Michael Soprano, PhD Student

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Education

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

Visits

Mar. 2022 – Jul. 2022	🔖	**Visiting Student**, Centrum Wiskunde & Informatica, Amsterdam, The Netherlands. Visiting period as PhD student.

Work Experience

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

Publications

1   Draws, T., La Barbera, D., **Soprano, M.**, Roitero, K., Ceolin, D., Checco, A., & Mizzaro, S. (2022). The Effects of Crowd Worker Biases in Fact-Checking Tasks. In *Proceedings of the 2022 ACM Conference on Fairness, Accountability, and Transparency* (pp. 2114–2124). 🔗 doi:10.1145/3531146.3534629

2   **Soprano, M.**, Roitero, K., Bombassei De Bona, F., & Mizzaro, S. (2022). Crowd_Frame: A Simple and Complete Framework to Deploy Complex Crowdsourcing Tasks Off-the-Shelf. In *Proceedings of the fifteenth acm international conference on web search and data mining* (pp. 1605–1608).
 🔗 doi:10.1145/3488560.3502182

3   Brand, E., Roitero, K., **Soprano, M.**, Rahimi, A., & Demartini, G. (2022). A Neural Model to Jointly Predict and Explain Truthfulness of Statements. *Journal of Data and Information Quality*, *58*(6).
 🔗 doi:10.1145/3546917

4. Ceolin, D., Primiero, G., **Soprano**, **M.**, & Wielemaker, J. (2022). Transparent assessment of information quality of online reviews using formal argumentation theory. *Information Systems*, 102107. doi:10.1016/j.is.2022.102107

5. Brand, E., Roitero, K., **Soprano**, **M.**, & Demartini, G. (2021). E-BART: Jointly Predicting and Explaining Truthfulness. In I. Augenstein, P. Papotti, & D. Wright (Eds.), *Proceedings of the 2021 truth and trust online conference (TTO 2021), virtual, october 7-8, 2021* (pp. 18–27). Hacks Hackers. Retrieved from https://truthandtrustonline.com/wp-content/uploads/2021/10/TTO2021%5C_paper%5C_16-1.pdf

6. Roitero, K., **Soprano**, **M.**, Portelli, B., De Luise, M., Spina, D., Mea, V. D., … Demartini, G. (2021). Can The Crowd Judge Truthfulness? A Longitudinal Study on Recent Misinformation About COVID-19. *Personal and Ubiquitous Computing*. doi:10.1007/s00779-021-01604-6

7. Ceolin, D., Primiero, G., Wielemaker, J., & **Soprano**, **M.** (2021). Assessing the Quality of Online Reviews Using Formal Argumentation Theory. In Brambilla, Marco and Chbeir, Richard and Frasincar, Flavius and Manolescu, Ioana (Ed.), *Web Engineering* (71–87). Cham: Springer International Publishing.

8. **Soprano**, **M.**, Roitero, K., La Barbera, D., Ceolin, D., Spina, D., Mizzaro, S., & Demartini, G. (2021). The Many Dimensions of Truthfulness: Crowdsourcing Misinformation Assessments on a Multidimensional Scale. *Information Processing & Management*, 58(6), 102710. doi:https://doi.org/10.1016/j.ipm.2021.102710

9. Roitero, K., **Soprano**, **M.**, Portelli, B., Spina, D., Della Mea, V., Serra, G., … Demartini, G. (2020). The COVID-19 Infodemic: Can the Crowd Judge Recent Misinformation Objectively? In *Proceedings of the 29th ACM International Conference on Information and Knowledge Management (CIKM2020). Galway, Ireland (Online). October 19-23, 2020. Conference Rank: GGS A+, Core A* (1305–1314). doi:{10.1145/3340531.3412048}

10. Roitero, K., **Soprano**, **M.**, Fan, S., Spina, D., Mizzaro, S., & Demartini, G. (2020). Can The Crowd Identify Misinformation Objectively? The Effects of Judgment Scale and Assessor's Background. In *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** (439–448). doi:{10.1145/3397271.3401112}

11. **Soprano**, **M.**, Roitero, K., & Mizzaro, S. (2019a). Bias and Fairness in Effectiveness Evaluation by Means of Network Analysis and Mixture Models. In Maristella Agosti and Emanuele Di Buccio and Massimo Melucci and Stefano Mizzaro and Gabriella Pasi and Fabrizio Silvestri (Ed.), *Proceedings of the 10th Italian Information Retrieval Workshop, Padova, Italy, September 16-18, 2019* (Vol. 2441, 6–7). CEUR-WS.org. Retrieved from %7Bhttp://ceur-ws.org/Vol-2441/paper4.pdf%7D

