

# Gian Maria Campedelli, PhD

Assistant Professor

Department of Sociology and Social Research — University of Trento

Via Verdi 26, 38122, Trento, Italy

Email:

`gianmaria.campedelli@unitn.it`

## FIELDS OF INTEREST

---

*Computational Criminology, Multi-agent AI Systems, Causal Inference, Public Policy*

## EDUCATION

---

- 2020. Ph.D. **Criminology** — Catholic University, Milan (Italy)  
Dissertation: *On Meta-Networks, Deep Learning, Time and Jihadism*  
Advisor: Prof. Kathleen M. Carley (Carnegie Mellon University)  
Defence Evaluation Committee: Toine Spapens (Tilburg University), Dina Siegel (Utrecht University), Aleksandras Dobryninas (University of Vilnius)
- 2016. M.Sc. **Public Policy** (*magna cum laude*) — Catholic University, Milan (Italy)  
Thesis: *Measuring Mafia at Municipal Level: Development of a Composite Indicator to Analyze the Presence of Organized Crime in Italy*  
Advisor: Prof. Francesco Calderoni
- 2014. B.A. **Political Science** — Catholic University, Milan (Italy)  
Thesis: *Il crollo del comunismo e la fine della Storia. Le tesi di Fukuyama nel dibattito europeo (The collapse of communism and the end of History. Fukuyama's theses in the European debate)*  
Advisor: Prof. Silvio Cotellessa

## POSITIONS

---

- 2025-onward: Assistant Professor (Tenure-track)  
*Department of Sociology and Social Research* — **University of Trento**
- 2025-onward: Fellow  
*Mobile and Social Computing Lab* — **Fondazione Bruno Kessler**
- 2023-2025: Research Scientist  
*Mobile and Social Computing Lab* — **Fondazione Bruno Kessler**
- 2020-2023: Postdoctoral Research Fellow  
*Department of Sociology and Social Research* — **University of Trento**

- 2020: Affiliate (Long Program on “High Dimensional Hamilton-Jacobi PDEs”) *Institute for Pure and Applied Mathematics* — **University of California, Los Angeles**
- 2016-2019: Researcher *Transcrime* — **Università Cattolica del Sacro Cuore, University of Bologna, University of Perugia**
- 2018: Visiting Research Scholar *School of Computer Science* — **Carnegie Mellon University**

## AWARDS

---

- 2024. *Early Career Award* - European Society of Criminology.
- 2021. *Finalist (Runner-up)* - Terrorism Research Initiative Ph.D. Thesis Award - 2019-2020 Best Doctoral Dissertation in the Field of Terrorism and Counter-terrorism Studies.

## ACADEMIC SERVICE

---

- 2025-onward *Associate Editor* – Journal of Computational Social Science
- 2025-onward *Editorial Board Member* – Computational and Mathematical Organization Theory

## ITALIAN NATIONAL QUALIFICATION

---

- 2024. **Sociology of Political and Legal Phenomena (14/C3)**: Italian national qualification to "Professore di Seconda Fascia" (equivalent of *Associate Professor*)
- 2022. **General Sociology (14/C1)**: Italian national qualification to "Professore di Seconda Fascia" (equivalent of *Associate Professor*)

## MEDIA COVERAGE

---

*The Guardian, The Financial Times, Los Angeles Times, The Economist, The Washington Post, NBC News, ABC News, El Universal, El País, El Imparcial, El Financiero, International Business Times, The Independent, Yahoo News, The Hill, Der Standard, Il Sole 24 Ore, La Repubblica, Radio24, L'Espresso, L'Arena, Courier International*

## PUBLICATIONS

---

### *Books*

1. **Campedelli, G.M.** (2022). *Machine Learning for Criminology and Crime Research: at the Crossroads*. Routledge, New York and London. ISBN: 9781032109190.

