Chrysanthi Kosyfaki

Personal Data

Place and Date of Birth:	Greece|3 May 1995
Address:	Western and Central, Hong Kong
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Education

February 2019 - April 2023	**Ph.D in Computer Science**, University of Ioannina Thesis: "Flow Analytics in Large Graphs" Advisor: Prof. Nikos Mamoulis Advisory Commitee: Profs. Nikos Mamoulis, Evaggelia Pitoura, Panayiotis Tsaparas
October 2017 - February 2019	**M.Sc in Computer Science**, University of Ioannina Thesis: "Flow Motifs in Interaction Networks" Advisor: Prof. Nikos Mamoulis GPA: 8,49/10
September 2013 - June 2017	**B.Sc in Computer Science**, Ionian University Thesis: "Sentiment Analysis in Online Social Networks" Advisor: Prof. Phivos Mylonas GPA: 7,07/10

Work Experience

July 2023 - present	**The University of Hong Kong, CS Department** Thesis: Post-doc researcher
June 2022 - October 2022	**The University of Hong Kong, CS Department** Thesis: Researcher Assistant
October 2020 - May 2022	**Smart City Bus Project, University of Ioannina** Thesis: Software Developer
April 2020 - September 2020	**ProximIoT Project, University of Ioannina** Thesis: Software Developer
August 2019 - September 2019	**The University of Hong Kong, CS Department** Thesis: Researcher Assistant
March 2019 - July 2019	**Seek and Go Project, University of Ioannina** Position: Software Developer
September 2018 - December 2018	**The University of Hong Kong, CS Department** Position: Researcher Assistant

Teaching Experience

Fall 2017	Introduction to Programming (TA)
Spring 2018	Object Oriented Programming (TA)
Spring 2019	Complex Data Management (TA - University of Ioannina)
Fall 2019	Introduction to Programming (TA - University of Ioannina)
Spring 2020	Complex Data Management (TA- University of Ioannina)
Fall 2020	Introduction to Programming (TA - University of Ioannina)
Spring 2021	Complex Data Management (TA - University of Ioannina)
Fall 2021	Introduction to Programming (TA - University of Ioannina)
Fall 2022	Introduction to Programming (TA - University of Ioannina)
Spring 2023	Complex Data Management (TA - University of Ioannina)
Spring 2024	Network Data Analytics (Instructor - The University of Hong Kong)

SKILLS

PROGRAMMING SKILLS	Programming Languages: C, Java, Python
	Environments: MATLAB, Octave, QGIS
	Operating Systems: Windows, Linux, MacOS

ACADEMIC SERVICE

CO-CHAIR:	TKDE Poster @ICDE 2025
REVIEWER:	PAKDD (2022-2023), VLDB (2024-2025), VLDBJ 2024, TKDE 2024, ICDE 2025, SIGSPATIAL 2025
EXTERNAL REVIEWER:	ICDE (2023-2024), EDBT(2018-2020), KDD(2019), VLDB(2019-2023)
	ICDE(2019-2021), SIGMOD(2021-2023)
STUDENT VOLUNTEER:	VLDB (2020), EDBT (2023)

AWARDS

Christine Collet EDBT/ICDT Student Participation Award 2019

LANGUAGES

GREEK:	Mothertongue
ENGLISH:	Fluent

RESEARCH INTERESTS

Temporal Data Analytics, Data Management, Temporal Graph Analysis, Flow Analytics in Graph and Networks, Continuous Queries

PUBLICATIONS

1. M. Najafi, X. Zhu, **C. Kosyfaki**, L. VS. Lakshmanan, R. Cheng "XMaS: A Benchmark for Scalable and Generalizable Subgraph Counting," TO BE SUBMITTED - VLDB 2025

2. **C. Kosyfaki**, N. Mamoulis, R. Cheng, B. Kao: "Generalized Origin-Destination-Flow Time Patterns", UNDER SUBMISSION

3. Y. Wang, **C. Kosyfaki**, S. Amer-Yahia, R. Cheng: "A Sampling-based Framework for Hypothesis Testing on Large Attributed Graphs", VLDB 2024, *Guangzhou, China*

4. G. Bouloukakis, C. Zeginis, N. Papadakis, K. Magoutis, G. Christodoulou, **C. Kosyfaki**, K. Lampropoulos, N. Mamoulis "SmartCityBus - A Platform for Smart Transportation Systems," WSDM 2023, *Singapore* (*poster contribution*)

5. **C. Kosyfaki**, N. Mamoulis, R. Cheng, B. Kao: "Spatio-Temporal Flow Patterns," ARXIV 2023

6. **C. Kosyfaki**, N. Mamoulis: "Provenance in Temporal Interaction Networks," ICDE 2022, *Kuala Lumpur, Malaysia*

7. **C. Kosyfaki**: "Flow Provenance in Temporal Interaction Networks," SIGMOD 2021, *Xi'an, China* (*short paper*)

8. **C. Kosyfaki**, N. Mamoulis, E. Pitoura, P. Tsaparas: "Flow Computation in Temporal Interaction Networks," ICDE 2021, *Chania Greece*

9. **C. Kosyfaki**, N. Mamoulis, E. Pitoura, P. Tsaparas: "Flow Motifs in Interaction Networks," EDBT 2019, *Lisbon Portugal*

10. **C. Kosyfaki**: "Flow Motifs in Complex Networks," HDMS 2018, *Larnaca Cyprus* (*poster contribution*)

11. **C. Kosyfaki**, N. Angelova, A. Tsohou, E. Mangos: "The Privacy Paradox in the Context of Online Health Data Disclosure by Users", EMCIS 2017, *Lisbon, Portugal*