oscillators"

2014-16: MSc in Material Physics

Institute: National and Kapodistrian University of Athens

Grade: 8,22

Thesis title: "Synchronization phenomena in neuron networks"

2009-14: BSc in Physics

Institute: National and Kapodistrian University of Athens

Grade: 7,27

Thesis title: "Deviations in the nematic phase of liquid crystals"

Publications :

13/2/2019: George Argyropoulos, **Theodoros Kasimatis**, and Astero Provata

"Chimera patterns and subthreshold oscillations in two-dimensional networks of fractally coupled leaky integrate-and-fire neurons"

Phys. Rev. E **99**, 022208

22/5/2018: **Theodoros Kasimatis**, Johanne Hizanidis and Astero Provata

"Chimera patterns in three-dimensional networks of coupled Leaky Integrateand-Fire oscillators"

Phys. Rev. E **97**, 052213

28/3/2017: Alexander Schmidt, **Theodoros Kasimatis**, Johanne Hizanidis, Astero Provata, and Philipp Hovel

"Chimera patterns in two-dimensional networks of coupled neurons"

Phys. Rev. E **95**,032224

Conferences-Summer schools-Cooperations:

2-24/10/2017: Visiting researcher in the Technical University of Berlin: Institut fur Theoretische Physik under SFB 910 program TU Berlin.

7/2017: 24th Summer school-conference in "Dynamical Systems and Complexity": Volos Greece.

8/2016: 23rd Summer school-Conference in "Dynamical Systems and Complexity": Kalandra, Chalkidiki, Greece

6/2016: International conference Dynamics Days 2016, Corfu Greece.

2015-present: Member of the Complex Systems and Applications (COSA) research network , NCSR "Demokritos" <http://cosa.inn.demokritos.gr>