## Journal Articles

## Published and Accepted

1. Gonnella, G., **Campedelli, G. M.**, Menini, S., & Guerini, M. (2026). CrisiText: A dataset of warning messages for LLM training in emergency communication. Accepted at 19th Conference of the European Chapter of the Association of Computational Linguistics - EACL. URL: <https://openreview.net/forum?id=FR76oM8eGD>
2. **Campedelli, G. M.**, Penzo, N., Stefan, M., Dessì, R., Guerini, M., Lepri, B., & Staiano, J. (2025). I want to break free! Persuasion and anti-social behavior of LLMs in multi-agent settings with social hierarchy. *Transactions on Machine Learning Research*. URL: <https://openreview.net/forum?id=FR76oM8eGD>
3. Albors Zumel, A., Tizzoni, M., & **Campedelli, G. M.** (2025). Deep learning for crime forecasting in micro-geographical units. *Journal of Quantitative Criminology*. <https://doi.org/10.1007/s10940-025-09629-3>
4. **Campedelli, G. M.** (2024). Homicides involving Black victims are less likely to be cleared in the United States. *Criminology*. <https://doi.org/10.1111/1745-9125.12362>
5. Prieto Curiel, R., **Campedelli, G. M.**, & Hope, A. (2023). Reducing cartel recruitment is the only way to lower violence in Mexico. *Science*. <https://doi.org/10.1126/science.adh2888>
6. **Campedelli, G. M.**, Martinangeli, A. F. M., Daniele, G., & Pinotti, P. (2023). Organized crime, violence and support for the state. *Journal of Public Economics*. <https://doi.org/10.1016/j.jpubeco.2023.105029>
7. **Campedelli, G. M.**, Piza, E., Piquero, A., & Kurland, J. (2023). Evidence on the impact of the Prudential Center on crime in downtown Newark. *Journal of Experimental Criminology*. <https://doi.org/10.1007/s11292-023-09576-8>
8. Luca, M., **Campedelli, G. M.**, Centellegher, S., Tizzoni, M., & Lepri, B. (2023). Crime, inequality and public health: A survey of emerging trends in urban data science. *Frontiers in Big Data*. <https://doi.org/10.3389/fdata.2023.1124526>
9. **Campedelli, G. M.** (2022). Explainable machine learning for predicting homicide clearance in the United States. *Journal of Criminal Justice*. <https://doi.org/10.1016/j.jcrimjus.2022.101898>
10. Calderoni, F., Comunale, T., **Campedelli, G. M.**, Marchesi, M., Manzi, D., & Frualdo, N. (2022). Organized crime groups: A systematic review of individual-level risk factors related to recruitment. *Campbell Systematic Reviews*. <https://doi.org/10.1002/cl2.1218>
11. **Campedelli, G. M.**, Layne, J., Herzoff, J., & Serra, E. (2022). The geometrical shapes of violence: Predicting and explaining terrorist operations through graph embeddings. *Journal of Complex Networks*. <https://doi.org/10.1093/comnet/cnaco08>
12. **Campedelli, G. M.**, Cruickshank, I., & Carley, K. M. (2021). Multi-modal networks reveal patterns of operational similarity of terrorist organizations. *Terrorism & Political Violence*. <https://doi.org/10.1080/09546553.2021.2003785>
13. Meneghini, C., **Campedelli, G. M.**, Calderoni, F., & Comunale, T. (2021). Criminal careers prior to recruitment into Italian organized crime. *Crime & Delinquency*. <https://doi.org/10.1177/00111287211035994>

