Dimitrios I. Diochnos

The University of Oklahoma, School of Computer Science
110 W Boyd St, Devon Energy Hall, Room 244, Norman, 73019 OK, USA

https://www.cs.ou.edu/~diochnos
diochnos@ou.edu

SCIENTIFIC INTERESTS

● Machine Learning   ● Artificial Intelligence   ● Data Science   ● Theoretical Computer Science

EDUCATION & ACADEMIC APPOINTMENTS

2019 –	Assistant Professor in Computer Science, University of Oklahoma.
2015 – 2019	Hobby postdoctoral research associate, University of Virginia.
2013 – 2015	Postdoctoral research associate, University of Edinburgh.
2013	PhD, Department of Mathematics, Statistics, and Computer Science, University of Illinois at Chicago. Adviser: György Turán.
2007	MSc, Department of Mathematics, National and Kapodistrian University of Athens. Adviser: Ioannis Z. Emiris.
2004	Ptychion, Department of Informatics and Telecommunications, National and Kapodistrian University of Athens. Supervisor: Panagiotis Stamatopoulos.

FELLOWSHIPS & AWARDS

2019	NeurIPS 2019 Top Reviewers (Reserved Registration Spot)
2016	IJCAI-16 Quality Reviewing (1 Blue Ribbon)
2010 – 2011	UIC Chancellor's Graduate Research Fellowship, Spring – Summer 2010. Renewed for second year (maximum), Spring – Summer, 2011. ($2 \times \$2,500$)
2009	Teaching Award, MCS 260 - Introduction to Computer Science, Fall 2009.
1998 – 2004	Fellowship for undergraduate studies by "Zossima Brothers" foundation. ($3,000)

SCIENTIFIC ACTIVITIES & SERVICE

Program Committee	NeurIPS 2020, NeurIPS 2019, ICML 2020, AAAI-18, IJCAI-19, IJCAI-17, IJCAI-16, ISAIM 2020, ISAIM 2018, ISAIM 2016.
Publicity Chair	ISAIM 2020, ISAIM 2018, ISAIM 2016, ISAIM 2014, ISAIM 2012.
Organizing Committee	Symposium on AI & ML at OU 2019.
Webmaster	Workshop on Graph Theory & Combinatorics in Memory of Uri Peled, UIC, 2010.
Scientific Committee	International Olympiad in Informatics 2004.
Editor	AMAI special issue dedicated to ISAIM 2018.
Reviewer	SODA, AAAI, ICALP, IJCAI, ISAIM, AAMAS, ALENEX, CASC.

SELECTED RECENT PUBLICATIONS

For a complete list please see at https://www.cs.ou.edu/~diochnos/research/publications.

5. Vanda Balogh, Gábor Berend, Dimitrios I. Diochnos, György Turán. Understanding the Semantic Content of Sparse Word Embeddings Using a Commonsense Knowledge Base, *Thirty-Fourth AAAI Conference on Artificial Intelligence (AAAI)*, New York, NY, USA, 2020. Also a poster presentation in *NeurIPS 2019 Workshop on Knowledge Representation & Reasoning Meets Machine Learning (KR2ML)*, Vancouver, Canada, 2019.

4. Saeed Mahloujifar, Dimitrios I. Diochnos, Mohammad Mahmoody. Curse of Concentration in Robust Learning: Evasion and Poisoning Attacks from Concentration of Measure. *Thirty-Third AAAI Conference on Artificial Intelligence (AAAI)*, Honolulu, Hawaii, USA, 2019. Also had a poster presentation in *NeurIPS 2018 Workshop on Security in Machine Learning*, Montréal, Canada, 2018.

3. Dimitrios I. Diochnos, Saeed Mahloujifar, Mohammad Mahmoody. Adversarial Risk and Robustness: General Definitions and Implications for the Uniform Distribution, *Thirty-Second Conference on Neural Information Processing Systems (NeurIPS)*, Montréal, Canada, 2018.

2. Dimitrios I. Diochnos. On the Evolution of Monotone Conjunctions: Drilling for Best Approximations, *Twenty-Seventh International Conference on Algorithmic Learning Theory (ALT 2016)*, Bari, Italy, ALT 2016: 98–112, 2016.

1. Tanya Berger-Wolf, Dimitrios I. Diochnos, András London, András Pluhár, Robert H. Sloan, György Turán. Commonsense knowledge bases and network analysis, *11th International Symposium on Logical Formalizations of Commonsense Reasoning*, 2013.

SELECTED TALKS

- Adversarial Risk and Robustness: General Definitions and Implications for the Uniform Distribution. *Thirty-Second Conference on Neural Information Processing Systems (NeurIPS 2018)*, Montréal, Canada, December 5, 2018.

- On the Evolution of Monotone Conjunctions: Drilling for Best Approximations. *Twenty-Seventh International Conference in Algorithmic Learning Theory (ALT 2016)*, Bari, Italy, October 19, 2016.

- SmartSociety. *SICSA DEMOFest 14*, Edinburgh, UK, October 30, 2014.

ADVISING & TEACHING

Advising	Nicholas Georgiou, Undergraduate Capstone Project, University of Virginia, 2017-2018.
	Alyson Irizarry, Undergraduate Capstone Project, University of Virginia, 2017-2018.
	Andrew Lee, Undergraduate Capstone Project, University of Virginia, 2017-2018.
	Ceyer Wakilpoor, Undergraduate Capstone Project, University of Virginia, 2017-2018.
Co-Advising	Ignas Kaziukenas, M.Sc., University of Edinburgh, 2013-2014.
	Rahul Kushwaha, M.Sc., University of Illinois at Chicago, 2013-2014.
	Sid Shen, M.Sc., University of Edinburgh, 2013-2014.
Teaching	*CS3823 - Theory of Computation*, University of Oklahoma, Fall 2019.
	CS3102 - Theory of Computation, University of Virginia, Fall 2018.
	CS4710 - Artificial Intelligence, University of Virginia, Spring 2016, Fall 2016, Fall 2017.
	CS6501 - Learning Theory, University of Virginia, Fall 2015, Spring 2017, 2018 & 2019.
Assisting	As a teaching assistant at the University of Illinois at Chicago I have taught various introductory programming, Computer Science and Mathematics courses.

WORKING EXPERIENCE

Operating Systems. Linux, Mac OS X, Solaris Unix, and all Microsoft operating systems.

Programming Languages. All major programming languages including, but not limited to, C, Objective C, C++, Visual Basic, Python, Cython, Pascal, LPA-Prolog, Haskell.

Web Related Technologies. Javacript, node.js, express web application framework for node, jade node template engine, browserify, sockets, RESTful applications, cross-origin resource sharing (CORS), MongoDB[1], MongoDB Management Service (MMS), mongoose, mongoose-version, Apache, HTML 5, jQuery, CSS, PHP.

Miscellaneous. Model-View-Controller (MVC), Core Graphics, MapKit, NSURLCONNECTION, PTHREADS, Message Passing Inteface (MPI), GNU Multiple Precision Arithmetic Library (GMP), Scalable Parallel Random Number Generators Library (SPRNG), Subversion, Git, SQLite, Oracle SQL Plus, GNUPlot, Maple, igraph, R, TEX, LATEX, XƎTEX, shell scripts in Unix / Linux / MS-DOS.

LANGUAGES

Greek (native), English (fluent), German (elementary).

UPDATED

Last update was performed on April 8, 2020 at 11:39.

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[1] *M102: MongoDB for DBAs* certificate available from the MongoDB University.