

CURRICULUM VITAE

Dr. Yannis Theodoridis
Professor, University of Piraeus

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***In brief:** Dr. Yannis Theodoridis is Professor of Data Science with the Department of Informatics, University of Piraeus, Greece, and head of the Data Science Lab. He participates or has participated in several boards, including the sectorial scientific council on Computer Science of the National Council for Research, Technology and Innovation (vice-chair, 2020-), the general assembly of the Hellenic Foundation for Research and Innovation (2017-18), the editorial board of ACM Computing Surveys (2016-19), and the Endowment of the Symposium on Spatial and Temporal Databases - SSTD (2010-). He has also served as general co-chair for SSTD'03 and ECML/PKDD'11, PC vice-chair for IEEE ICDM'08, and PC member for several conferences, including ACM SIGMOD/PODS, IEEE ICDE, ACM SIGKDD, IEEE ICDM, etc. Since 2002 when he joined Univ. Piraeus as a faculty member, he has been a (co-) principal investigator in several research projects funded by EU (Horizon Programme, etc.) and National funding agencies. He has offered several invited lectures (including PhD/MSc-level intensive courses in Univ. Milano, KAUST, Aalborg Univ., Univ. Trento, Ghent Univ., and JRC Ispra) on topics related to Mobility Data Analytics. His research interests include Data Science (big data management & analytics) for human mobility -related information and edge computing applications. He has co-authored three monographs and over 100 refereed articles in scientific journals and conferences, with over 13,000 citations ($h=53$), according to Google Scholar. He is ACM Senior member. He holds a Dipl. Eng. (1990) and Ph.D. (1996) in Computer Engineering, both from the National Technical University of Athens (NTUA). For more information: <http://www.unipi.gr/faculty/ytheod/> (personal); <http://www.datastories.org> (lab).*

I. PERSONAL DATA

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 ACM DL: <https://dl.acm.org/profile/81100535035>
 <https://www.researchgate.net/profile/Yannis-Theodoridis>

II. EDUCATION

- **(1996) Dr. Eng. Degree:** Computer Science Division, Dept. of Electrical and Computer Engineering, National Technical University of Athens (NTUA), Greece. Title of Doctoral Dissertation: “*Spatial Data Structures: Analytical Models and Efficient Algorithms*”. Thesis advisor: Prof. Timos Sellis [[thesis' link @ openarchives.gr](https://openarchives.gr)].
- **(1990) Diploma Eng. Degree:** Dept. of Electrical Engineering, National Technical University of Athens (NTUA), Greece.

III. POSITIONS

- **1/2002 - to date:** Faculty member, Department of Informatics, University of Piraeus (Professor, 01/2013-; Assoc. Professor, 08/2008-01/2013; Asst. Professor, 01/2002-08/2008). Field of expertise: Data Science.
 - 12/2017-8/2021 & 2/2023-: Dean, School of Information and Communication Technologies (ICT), University of Piraeus.
- **1/1999 - 1/2002:** Research Engineer, Computer Technology Institute (CTI), Greece.
- **7/1997 - 12/1998:** Research Engineer, National Documentation Centre (NDC), Greece.

IV. RESEARCH INTERESTS & ACTIVITIES

- **Research interests:**
 - **Data Science:** data analytics; data mining; privacy-preserving data mining.
 - **Database Management:** database indexing & query processing; spatial / spatiotemporal database management.
- **Research activities:**
 - Co-founder and Director, Data Science Lab @ ICT School [<http://www.datastories.org>].

EU-funded Research projects/grants – all under the role of PI or co-PI (since 2005):