14. **Campedelli, G. M.**, Bartulovic, M., & Carley, K. M. (2021). Learning future terrorist targets through temporal meta-graphs. *Scientific Reports*. <https://doi.org/10.1038/s41598-021-87709-7>
15. **Campedelli, G. M.**, & Yaksic, E. (2021). Survival of the recidivistic? Revealing factors associated with the criminal career length of multiple homicide offenders. *Homicide Studies*. <https://doi.org/10.1177/10887679211010882>
16. **Campedelli, G. M.**, & D'Orsogna, M. R. (2021). Temporal clustering of disorder events during the COVID-19 pandemic. *PLOS One*. <https://doi.org/10.1371/journal.pone.0250433>
17. Calderoni, F., **Campedelli, G. M.**, Szekely, A., Paolucci, M., & Andrighetto, G. (2021). Recruitment into organized crime: An agent-based approach testing the impact of different policies. *Journal of Quantitative Criminology*. <https://doi.org/10.1007/s10940-020-09489-z>
18. **Campedelli, G. M.**, Aziani, A., Favarin, S., & Piquero, A. R. (2020). Disentangling community-level changes in crime trends during the COVID-19 pandemic in Chicago. *Crime Science*, 9(21). <https://doi.org/10.1186/s40163-020-00131-8>
19. **Campedelli, G. M.** (2020). Where are we? Using Scopus to map the literature at the intersection between artificial intelligence and crime. *Journal of Computational Social Science*. <https://doi.org/10.1007/s42001-020-00082-9>
20. **Campedelli, G. M.**, Aziani, A., & Favarin, S. (2020). Exploring the effects of COVID-19 containment policies on crime: An empirical analysis of the short-term aftermath in Los Angeles. *American Journal of Criminal Justice*. <https://doi.org/10.1007/s12103-020-09578-6>
21. Aziani, A., Favarin, S., & **Campedelli, G. M.** (2020). A security paradox: The influence of governance-type organized crime over the surrounding criminal environment. *British Journal of Criminology*, 60(4). <https://doi.org/10.1093/bjc/az087>
22. **Campedelli, G. M.**, Calderoni, F., Comunale, T., & Meneghini, C. (2019). Life course criminal trajectories of mafia members. *Crime & Delinquency*, 67(1). <https://doi.org/10.1177/0011128719860834>
23. Aziani, A., Favarin, S., & **Campedelli, G. M.** (2019). Security governance: Mafia control over ordinary crimes. *Journal of Research in Crime and Delinquency*, 57(4). <https://doi.org/10.1177/0022427819893417>
24. **Campedelli, G. M.**, Cruickshank, I., & Carley, K. M. (2019). A complex networks approach to find latent clusters of terrorist groups. *Applied Network Science*, 4(1), 1–22. <https://doi.org/10.1007/s41109-019-0184-6>
25. Dugato, M., Calderoni, F., & **Campedelli, G. M.** (2019). Measuring organised crime presence at the municipal level. *Social Indicators Research*, 147(1). <https://doi.org/10.1007/s11205-019-02151-7>
26. **Campedelli, G. M.**, Bartulovic, M., & Carley, K. M. (2019). Pairwise similarity of jihadist groups in target and weapon transitions. *Journal of Computational Social Science*, 2(2). <https://doi.org/10.1007/s42001-019-00046-8>
27. Calderoni, F., Superchi, E., Comunale, T., **Campedelli, G. M.**, Frualdo, N., & Marchesi, M. E. (2019). Protocol: Organised crime groups: A systematic review of individual-level risk factors related to recruitment. *Campbell Systematic Reviews*. <https://doi.org/10.1002/cl2.1022>

## Under Review

1. *Crime and the City: Computational Methods and the Future of Urban Crime Research*. With Aaron Chalfin (University of Pennsylvania), Zubin Jelveh (University of Maryland, College Park), Dan Semenza (Rutgers University), Eric Piza (Northeastern University), Bruno Lepri (FBK), Ariadna Albors Zumel (University of Trento), and Patrick Sharkey (Princeton University). Revise & Resubmit at Nature.
2. *More incapacitations or more social programs? Optimizing budget restrictions for fighting cartel violence in Mexico*. With Gustav Feichtinger (TU Wien), Dieter Grass (IIASA), Gernot Tragler (TU Wien), Stefan Wrzaczek (IIASA) and Rafael Prieto-Curiel (CSH). Revise & Resubmit at Nature Communications.
3. *Mafia, Politics and Machine Predictions*. With Gianmarco Daniele (University of Milan/Bocconi University) and Marco Le Moglie (Catholic University of Milan). Under Review at the Economic Journal.

