Kyriakos Mouratidis
Curriculum Vitae
September 2021

School of Computing and Information Systems
Singapore Management University
80 Stamford Road, Singapore 178902
Tel.: +65 6828 0649
Email: kyriakos@smu.edu.sg
Web: www.mysmu.edu/faculty/kyriakos/

Personal Information
First Name: Kyriakos
Surname: Mouratidis
Gender: Male
Nationality: Greek

Current Position
Associate Professor of Computer Science
School of Computing and Information Systems
Singapore Management University

Education
Ph.D. in Computer Science
Department of Computer Science and Engineering
Hong Kong University of Science and Technology

B.Sc. in Computer Science
Department of Computer Science
Aristotle University of Thessaloniki, Greece
First Class Honours (2nd highest GPA in cohort)

Research Interests
Spatial and Spatiotemporal Databases, Multi-objective and Preference-based Queries, Mobile Computing.

Journal Articles


**Conference Publications**


480 (short paper), 2014.

C27. Kyriakos Mouratidis, Jilian Zhang, HweeHwa Pang: Maximum Rank
1554-1565, 2015.

C28. Kyriakos Mouratidis, Jing Li, Yu Tang, Nikos Mamoulis: Joint Search by
Social and Spatial Proximity [Extended Abstract]. Proceedings of the IEEE
International Conference on Data Engineering (ICDE), pp. 1578-1579, 2016 (in
poster session devoted to TKDE articles published in 2015).

Discovery in Spatial Trajectories Using Discrete Fréchet Distance. Proceed-
ings of the International Conference on Extending Database Technology (EDBT),

C30. Bo Tang, Kyriakos Mouratidis, Man Lung Yiu: Determining the Impact
Regions of Competing Options in Preference Space. Proceedings of the ACM

C31. Leong Hou U, Junjie Zhang, Kyriakos Mouratidis, Ye Li: Continuous Top-
k Monitoring on Document Streams (Extended Abstract). Proceedings of the
IEEE International Conference on Data Engineering (ICDE), pp. 1803-1804,
2018 (in poster session devoted to TKDE articles published in 2017).

C32. Kyriakos Mouratidis, Bo Tang: Exact Processing of Uncertain Top-k
Queries in Multi-criteria Settings. Proceedings of the Very Large Data Bases

C33. Bo Tang, Kyriakos Mouratidis, Man Lung Yiu, Zhenyu Chen: Creating Top
Ranking Options in the Continuous Option and Preference Space. Proceed-
ings of the Very Large Data Bases Conference (VLDB), pp. 1181-1194, 2019.

C34. Bo Tang, Kyriakos Mouratidis, Mingji Han: On m-Impact Regions and
Standing Top-k Influence Problems. Proceedings of the ACM Conference on

C35. Kyriakos Mouratidis, Keming Li, Bo Tang: Marrying Top-k with Skyline
Queries: Relaxing the Preference Input while Producing Output of Controllable
Size. Proceedings of the ACM Conference on Management of Data (SIGMOD),

Keynote Speeches, Tutorials & Invited Papers

I1. Kyriakos Mouratidis: Spatial Queries in Wireless Broadcast Environ-
ments. Keynote at International ACM Workshop on Data Engineering for Wireless and

I2. Kyriakos Mouratidis: Strong Location Privacy: A Case Study on Shortest
Path Queries. Invited paper at International Workshop on Mobile Data
Analytics (MoDA), (ICDE Workshops) pp. 136-143, 2013.

I3. Kyriakos Mouratidis: Geometric Aspects and Auxiliary Features to Top-k
Processing. Advanced seminar at International Conference on Mobile Data
Management (MDM), pp. 1-3, 2016.

I4. Kyriakos Mouratidis: Geometric Approaches for Top-k Queries. Tutorial at


Proceedings Editor


Book Chapters & Encyclopedia Entries

1. Kyriakos Mouratidis, Dimitris Papadias, Spiros Papadimitriou: Computing Medoids in Large Spatial Datasets. Geographic Data Mining and Knowledge Discovery, Second Edition, pp. 189-228, Harvey J. Miller and Jiawei Han (editors), Taylor and Francis, 2008.


Research Grants

External:

Internal:
Kyriakos Mouratidis (PI), “Joint Search by Social and Spatial Proximity”, SMU Internal Grant, 2014, S$21,593.78

Teaching Experience

Course Instructor, Singapore Management University, May 2006 - present:
IS202 / IS112 - Data Management
IS410 - Advanced Data Management
ISSS615 - Data Management (for Master of IT in Business programme)

Teaching Assistant, Hong Kong University of Science and Technology, September 2002 - June 2004.

Ph.D. Student Supervision

Graduated:
Yimin Lin
Jilian Zhang (co-advised with Prof. HweeHwa Pang)

Current:
Yiyi Wang

University & School Service

Programme Director, Masters of Applied Information Systems (MAIS), School of Computing and Information Systems, Jul 2014 - Jun 2018

University Senate Member, Faculty Senate, Apr 2017 - Mar 2021

Executive Committee (EXCO) of Faculty Senate, Apr 2018 - Mar 2021

Faculty Advisory Committee (Teaching and Learning), Dec 2011 - Jun 2014

External Service

Senior Roles:
Associate Editor for DAPD journal since May 2017
Associate Editor for SIGMOD Record since October 2019
Steering Committee Member for ACM GeoRich since June 2015
Field Editor on “Spatial Optimization” for Encyclopedia of GIS (2nd ed.)
Demonstrations Co-Chair for SSTD 2011
Vision and Challenge Track Co-Chair for SSTD 2011
Program Committee Co-Chair for MobiDE 2013
Program Committee Co-Chair for GeoRich 2014
Senior PC Member (meta-reviewer) for DASFAA 2015
General Co-Chair for GeoRich 2015
Best Paper Award Committee Member for SIGMOD 2016
Group Leader for SIGMOD 2016
Best Demo Award Committee Member for VLDB (2017, 2018)
Co-Chair of Student Research Competition at ACM SIGSPATIAL (2018, 2019)
Program Committee Memberships:
SSDBM (2008, 2011)

Awards
Lee Kong Chian Research Fellowship, Lee Foundation, 2018-2020.
CSD Alumni Award, 1 of the 4 recipients of the inaugural CSD Alumni Awards by the Department of Computer Science at Aristotle University of Thessaloniki, Greece, 2017.
Nominated for Excellent Teacher Award, SMU Teaching Excellence Awards, 2016.
Long Service Award (10 years), SMU, 2016.
Nominated for Excellent Teacher Award, SMU Teaching Excellence Awards, 2015.
Long Service Award (5 years), SMU, 2011.
Postgraduate Studentship, Hong Kong University of Science and Technology, 2002 - 2006.
Scholarship for Academic Excellence (ranked 1st in class in 4th year of undergraduate study), State Scholarship’s Foundation, Greece, 2002.
Scholarship for Academic Excellence (ranked 1st in class in 3rd year of undergraduate study), State Scholarship’s Foundation, Greece, 2001.