12. **Soprano**, **M.**, Roitero, K., & Mizzaro, S. (2019b). HITS Hits Readersourcing: Validating Peer Review Alternatives Using Network Analysis. In Muthu Kumar Chandrasekaran and Philipp Mayr (Ed.), *Proceedings of the 4th Joint Workshop on Bibliometric-enhanced Information Retrieval and Natural Language Processing for Digital Libraries (BIRNDL 2019) co-located with the 42nd International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR 2019), Paris, France, July 25, 2019* (Vol. 2414, 70–82). CEUR-WS.org. Retrieved from %7Bhttp://ceur-ws.org/Vol-2414/paper7.pdf%7D

13. **Soprano**, **M.**, & Mizzaro, S. (2019a). Crowdsourcing Peer Review in the Digital Humanities? In *Book of Abstracts, 8th AIUCD Conference 2019 – Pedagogy, Teaching, and Research in the Age of Digital Humanities, page 251. Udine, Italy, 2019* (p. 251). Udine, Italy. Retrieved from http://aiucd2019.uniud.it/wp-content/uploads/2020/03/AIUCD2019-BoA_DEF.pdf

14. **Soprano**, **M.**, & Mizzaro, S. (2019b). Crowdsourcing Peer Review: As We May Do. In Paolo Manghi and Leonardo Candela and Gianmaria Silvello (Ed.), *Digital Libraries: Supporting Open Science - 15th Italian Research Conference on Digital Libraries, IRCDL 2019, Pisa, Italy, January 31 - February 1, 2019, Proceedings* (Vol. 988, 259–273). doi:{10.1007/978-3-030-11226-4_21}

15 Roitero, K., **Soprano**, **M.**, Brunello, A., & Mizzaro, S. (2018). Reproduce and Improve: An Evolutionary Approach to Select a Few Good Topics for Information Retrieval Evaluation. *J. Data and Information Quality*, *10*(3). 🔗 doi:{10.1145/3239573}

16 Roitero, K., **Soprano**, **M.,** & Mizzaro, S. (2018). Effectiveness Evaluation with a Subset of Topics: A Practical Approach. In *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** (1145–1148). 🔗 doi:{10.1145/3209978.3210108}

Metrics

	Scholar	Scopus	ACM Digital Library
Articles	16	13	8
Citations	95	59	26
Citations / Articles	5.94	4.54	3.25
H-index	4	4	–
i10-index	3	–	–

Talks

2022   🔖 **Crowd_Frame: A Simple and Complete Framework to Deploy Complex Crowdsourcing Tasks Off-the-Shelf** *The 15th ACM International Conference on Web Search and Data Mining*, October 19-23, 2020. Phoenix, U.S.A. Online, held remotely due to COVID-19 (pre-recorded contribution).
https://dl.acm.org/doi/abs/10.1145/3488560.3502182
supplemental material section

2020   🔖 **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

   🔖 **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://www.youtube.com/watch?v=D10EtrThvbc
https://dl.acm.org/doi/abs/10.1145/3397271.3401112
supplemental material section

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

Teaching

2021-2022   🔖 **Social Computing**, Bachelor's Degree in Internet of Things, Big Data & Web, University of Udine. Academic Year 2021/2022. Lectures: 6. Hours: 12.

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

Academic Activity

Organizational Roles

2022 — Proceedings and Website Chair at the 4th Symposium on Biases in Human Computation and Crowdsourcing (BHCC 2022), Rome, Italy

Program Committee Roles

2023 — 45th European Conference on Information Retrieval (ECIR 2023), Dublin, Ireland. Short Paper Track.

2022 — 45th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR 2022), Madrid, Spain. Short Paper Track.

2021 — Third Symposium on Biases in Human Computation and Crowdsourcing (BHCC 2021), Online.

Reviewer

2022 — The Tenth AAAI Conference on Human Computation and Crowdsourcing (HCOMP 2022), Online.

— Conference and Labs of the Evaluation Forum (CLEF 2022), Bologna, Italy.

2021 — 44th European Conference on Information Retrieval (ECIR 2022), Stavanger, Norway.

— 30th ACM International Conference On Information And Knowledge Management (CIKM 2021), Online.

— 32nd ACM Conference on Hypertext and Social Media, (HT 2021), Online.

2020 — 29th ACM International Conference On Information And Knowledge Management (CIKM 2020), Galway, Ireland (Online).

— 31st ACM Conference on Hypertext and Social Media (HT 2020), Online.

2019 — 15th Italian Research Conference On Digital Libraries (IRCDL 2019), Pisa, Italy.

Mentoring

2020 – 2021 — **Co-supervision** of the thesis of 1 Master (MSC), 8 Bachelor (BSC) Students, and various students advanced projects and seminars

Affiliations

2021 – Today — **Member** of the SMDC Laboratory (Social, Mobile, Data, Crowd), see `http://smdc.uniud.it/smdc/membri/?lang=en`

Honors & Grants

2022 — **Student Grant**, *15th ACM International Conference on Web Search and Data Mining (WSDM 2022)*, Phoenix, U.S.A. Online (Held remotely due to COVID-19). Provided by WSDM. Free conference subscription.

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.

2019 — **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.

References

Available on Request

Links

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