## In Preparation

1. *Generative AI collective behavior needs an interactionist paradigm*. With Laura Ferrarotti (FBK), Bruno Lepri (FBK), Roberto Dessì (Samaya AI), Alex Pentland (MIT), Kathleen M. Carley (CMU), Andrea Baronchelli (City, University of London and Alan Turing Institute), Giovanni Iacca (University of Trento), James Evans (University of Chicago) and Joel Leibo (Google DeepMind)
2. *Artificial Intelligence and the Future of Criminology*. (Solo) Invited contribution for the Annual Review of Criminology
3. *A Criminology of Machines?* (Solo)
4. *Ambient Population and Crime: The Fragility of Causal Links in Urban Spaces*. With Ariadna Albors Zumel (University of Trento), Michele Tizzoni (University of Trento), and Wilson Hernandez (University of Pennsylvania).
5. *The Impact of Homicides on Business*. With Bruno Lepri (FBK), Ariadna Albors-Zumel (University of Trento), Massimiliano Luca (FBK), and Simone Centellegher (FBK)
6. *Narrow corridors and weak Skiba curves: Finding multiple equilibria amidst lethal cartel violence*. With Jon Caulkins (CMU), Gustav Feichtinger (TU Wien), Dieter Grass (IIASA), Gernot Tragler (TU Wien), Stefan Wrzaczek (IIASA) and Rafael Prieto-Curiel (CSH)

## Peer-Reviewed Proceedings

1. **Campedelli, G.M.**, Calderoni, F., Paolucci, M., Vilone, D., Cecconi, F., Comunale, T., & Andrighetto, G. (In press, 2020). *A Policy-oriented Agent-based Model of Recruitment into Organized Crime*. 2019 Social Simulation Conference.
2. **Campedelli, G.M.**, Cruickshank I., Carley K.M. (2019) Detecting Latent Terrorist Communities Testing a Gower's Similarity-Based Clustering Algorithm for Multi-partite Networks. In: Aiello L., Cherifi C., Cherifi H., Lambiotte R., Lió P., Rocha L. (eds) *Complex Networks and Their Applications VII. COMPLEX NETWORKS 2018*. Studies in Computational Intelligence, vol 812. Springer, Cham. pp. 292-303 DOI: [https://doi.org/10.1007/978-3-030-05411-3\\_24](https://doi.org/10.1007/978-3-030-05411-3_24).

3. **Campedelli, G.M.**, Cruickshank, I., Carley, K.M., (2018). Complex Networks for Terrorist Target Prediction, in: Thomson, R., Dancy, C., Hyder, A., Bisgin, H. (Eds.), *Social, Cultural, and Behavioral Modeling*. Springer International Publishing, Cham, pp. 348–353. DOI: [https://doi.org/10.1007/978-3-319-93372-6\\_38](https://doi.org/10.1007/978-3-319-93372-6_38).

### Book Chapters

1. **Campedelli, G.M.**, D'Orsogna M.R. (2024). Homicide and criminal careers: An empirical study on serial murderers. In M. DeLisi, K. Burgason (Eds.), *Routledge Handbook of Homicide Studies*.
2. Comunale, T., Calderoni, F., Marchesi, M. E., Superchi, E., **Campedelli, G. M.** (2020). Systematic Review of the Social, Psychological and Economic Factors Relating to Involvement and Recruitment into Organized Crime. In D. Weisburd, E. U. Savona, B. Hasisi, & F. Calderoni (Eds.), *Understanding Recruitment to Organized Crime and Terrorism: Social, Psychological and Economic Drivers*. Springer International Publishing. DOI: [https://doi.org/10.1007/978-3-030-36639-1\\_8](https://doi.org/10.1007/978-3-030-36639-1_8)
3. Savona, E. U., Calderoni, F., **Campedelli, G. M.**, Comunale, T., Ferrarini, M., Meneghini, C. (2020). The Criminal Careers of Italian Mafia Members. In D. Weisburd, E. U. Savona, B. Hasisi, & F. Calderoni (Eds.), *Understanding Recruitment to Organized Crime and Terrorism: Social, Psychological and Economic Drivers*. Springer International Publishing. DOI: [https://doi.org/10.1007/978-3-030-36639-1\\_10](https://doi.org/10.1007/978-3-030-36639-1_10)

