

Athanasios L. Konstantinidis

Curriculum Vitae

Department of Mathematics
University of Ioannina, Greece
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Education

- Dec.2016 – **Doctor of Philosophy**, *Department of Mathematics*, University of Ioannina.
Apr.2021
- Oct.2014 – **Masters of Science**, *Department of Mathematics*, University of Ioannina, *GPA – Excellent*.
Nov.2016
Specialized in Computer Science.
- Oct.2009 – **Bachelor of Science**, *Department of Mathematics*, University of Ioannina, *GPA – Very Good*.
Sep.2014
Specialized in Computational Mathematics and Computer Science.

Research Interests

Algorithmic Graph Theory
Design and Analysis of Algorithms

PhD Thesis

Title *Algorithms and Complexity of Edge Modification Problems*
Supervisor Associate Professor Charis Papadopoulos

Masters Thesis

Title *Algorithms and Complexity of Strong Triadic Closure in Graph Classes*
Supervisor Assistant Professor Charis Papadopoulos

Publications

Journal Papers

- [4] Athanasios L. Konstantinidis and Charis Papadopoulos, "Cluster Deletion on Interval Graphs and Split Related Graphs", *Algorithmica*, (to appear).
- [3] Athanasios L. Konstantinidis and Charis Papadopoulos, "Maximizing the strong triadic closure in split graphs and proper interval graphs", *Discrete Applied Mathematics*, 285: 79-95 (2020).
- [2] Petr A. Golovach, Pinar Heggernes, Athanasios L. Konstantinidis, Paloma T. Lima and Charis Papadopoulos, "Parameterized Aspects of Strong Subgraph Closure", *Algorithmica*, 82: 2006-2038 (2020).

- [1] Athanasios L. Konstantinidis, Stavros D. Nikolopoulos and Charis Papadopoulos, "Strong Triadic Closure in Cographs and Graphs of Low Maximum Degree", *Theoretical Computer Science*, (2018).

Refereed Conference Papers

- [4] Athanasios L. Konstantinidis and Charis Papadopoulos, "Cluster Deletion on Interval Graphs and Split Related Graphs", *44th International Symposium on Mathematical Foundations of Computer Science, (MFCS 2019), Aachen, Germany, 2019*, Leibniz-Zentrum für Informatik (LIPIcs) (138: 12(1)-12(14),2019).
- [3] Petr A. Golovach, Pinar Heggernes, Athanasios L. Konstantinidis, Paloma T. Lima and Charis Papadopoulos, "Parameterized Aspects of Strong Subgraph Closure", *16th Scandinavian Symposium and Workshops on Algorithm Theory (SWAT 2018)* **23:1–23:13**, Leibniz International Proceedings in Informatics (LIPIcs) (2018).
- [2] Athanasios L. Konstantinidis and Charis Papadopoulos, "Maximizing the Strong Triadic Closure in Split Graphs and Proper Interval Graphs", *28th International Symposium on Algorithms and Computation (ISAAC 2017)* **53:1–53:12**, Leibniz International Proceedings in Informatics (LIPIcs) (2017).
- [1] Athanasios L. Konstantinidis, Stavros D. Nikolopoulos and Charis Papadopoulos, "Strong Triadic Closure in Cographs and Graphs of Low Maximum Degree", *Computing and Combinatorics - 23rd International Conference, (COCOON) 2017, Hong Kong, China, August 3-5, 2017, Proceedings* **346–358**, (2017).
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Scholarship

2018-2021 PhD studies supported by a grant from the National Grant Foundation of Greece (IKY)

Awards

2009 First in entering at the Department of Mathematics, University of Ioannina, (IKY).

Laboratory Assistant

Spring 2011–2019 Introduction to Computers (242), Department of Mathematics

Fall 2014–2018 Introduction to Programming (343), Department of Mathematics

Fall 2014–2015 Data Structure (541), Department of Mathematics

Talks/Seminars

2019 **Cluster Deletion on Interval Graphs and Split Related Graphs.** Oral Presentation at the 44th International Symposium on Mathematical Foundations of Computer Science, (MFCS 2019), Aachen, Germany, 2019.

- 2018 **Parameterized Aspects of Strong Subgraph Closure.** Oral Presentation at the 16th Scandinavian Symposium and Workshops on Algorithm Theory (SWAT 2018) on June 18 - 20, 2018, Malmö, Sweden.
- 2018 **Parameterized Aspects of Strong Subgraph Closure.** Oral Presentation at 2nd Conference of Young Researchers in the Branches of Mathematical Science on June 1 - 2, 2018, Department of Mathematics, University of Ioannina, Ioannina, Greece.
- 2017 **Maximizing the strong triadic closure in split graphs and proper interval graphs.** Oral Presentation at the 28th International Symposium on Algorithms and Computation (ISAAC 2017) on December 9-12, 2017, Phuket, Thailand.
- 2017 **Strong Triadic Closure in Graph Classes.** Oral Presentation at weekly Algorithms Seminars on November 10th, Department of Informatics, University of Bergen, Norway.
- 2017 **Maximizing the strong triadic closure in split graphs and proper interval graphs.** Oral Presentation at the 12th Athens Colloquium on Algorithms and Complexity 24-25 August 2017, AUEB, Athens, Greece (ACAC '17).

Computer skills

Programming Languages	C++, Visual Basic.Net, Java, Python, L ^A T _E X, R
Tools	Visual Studio, Mathematica, Office Suite, DevC++, BlueJ, Gephi, Jupyter

Online Education

- 10/2020–5/2021 Online courses of Russian Language
- 11/2015 Online Course Statement of Accomplishment "Social and Economic Networks: Models and Analysis"
- 05/2015 Online Course Statement of Accomplishment with Distinction "Programming for Everybody (Python)"
- 12/2012 Online Course Statement of Accomplishment "Introduction to Logic" FREE ONLINE COURSE PROVIDED BY STANFORD UNIVERSITY THROUGH COURSERA INC.

Languages

Greek	Mother-tongue
English	C2