

# Chadoulis Rizos-Theodoros

*Physicist, PhD Candidate at AUTH,  
Research Assistant at CERTH-ITI*

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## Education

- 2021– **PhD, Signal Processing – Information Analysis**, Computer Science Department, Aristotle University, Thessaloniki, (ongoing).
- 2021– **Msc, Environmental Physics**, Aristotle University, Thessaloniki, (ongoing).
- 2019–2022 **Msc, Communication Networks and Systems Security**, Aristotle University, Thessaloniki, (graduation pending).
- 2018–2020 **Msc, Digital Media-Computational Intelligence**, Aristotle University, Thessaloniki.
- 2009–2018 **Physics Degree**, Aristotle University, Thessaloniki.
- 2018–2019 **Certificate of Postgraduate Education, Natural Catastrophic Phenomena from the point of view of Climate Change**, Hellenic Open University, Patra.

## Honours & Awards

- 2022 **Sustainability Hackathon Winner**, Crowd Policy .

## Experience

### Vocational

- May, 2020– **Research Assistant**, CERTH/ITI Remote Sensing research team, Thessaloniki.
- 2021– **Coordinator of the Working Group on Open Government and Open Data for Water Resources**, Greek Free Open Source Software Society.
- 2021– **Angular Developer**, Freelance.  
1) September 2021 - Brain Balance Consulting | <https://www.brainbalance.gr>.
- 2018–2019 **E-commerce Data Analyst**, Zpharmacy.gr, Drama, Greece.  
Dealing with the pricing policy and keeping track of the finances of the enterprise.
- 2016–2017 **Weather Observer**, HNMS.

## Conference Publications

**Authorship Attribution in Greek Literature Using Word Adjacencies**, R.T. Chadoulis, Nikolaou Andreas, Constantine Kotropoulos.  
STN 2022

**Employing Land Surface Phenology for the assessment of forest gain and loss around Lake Sevan in Armenia and Kolkheti lowlands in Georgia**, *M.Banti, E.Katsikis, A.Harutyunyan, Y. Danelyan, I. Macharasvili, G. Mikeladze, R.T. Chadoulis, C. Kalogeropoulos, I. Soubry, I. Manakos*, (manuscript accepted).

Living Planet Symposium 2022

**Determination of uncertainty in hourly and daily averages of solar irradiance due to missing measurements**, *Bais Alkiviadis, Chadoulis Rizos-Theodoros*, <https://aip.scitation.org/doi/10.1063/1.5091276>.

10th International Physical Conference of the Balkan Physical Union.

## Teaching

2019–2020 **Volunteer Teacher**, *Community Centre Portokalian*, Thessaloniki, Greece.

2019 **Course Facilitator**, *Bulgarian Sports Development Association*.

During a series of Training Courses of the Erasmus Plus Collaborative Partnership in the field of Sport "Good governance in sport" (GGS) (Reference n. 590305-EPP-1-2017-1-BG-SPO-SCP) coordinated by Bulgarian Sports Development Association, I was in charge of two, 2-hour sessions on "Accessibility of Sport Organisation in online environment". The first Training Course was held in Sassari, Italy in the period 29/05-03/06/2019. The second Training Course was held in Budapest, Hungary in the period 28/11-2/12/2019.

## Seasonal Schools Attended

2017 **IEEE-Building Blocks for the IOT**, *BB School*.

2019 **AIIA Summer School on Autonomous Systems 2019**, *Focus on autonomous cars, drones*.

2019 **1st EURASIP-GAIPDM Seasonal School on "Learning from Signals, Images and Video"**.

2019 **Workshop - Computational Materials Science (HSSTCM)**.

2020 **HelloAIRIS - Artificial Intelligence Online Training**, *(Organized by GE Healthcare, KTH Royal Institute of Technology and LEITAT Technological Center)*.

## Computer skills

Programming Languages Python, Java, Typescript, Javascript, R,  $\LaTeX$ , Matlab

Full Stack Web Frameworks Nodejs, Django

Front-end Web Frameworks Angular

Concepts Data science, Machine learning, Neural Networks, Signal Analysis, Complex Advanced Networks, Graph Signal Processing, GIS

Hands-on Experience Improving the greek language model of Spacy with Prodigy, Fast Convolution Algorithms, Hyperspectral Imaging for Presymptomatic Detection of Plant Disease, Watermarks

Adobe Suite Adobe Photoshop, Adobe Illustrator, Adobe XD

Github <https://github.com/chadoulis>

### Miscellaneous

2020– **Founder**, [www.dataanalyst.gr](http://www.dataanalyst.gr), A community of physicists and mathematicians from the Aristotle University of Thessaloniki, with theoretical background in data science and keen interest in web developing.

## Languages

Greek Native speaker

English C2

*Cambridge Proficiency in English*

German C1 *Mitteltstufe, Certification Date Oct 2006 – Present License 1618-M-01007-06*

## Other skills

Public speaking, Problem solving, Abstract thinking, Teaching, Working in teams, Leading and following