- (2023.01-2025.12) “Green.Dat.AI – Energy-efficient AI-ready Data Spaces”. EU research project funded by Horizon Europe Programme (funding: 444K €). DOI: 10.3030/101070416 [[Project URL](#)]
 - (2023.01-2025.12) “EMERALDS – Extreme-scale Urban Mobility Data Analytics as a Service”. EU research project funded by Horizon Europe Programme (funding: 564K €). DOI: 10.3030/101093051 [[Project URL](#)]
 - (2022.09-2025.08) “MobiSpaces – New data spaces for green mobility”. EU research project funded by Horizon Europe Programme (funding: 458K €). DOI: 10.3030/101070279 [[Project URL](#)]
 - (2021.01-2023.12) “VesselAI – Enabling Maritime Digitalization by Extreme-scale Analytics, AI and Digital Twins”. EU research project funded by Horizon 2020 / ICT Programme (funding: 296K €). DOI: 10.3030/957237 [[Project URL](#)]
 - (2018.01-2020.12) “Track & Know – Big Data for Mobility Tracking Knowledge Extraction in Urban Areas”. EU research project funded by Horizon 2020 / ICT Programme (funding: 473K €). [[Project URL](#)]
 - (2016.06-2018.06) “DART – Data-driven Aircraft Trajectory Prediction Research”. EU research project funded by Horizon 2020 / SESAR Programme (funding: 170K €). [[Project URL](#)]
 - (2016.01-2018.12) “DATACRON – Big Data Analytics for Time Critical Mobility Forecasting”. EU research project funded by Horizon 2020 / ICT Programme (funding: 730K €). [[Project URL](#)]
 - (2012-15) “SEEK – Semantic Enrichment of Trajectory Knowledge Discovery”. EU research network funded by FP7/ PEOPLE Programme (funding: 61K €). [[Project URL](#)]
 - (2011-14) “DATASIM – Data Science for Simulating the Era of Electric Vehicles”. EU research project funded by FP7/ICT/FET-Open Programme (funding: 246K €). [[Project URL](#)]
 - (2009-13) “MOVE – Knowledge Discovery from Moving Objects”. EU research network funded by ESF/COST Programme. [[Project URL](#)]
 - (2009-12) “MODAP – Mobility, Data Mining, and Privacy”. EU research project funded by FP7/ICT/FET-Open Programme (funding: 72K €). [[Project URL](#)]
 - (2005-09) “GeoPKDD – Geographic Privacy-aware Knowledge Discovery and Delivery”. EU research project funded by FP6/IST/FET-Open Programme (funding: 280K €). [[Project URL](#)]
- **PhD students’ supervision:**
 - Completed (6):
 - Panagiotis Tampakis (2019); current position: Asst. Professor, Univ. Southern Denmark (DK)
 - Nikos Giatrakos (2012); current position: Asst. Professor, Tech. Univ. Crete (GR)

- Evangelos Kotsifakos (2010); current position: general manager, LSTech (UK)
- Gerasimos Marketos (2009); current position: product director, Hack The Box (UK)
- Elias Frentzos (2008); current position: founder and CEO, Geonoesis (GR)
- Eirini Ntoutsis (2008); current position: Full Professor, Bundeswehr Univ. Munich (DE)
- Ongoing (5): George S. Theodoropoulos (2023-), Andreas Tritsarolis (2022-), Athanasios Koumparos (2020-), Yannis Kontoulis (2016-), Fragkiskos Gryllakis (2016-).

V. TEACHING ACTIVITIES

- **Teaching at the Univ. Piraeus:**

- Since 2021: academic advisor, Data Science track, MSc Program in Cybersecurity and Data Science [<https://cybersecdatasci.cs.unipi.gr>].
- Since 2002: instructor in (under- and post-graduate level) courses related to Database Management and Data Science.

- **Other Instructor Activities:**

- Instructor on "Mobility Data Science", 2nd ACM Europe Summer School on Data Science, Athens (Jul. 2018).
- Visiting professor / researcher at Univ. Zurich (Jan. 2016), Univ. Paris Descartes (Oct. 2015), Univ. Venice (Sep. 2013, Jun. 2010), KAUST (Jun. 2012, Jun. 2011), Ghent Univ. (Feb. 2012), Univ. Trento (Nov. 2011), Aalborg Univ. (Sep. 2011), Univ. Milan (May. 2011).
- Invited seminar speaker at JRC (8-11 Apr. 2013), Univ. Cyprus (12-15 Nov. 2012), Univ. Trento (17 Nov. 2011), NCSR Demokritos (12 Jul. 2011), Univ. Zurich (12 Apr. 2011), Univ. Athens (14 May. 2010).
- Conference tutorial presenter at EDBT'09 (with Fosca Giannotti and Dino Pedreschi), ECML/PKDD'05 (with Myra Spiliopoulou and Irene Ntoutsis), ADBIS'05, ADBIS-DASFAA'00, PCI'99.

