Dimitrios Tsintsilidas

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Education

Doctorate of Philosophy   **October 2023 – Present**
in Computer Science
University of Warwick
○ Supervised by Prof. Igor Carboni Oliveira and Prof. Christian Ikenmeyer
○ Working with the Theory and Foundations (FoCS) group

Master of Science   **October 2022 – September 2023**
in Pure Mathematics
Aristotle University of Thessaloniki
○ GPA: 9.85/10 (1st in my class)
○ Master's Thesis: *"Sheaves on Topological Spaces, Sites and Group Categories"* (link)
  supervised by Prof. Chrysostomos Psaroudakis

Diploma (with integrated Master's)   **September 2017 – July 2022**
in Electrical and Computer Engineering
Aristotle University of Thessaloniki
○ GPA: 9.5/10 (1st in my class)
○ Diploma Thesis: *"Certifiable Random Number Generation with Nonlocal Games"* (link)
  supervised by Dr. Alex Bredariol Grilo

Research and Teaching Experience

Graduate Teaching Assistant   **Term 2, 2023/2024**
CS419 – Quantum Computing (Prof. Sergii Strelchuk)
CS356 – Approximation and Randomised Algorithms (Prof. Artur Czumaj)
Deparament of Computer Science at the University of Warwick

Graduate Teaching Assistant   **Term 2, 2023/2024**
MA3E1 – Groups and Representations (Prof. Christian Ikenmeyer)
Deparament of Mathematics at the University of Warwick

Research Internship   **September 2021 – January 2022**
LIP6 (CNRS and Sorbonne University)
Supervisor: Dr. Alex Bredariol Grilo
Research topic: "Nonlocal Games with applications in Complexity Theory and Cryptography"

Undergraduate Research Project   **September 2020 – March 2021**
Wireless Communications and Information Processing (WCIP) Group of Aristotle University of Thessaloniki
P.I.: Prof. George K. Karagiannidis
Research topic: "Applications of Graph Theory to Nonconvex Network Optimisation Problems"

Teaching Assistant   **Winter Semester, 2018/2019**
"Problems for Mathematical Olympiads" Course (Prof. Romanos Diogenes Malikiosis)
Deparament of Mathematics at Aristotle University of Thessaloniki

Academic Interests

○ Complexity Theory   ○ Logic (Proof Complexity)
○ Algebra (Algebraic Complexity)   ○ Quantum Cryptography

Honors and Awards

Warwick's Chancellors International Scholarship (2023-2027)
- Awarded by the University of Warwick for my PhD studies

58th International Mathematical Olympiad (IMO 2017)
- Silver Medal

26th International Mathematics Competition (IMC 2019)
- Bronze Medal

South Eastern European Mathematical Olympiad for University Students (SEEMOUS)
- Silver Medal in 2019
- Bronze Medal in 2018

32nd Balkan Mathematical Olympiad (BMO 2015)
- Bronze Medal

18th Junior Balkan Mathematical Olympiad (JBMO 2014)
- Silver Medal

Greek National Mathematical Olympiad "Archimedes" (2013-2017)
- 3 Gold Medals
- 2 Silver Medals

3rd European Mathematical Cup (EMC 2014)
- First Prize

European BEST Engineering Competition in Greece (EBEC Greece 2019)
- Second Prize in Case Study category

Academic Service and Presentations

17th South Eastern European Mathematical Olympiad for University Students 2023
- Leader of the Aristotle University Team (March 2023 – 3rd place)

16th South Eastern European Mathematical Olympiad for University Students 2022
- Leader of the Aristotle University Team (May 2022)

12th Electrical and Computer Engineering Student Conference (ECESCON 12) of Greece
- Volunteer – Member of Academics Team (September 2020 - April 2021)

14th South Eastern European Mathematical Olympiad for University Students 2020
- Head of the Volunteers Team (March 2020)

Aristotle University of Thessaloniki IEEE Student Branch event
- Oral presentation: "What an Engineer Should Know about NP-Completeness" (October 2019)

8th International Week Dedicated to Maths in Thessaloniki
- Oral presentation: "Number Theory and Combinatorics" (April 2016)

Languages

- Greek (Native)
- English (Fluent–C2 level)
- German (Intermediate–B2 level)

Programming Languages

- Matlab
- Python
- C/C++
- AMPL
- Java
- Latex