



Michael Soprano

Curriculum Vitae

Education

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

Work Experience

- Jun. 2018– **Research Fellow**, *University of Udine*, Udine.
Oct. 2019 Research project co-funded by SISSA Medialab.
- Jun. 2017– **Full Stack Web Developer**, *Datamantix S.r.l.*, Udine.
Feb. 2019 Design, development and maintenance of various kinds of web applications and chatbots.
- Aug. 2017– **Full Stack Web Developer**, *Archeido S.r.l.*, Udine.
Feb. 2018 Development of a web application.
- Nov. 2015– **Full Stack Web Developer**, *Troublezine*.
Feb. 2016 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, Michael Soprano, 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, Michael Soprano, 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, Michael Soprano 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**, Michael Soprano, 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**, Michael Soprano 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/10.1007/978-3-030-11226-4_21
- 2018 **Reproduce and Improve: An Evolutionary Approach to Select a Few Good Topics for Information Retrieval Evaluation**, Kevin Roitero, Michael Soprano, 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, Michael Soprano 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>

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.
- 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.

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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=ocK0qRUAAAAJ>.

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/>.

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