### Other Refereed Publications

1. **Campedelli, G.M.** (Accepted, 2019). On Terrorism Memory and Predictability via Graph-Derived Multivariate Time Series: Integrating Meta-Networks and Deep Learning. *International Conference on Computational Social Science 2019*. University of Amsterdam. The Netherlands.
2. Calderoni, F., **Campedelli, G. M.**, Comunale, T., Marchesi, M. E., & Kamprad, A. (2017). Title Registration for a Systematic Review: What are the Social, Economic and Psychological Risk Factors the Lead to Recruitment to Organised Crime Groups? Campbell Collaboration. Link to the Document

### Other Non-Refereed Publications

1. Andrighetto, G., Calderoni, F., **Campedelli, G.M.**, Comunale, T., Hasisi, B., Weisburd, D., Paolucci, M. (2019) *Simulazione Agent-based dell’Affiliazione*. Presented at Ital-IA (Convegno Nazionale CINI sull’Intelligenza Artificiale - Italian National Conference on Artificial Intelligence) - Workshop on AI for Public Administration. Confindustria Headquarters, Rome, Italy
2. Savona, Ernesto U., Andriani R.A., Anesi C., Aziani A., Becucci S., Bignami A., Calderoni F., **Campedelli, G.M.**, et al. (2017). *Mafie e Globalizzazione - Relazione Finale*. In Stati Generali Della Lotta Alle Mafie. Ministero della Giustizia
3. Riccardi, M., Milani, R., **Campedelli, G. M.** (2016). *MONITOR - Monitoraggio dell’economia locale per prevenire l’infiltrazione della criminalità organizzata (Provincia di Crotone)*. Milano: Provincia di Crotone, Crimeteck (spin-off, Università Cattolica del Sacro Cuore - Transcrime)
4. Riccardi, M., Milani, R., **Campedelli, G. M.** (2016). *MONITOR - Monitoraggio dell’economia locale per prevenire l’infiltrazione della criminalità organizzata (Provincia di Vibo Valentia)*. Milano: Provincia di Crotone, Crimeteck (spin-off, Università Cattolica del Sacro Cuore - Transcrime).

## SELECTED INVITED TALKS (INSTITUTIONS)

---

- Princeton University (2026)
- University of Padua (2026)
- London School of Economics (2026, declined)
- TedX Geneva (2025)
- University of Miami (2025)
- European Society of Criminology – University of Lausanne (2025)
- Complexity Science Hub, Vienna (2025)
- University of California, Irvine (2024)
- University of Trento (2024, 2025)
- Ohio State University (2023, declined)
- Purdue University (2023)
- University of Montreal (2022)
- University of Florida (2022)
- University of Bologna (2021)
- Boise State University (2021)
- Netherlands Institute for the Study of Crime and Law Enforcement (2021)
- University of Maryland, College Park (2019)
- Bocconi University (2019)

## PRESENTATIONS AND POSTERS

---

1. **Campedelli, G.M.\***, Lepri, B., Luca, M., Centellegher, S., & Albors Zumel, A. (2025). *The Impact of Homicides on Business*. Presented at the 2025 Annual Meeting of the American Society of Criminology, Washington, DC, United States of America
2. **Campedelli, G.M.\***, Stefan, M., Penzo, N., Dessì, R., Guerini, M., Lepri, B., & Staiano J. (2025). *I Want to Break Free! Persuasion and Anti-Social Behavior of LLMs in Multi-Agent Settings with Social Hierarchy*. Presented at the 2025 Annual Meeting of the American Society of Criminology, Washington, DC, United States of America
3. **Campedelli, G.M.\***, Daniele, G., Le Moglie M. (2025). *Mafia, Politics and Machine Predictions*.<sup>1</sup> Presented at the Annual Meeting on the Risks of Future Crime. Kadir Has University, Istanbul, Turkey

---

<sup>1</sup>In presence of co-authors, the asterisk indicates I was (or will be) the actual presenter of the work.