VI. SERVICE ACTIVITIES, MEMBERSHIPS

- **Member of Boards, Committees, etc.:**

- Vice-chair, sectorial scientific council on Computer Science, National Council for Research, Technology and Innovation (11/2020 -)
- Member, General Assembly, Hellenic Foundation for Research and Innovation (HFRI), Greece (1/2017 - 6/2018)
- Member, Scientific Council, IMIS Institute at 'Athena' Research Centre, Athens, Greece (10/2016 - 12/2019)
- Member, Editorial Board, ACM Computing Surveys - CSUR (2016-19)
- Member, Board of Directors (2016-18) and lifelong member (since 2010), Endowment, Int'l Symposium on Spatial and Temporal Databases - SSTD.

- Founder & Chair, Steering Committee (2018-), Int’l Workshop series on Big Mobility Data Analytics (BMDA), co-located with the Int. Conference on Extending Database Technology (EDBT).
- Member, Steering Committee (2022-), Int’l Workshop series on Maritime Big Data (MBDW), co-located with the IEEE Int. Conference on Mobile Data Management (MDM).
- **Reviewer in Scientific Journals:**

Selected list (since): IEEE Trans. Knowledge and Data Engineering (1995), Data and Knowledge Engineering (1996), Information Systems (1996), The Computer J. (1996), The VLDB J. (1998), GeoInformatica (1998), Knowledge and Information Systems (2003), ACM Trans. Database Systems (2003), IEEE Trans. Knowledge Discovery in Data (2006), Data Mining and Knowledge Discovery (2010), ACM Trans. on Spatial Algorithms and Systems (2014), IEEE Comp. Graphics & Applications (2017)
- **Program Committee services:**
 - PC Chair for the 6th Hellenic Data Management Symposium (HDMS), 2007.
 - PC Vice-Chair for the 8th IEEE Int’l Conference on Data Mining (ICDM), 2008.
 - Since 1999, PC member for several conferences, including: ACM CIKM (2002, 2006-2010, 2014), ACM KDD (2013), ACM PODS (2008, 2015), ACM SIGMOD (2001, 2021), ACM SIGSPATIAL GIS (2011-2012, 2018-2020), ECML/PKDD (2008, 2012), EDBT (2018, 2019), IEEE ICDE (2002, 2005, 2007, 2008, 2014, 2021), IEEE ICDM (2004-2010), SIAM Data Mining (2009, 2018).
- **Editorial services:**
 - Guest editor:
 - Int. J. Data Warehousing & Mining, special issue on GeoPKDD project results, vol. 7(1): 2011.
 - Int. J. Business Intelligence & Data Mining, special issue on “KDD for Decision Making and Optimisation”, vol. 3(1):2008.
 - Proceedings editor:
 - *Advances in Spatial and Temporal Databases - Proceedings of 8th Int’l Symposium (SSTD’03)*. Springer-Verlag LNCS #2750. ISBN 3-540-40535-6. (with T. Hadzilacos, Y. Manolopoulos, J. F. Roddick)
- **Conference organizational services:**
 - General co-Chair, 16th Panhellenic Conference on Informatics (PCI), Piraeus, Greece, Oct. 2012.
 - General co-Chair, European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML/PKDD), Athens, Greece, Sep. 2011.
 - General co-Chair for the 8th Int’l Symposium on Spatial and Temporal Databases (SSTD), Santorini island, Greece, Jul. 2003.
 - Organizing Committee Chair for the 1st Hellenic Data Management Symposium (HDMS), Athens, Greece, Jul. 2002.

- **Memberships in Scientific Societies:**
 - IEEE Computer Science
 - ACM Senior Member (special interest groups: SIGMOD, SIGKDD, SIGSPATIAL)

VII. KEYNOTES, DISTINCTIONS, AWARDS, etc.

- **Keynote Speaker:**
 - Invited talk, “Learning from our movements – The mobility data analytics pipeline”, Workshop on Multiple-Aspect Analysis of Semantic Trajectories (MASTER’19), joint with EDBT/ICDT Conference, Würzburg, Germany, September 2019.
- **Other distinctions:**
 - (2018-) Listed in the top-ranked scientists for Computer Science, according to Guide2Research [<http://www.guide2research.com/u/yannis-theodoridis>].

VIII. PUBLICATIONS & CITATIONS

- **Publications** (full list of publications: [dblp](#))
 - Monographs: **3**
 - Articles in refereed journals: **51**
 - Papers in refereed conference and workshop proceedings: **99**
 - Book chapters: **11**
 - Lemmas in reference works (encyclopedias etc.): **21**
- **Citations:** Google Scholar: **13794** (h=53); Scopus: **6118** (h=40)