Michael Soprano

Curriculum Vitae

Education

Nov. 2019–Today	**PhD Student**, *University of Udine*, Udine. PhD course in Computer Science, Mathematics and Physics, 35th cycle.
Mar. 2015–Mar. 2018	**Master Degree in Computer Science**, *University of Udine*, *109/110*.
Oct. 2011–Mar. 2015	**Bachelor Degree in Web Technologies and Multimedia**, *University of Udine*, *101/110*.
Sep. 2006–Jun. 2011	**High Scool Diploma (Head Technician Industrial Expert - Computer Science Specialization)**, *I.S.I.S. Raimondo D'Aronco*, Gemona del Friuli, *77/100*.

Work Experience

Jun. 2018–Oct. 2019	**Research Fellow**, *University of Udine*, Udine. Research project co-funded by SISSA Medialab.
Jun. 2017–Feb. 2019	**Full Stack Web Developer**, *Datamantix S.r.l.*, Udine. Design, development and maintenance of various kinds of web applications and chatbots.
Aug. 2017–Feb. 2018	**Full Stack Web Developer**, *Archeido S.r.l.*, Udine. Development of a web application.
Nov. 2015–Feb. 2016	**Full Stack Web Developer**, *Troublezine*. Design, development and maintenance of a web application.

Thesis (Master Degree)

Title	*Riduzione Del Costo Della Valutazione Mediante Algoritmi Genetici: Implementazione Ed Esperimenti*
Supervisor	Prof. Stefano Mizzaro
Keywords	Information Retrieval, Evaluation, Evolutionary Algorithms

Thesis (Bachelor Degree)

Title	*Inferenza Dei Mezzi Di Trasporto Degli Utenti Utilizzando Dati Sensoriali Multipli In Modo Non Parametrico*
Supervisor	Prof. Ivan Scagnetto
Keywords	Machine Learning, Classification, Clustering

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Publications

2020   **The COVID-19 Infodemic: Can the Crowd Judge Recent Misinformation Objectively?**, *Kevin Roitero, <u>Michael Soprano</u>, Beatrice Portelli, Damiano Spina, Vincenzo Della Mea, Giuseppe Serra, Stefano Mizzaro and Gianluca Demartini*, Proceedings of the 29th ACM International Conference on Information and Knowledge Management (CIKM 2020). Galway, Ireland (Online). October 19-23, 2020, Conference Rank: GGS A+, Core A.
https://doi.org/10.1145/3340531.3412048

2020   **Can The Crowd Identify Misinformation Objectively? The Effects of Judgment Scale and Assessor's Background**, *Kevin Roitero, <u>Michael Soprano,</u> Shaoyang Fan, Damiano Spina, Stefano Mizzaro and Gianluca Demartini*, Proceedings of the 43st International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR 2020). Xi'an, China (Online). July 25-30, 2020, Conference Rank: GGS A++, Core A*.
https://doi.org/10.1145/3397271.3401112

2019   **Bias and Fairness in Effectiveness Evaluation by Means of Network Analysis and Mixture Models**, *Kevin Roitero, <u>Michael Soprano</u> and Stefano Mizzaro*, 10th Italian Information Retrieval Workshop (IIR 2019). Padova, Italy, September 2019.
http://ceur-ws.org/Vol-2441/paper4.pdf

2019   **HITS Hits Readersourcing: Validating Peer Review Alternatives Using Network Analysis**, *<u>Michael Soprano</u>, Kevin Roitero and Stefano Mizzaro*, 4th Joint Workshop on Bibliometric-enhanced Information Retrieval and Natural Language Processing for Digital Libraries (BIRNDL 2019) at the 42nd International ACM SIGIR Conference on Research and Development in Information Retrieval. Paris, France, July 2019. ACM.
http://ceur-ws.org/Vol-2414/paper7.pdf

2019   **Crowdsourcing Peer Review: As We May Do**, *<u>Michael Soprano</u> and Stefano Mizzaro*, In Paolo Manghi, Leonardo Candela, and Gianmaria Silvello, editors, Digital Libraries: Supporting Open Science, pages 259–273, Cham, 2019. Springer International Publishing.
https://doi.org/10.1007%2F978-3-030-11226-4_21