4. **Campedelli, G.M.**. *Machine Learning and Crime Research*. (2025). Invited Talk at the University of California, Irvine, CA, United States of America
5. **Campedelli, G.M.**. (2025). *Contamination is Key: Some Insights on My Research*. Invited Talk at the University of Miami, Miami, FL, United States of America
6. **Campedelli, G.M.\***, Stefan, M., Penzo, N., Dessì, R., Guerini, M., Lepri, B., & Staiano J. (2025). *I Want to Break Free! Persuasion and Anti-Social Behavior of LLMs in Multi-Agent Settings with Social Hierarchy*. Presented at CS2Italy – the 1st Conference on Computational Social Science. University of Trento, Italy
7. **Campedelli, G.M.\***, Daniele, G., Le Moglie M. (2024). *Mafia, Politics and Machine Predictions*. Presented at the Transnational Workshop on the Economics of Crime (TWEC). ETH, Zurich, Switzerland
8. **Campedelli, G.M.\***, Daniele, G., Le Moglie M. (2024). *Mafia, Politics and Machine Predictions*. Presented at the Criminal Complexity Satellite at the 2024 Conference on Complex Systems (invited as Keynote Speaker). University of Exeter, United Kingdom
9. **Campedelli, G.M.\***, Prieto-Curiel, R., Caulkins, J., Feichtinger, G., Grass, D., Tragler, G., & Wrzaczek S. *More incapacitations or more social programs? Optimizing budget restrictions for fighting cartel violence in Mexico*. Presented at the 2024 Annual Meeting of the American Society of Criminology, San Francisco, CA, United States of America
10. **Campedelli, G.M.\*** (2023). *The computational study of Mexican cartels*. Presented at the C2S2 Seminars at the University of Trento, Italy
11. **Campedelli, G.M.\*** (2023). *Homicides involving Black victims are less likely to be cleared in the United States*. Presented at the 2023 Annual Meeting of the American Society of Criminology, Philadelphia, PA, United States of America
12. **Campedelli, G.M.\***, Daniele, G., Martinangeli, A.F.M., Pinotti P. (2023). *Organized crime, Violence and Support for the State*. Presented at the 2023 Annual Meeting of the American Society of Criminology, Philadelphia, PA, United States of America
13. **Campedelli, G.M.\***, Daniele, G., Martinangeli, A.F.M., Pinotti P. (2023). *Organized crime, Violence and Support for the State*. Presented at the 2023 Meeting of the European Society of Criminology, Florence, Italy
14. Prieto Curiel, R., **Campedelli, G.M.**, Hope, A. (2023). *Modelling and countering Mexican cartels through complex systems*. Presented at the 2023 International Conference on Complex Networks (co-author Rafale Prieto Curiel won the Best Presentation Award for our work). Aveiro, Portugal
15. **Campedelli, G.M.** (2022). *Multi-modal Networks Reveal Patterns of Operational Similarity of Terrorist Organizations*. Invited talk at Purdue University, West Lafayette, IN, United States of America
16. **Campedelli, G.M.** (2022). *Explainable Machine Learning for Predicting Homicide Clearance in the United States*. Presented at the 2022 Annual Meeting of the American Society of Criminology, Atlanta, GA, United States of America
17. **Campedelli, G.M.\***, Pinotti, P., Daniele, G., Martinangeli, A. (2022). *Experimental Evidence on the Impact of Organized Crime on Cooperation and Institutional Trust*. Presented at the 2022 Annual Meeting of the American Society of Criminology, Atlanta, GA, United States of America

18. **Campedelli, G.M.** (2022). *The Crossing Paths: Past, Present and Future Perspectives*. Invited talk at the University of Montreal, Quebec, Canada.
19. **Campedelli, G.M.** (2022). *Computaitonal Perspectives in Crime Research: Two Studies on Terrorism and Organized Crime*. Invited talk at the University of Florida, Gainesville, FL, United States of America
20. **Campedelli, G.M.\***, Calderoni F., Paolucci, M., Szekely, A., Andrighetto, G. (2021). *Recruitment into Organized Crime: An Agent-Based Approach Testing the Impact of Different Policies*. Presented at the 2021 Annual Meeting of the American Society of Criminology, Chicago, IL, United States of America
21. **Campedelli, G.M.\***, Bartulovic, M., Carley, K. (2021). *Learning Future Terrorist Targets through Temporal Meta-Graphs*. Presented at the 2021 Annual Meeting of the American Society of Criminology, Chicago, IL, United States of America
22. **Campedelli, G.M.** (2021). *Complex networks, AI and computational methods for terrorism research: applications and challenges*. Invited speaker at the Summer Institute in Computational Social Science (SICSS) 2021 - University of Bologna Edition. Virtual
23. **Campedelli, G.M.\***, Cruickshank, I., & Carley, K.M. (2021) *A Multi-Modal Graph Learning Framework to Capture the Evolution of Global Terrorism*. Presented at the 14th Annual Political Networks Conference (POLNET). Virtual
24. **Campedelli, G.M.** (2021). *Data Science Approaches to Unveil Terrorism Complexity*. Invited. Presented at the 2021 Summer Institutes in Computational Social Science - University of Bologna Edition. Virtual
25. **Campedelli, G.M.\***, Calderoni, F., Szekely, A., Paolucci, M., & Andrighetto, G. (2021). *Combining Agent-based Models and Multi-Layered Dynamic Networks to Test Interventions for Reducing Recruitment into Organized Crime*. Presented at Networks 2021. Virtual
26. Cruickshank, I., **Campedelli, G.M.\*** & Carley K. M. (2021). *A Multi-modal Graph Learning Framework to Capture the Evolution of Global Terrorism*. Presented at Networks 2021. Virtual
27. **Campedelli, G.M.** (2021). *Testing Policy Effects in Reducing Organized Crime through Dynamic Multi-layered Networks and Agent-based Modeling*. Presented at the Boise State University PhD programme in Computer Sciences. Virtual
28. **Campedelli, G.M.** (2021). *Combining complex networks and computational modeling in terrorism research*. Presented at the Trento Center for Social Research Methods Seminar Series. Virtual
29. **Campedelli, G.M.**(2021). *Three Studies on the Impact of COVID-19 on Crime and Social Unrest*. Presented at Netherlands Institute for the Study of Crime and Law Enforcement (NSCR). Virtual
30. **Campedelli, G.M.\***, Calderoni, F., & Meneghini, C. (2020). *Criminal careers of Italian mafia offenders*. Presented at the 2020 24-hour Conference on Organized Crime, organized by CIROC, Global Initiative, IASOC and ECPR-SGOC. Virtual
31. **Campedelli, G.M.**. *Where Are We? Using Scopus to Map the Literature at the Intersection Between Artificial Intelligence and Crime*. Presented at the Criminology Consortium (CrimCon) - 1st Edition. Panel: "Methodological Challenges and Breakthroughs". Virtual
32. **Campedelli, G.M.\***, Favarin, S., Aziani, A., & Piquero, A. *Disentangling Community-level Changes in Crime Trends During the COVID-19 Pandemic in Chicago*. Presented at the Criminology Consortium (CrimCon) - 1st Edition. Panel: "Crime in the time of COVID-19". Virtual