2018   **Reproduce and Improve: An Evolutionary Approach to Select a Few Good Topics for Information Retrieval Evaluation**, *Kevin Roitero, <u>Michael Soprano</u>, Andrea Brunello and Stefano Mizzaro*, ACM Journal of Data and Information Quality - Special Issue on Reproducibility in IR: Evaluation Campaigns, Collections and Analyses (JDIQ), 10(3):12:1–12:21, September 2018, Journal Rank: Scimago Q2 (2018).
https://doi.org/10.1145/3239573

2018   **Effectiveness Evaluation with a Subset of Topics: A Practical Approach**, *Kevin Roitero, <u>Michael Soprano</u> and Stefano Mizzaro*, Proceedings of the 41st International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR 2018). Ann Arbor Michigan, U.S.A, July 8-12, 2018, Conference Rank: GGS A++, Core A*.
https://doi.org/10.1145/3209978.3210108

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Metrics

	Scholar	Scopus	ACM Digital Library
Articles	8	7	4
Citations	19	11	5
Citations / Articles	2.37	1.57	1.25
H-index	3	2	–
i10-index	0	–	–

Last update: 8 January 2021

Talks

Conference Talk
The COVID-19 Infodemic: Can the Crowd Judge Recent Misinformation Objectively?, *29th ACM International Conference on Information and Knowledge Management.* October 19-23, 2020. Galway, Ireland. Online, held remotely due to COVID-19 (pre-recorded contribution).
`https://dl.acm.org/doi/10.1145/3340531.3412048` (supplemental material section)

Conference Talk
Can The Crowd Identify Misinformation Objectively? The Effects of Judgment Scale and Assessor's Background, *43rd International ACM SIGIR Conference on Research and Development in Information Retrieval*, July 25-30, 2020. Xi'an, China. Online, held remotely due to COVID-19 (pre-recorded contribution).
`https://dl.acm.org/doi/abs/10.1145/3397271.3401112` (supplemental material section)
`https://www.youtube.com/watch?v=D10EtrThvbc`

Workshop Talk
Bias and Fairness in Effectiveness Evaluation by Means of Network Analysis and Mixture Model, *Italian Information Retrieval Workshop*, September 16-18, 2019. Padova, Italy.

Review Activity

Sub-reviewer
CIKM 2020, *29th ACM International Conference On Information And Knowledge Management*, Galway, Ireland (Online), Papers Reviewed: 2.

Sub-reviewer
HT 2020, *23st ACM Conference on Hypertext and Social Media*, (Online), Papers Reviewed: 1.

Sub-reviewer
IRCDL 2019, *15th Italian Research Conference On Digital Libraries*, Pisa, Italy, Papers Reviewed: 1.

Teaching

Course
Social Computing, *Bachelor's Degree in Internet of Things, Big Data & Web*, University of Udine. Academic Year 2020/2021.
Lectures: 6. Hours: 12.

Mentoring

Co-Supervision
Advanced laboratory project, student of the Master Degree in Computer Science at the University of Udine, his task concerned the development of new functionalities for a software used to generate new crowdsourcing tasks using a set of configuration files.

Co-Supervision
Advanced laboratory project, student of the Master Degree in Computer Science at the University of Udine, his task concerned the integration of a set of experiments concerning the proposal of a new metric to measure the effectiveness of Information Retrieval systems.

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Co-Supervision	**Advanced laboratory project**, student of the Master Degree in Computer Science at the University of Udine, his task concerned the construction of a software which allows to stochastically generate relevance profiles.

Honors & Grants

2020	**Student Grant**, *29th ACM International Conference On Information And Knowledge Management (CIKM 2020)*, Galway, Ireland. Online (Held remotely due to COVID-19). Provided by CIKM, Free conference subscription.
2020	**Volunteer**, *43rd International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR 2020)*, Xi'an, China. Online (Held remotely due to COVID-19), Free conference subscription.

Links

Google Scholar, https://scholar.google.com/citations?user=ocKOqRUAAAAJ.
ORCID, https://orcid.org/0000-0002-7337-7592.
DBLP, https://dblp.org/pid/222/1241.html.
Research Gate, https://www.researchgate.net/profile/Michael_Soprano.
Mendeley, https://www.mendeley.com/profiles/michael-soprano/.
Scopus, https://www.scopus.com/authid/detail.uri?authorId=57203392311.
ACM Digital Library, https://dl.acm.org/profile/99659280921.

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