33. **Campedelli, G.M.**, Aziani, A., & Favarin, S. *Exploring the Effects and Theoretical Implications of Sars-CoV-2 Containment Policies: An Empirical Analysis of Crime in Los Angeles*. Presented at the Criminology Consortium (CrimCon) - 1st Edition. Panel: "Crime in the time of COVID-19". Virtual
34. Calderoni, F., **Campedelli, G.M.**, Szekely, A., Paolucci, M., & Andrighetto, G. *Recruitment into Organized Crime: an Agent-based Approach Testing the Impact of Different Policies*. Presented at the Criminology Consortium (CrimCon) - 1st Edition. Panel: "International Perspectives". Virtual
35. **Campedelli, G.M.\***, Yaksic, A. *Survival of the Recidivistic? Revealing Factors Associated to the Length of Multiple Homicide Offenders' Criminal Careers*. Presented at the Criminology Consortium (CrimCon) - 1st Edition. Panel: "Recidivism". Virtual
36. **Campedelli, G.M.\***, Aziani, A., & Favarin, S., & Piquero A.R. (2020). *Disentangling Community-level Changes in Crime Trends During the COVID-19 Pandemic in Chicago*. Presented at the University College London seminar "COVID-19+Crime". Event Url. Virtual
37. **Campedelli, G.M.**, Aziani, A., & Favarin, S. (2020). *Exploring the Effect of 2019-nCoV Containment Policies on Crime: The Case of Los Angeles*. Presented at the University College London seminar "COVID-19+Crime". Event Url. Virtual
38. **Campedelli, G.M.\***, Calderoni, F., Comunale, T., & Meneghini, C. *Life-Course Criminal Trajectories of Mafia Members* (2020). Presented at CLEAN Seminar Series, Bocconi University, Milan, Italy
39. **Campedelli, G.M.\***, Calderoni, F., Paolucci, M., Vilone, D., Cecconi, F., Comunale, T., & Andrighetto, G. (2019). *A Policy-oriented Agent-based Model of Recruitment into Organized Crime*. Presented at the 2019 Social Simulation Conference, Mainz, Germany
40. **Campedelli, G.M.** (2019). *Is there an Order in Evil? Artificial Intelligence, Complex Networks and Terrorism*. Presented at the 2019 Big Data Trends Workshop. School of Mathematics and Physics - Università Cattolica del Sacro Cuore, Brescia, Italy
41. **Campedelli, G.M.**. (2019). *On Terrorism Memory and Predictability via Graph-Derived Multivariate Time Series: Integrating Meta-Networks and Deep Learning*. Presented at the 2019 International Conference on Computational Social Science (IC<sup>2</sup>S<sup>2</sup>). University of Amsterdam, Amsterdam, The Netherlands
42. Calderoni, F., **Campedelli, G.M.**, Comunale, T., Savona, E.U., Andrighetto, G., Paolucci, M., *Simulating the Recruitment Into Organized Crime Through A Multilevel Network Approach*. Presented at the 2019 Illicit Networks Workshop. University of Montreal, Montreal, Canada
43. Aziani, A., Favarin, S., **Campedelli, G.M.** (2019). *Mafia Control Over Ordinary Crimes*. Presented at the XIX Annual Conference of the European Society of Criminology, Gent, Belgium
44. Calderoni, F., Andrighetto, G., **Campedelli, G. M.**, Comunale T., Paolucci, M. (2019). *A Multiplex Network Approach to Explore the Impact of Different Policies on the Recruitment Into Organized Crime*. Presented at the 2019 Annual Meeting of the American Society of Criminology, San Francisco, CA, United States of America
45. Andrighetto, G., Calderoni, F., **Campedelli, G.M.**, Comunale, T., Hasisi, B., Weisburd, D., & Paolucci, M. (2019) *Simulazione Agent-based dell’Affiliazione*. Presented at Ital-IA (Convegno Nazionale CINI sull’Intelligenza Artificiale) - Workshop on AI for Public Administration. Confindustria Headquarters, Rome, Italy

46. Calderoni, F., **Campedelli, G. M.**, Comunale, T., Ferrarini, M., & Meneghini, C. (2018). *Criminal Trajectories in the Italian Mafias*. Paper presented at the 2018 Annual Meeting of the American Society of Criminology, Atlanta, GA, United States of America
47. **Campedelli, G.M.\***, Cruickshank, I., Carley, K.M., (2018). *Complex Networks for Terrorist Target Prediction*. Presentation of the paper at the 2018 International Conference on Social Computing, Behavioral-Cultural Modeling & Prediction and Behavior Representation in Modeling and Simulation, Washington, DC, United States of America
48. **Campedelli, G.M.\***, Cruickshank, I., Carley, K.M., (2018). *Detecting Latent Terrorist Communities Testing a Gower's Similarity-based Clustering Algorithm for Multi-Partite Networks*. Paper presented at the VII International Conference on Complex Networks and Their Applications, Cambridge, United Kingdom
49. Calderoni, F., **Campedelli, G. M.**, Comunale, T., Ferrarini, M., Meneghini, C., & Savona, E. U. (2018). *The criminal career of members of the Italian Mafias*. Presentation of Project PROTON. Presented at the XVIII Annual Conference of the European Society of Criminology, Sarajevo, Bosnia and Herzegovina
50. Dugato, M., Calderoni, F., & **Campedelli, G. M.** (2018). *Constructing a reliable measure of the Mafia presence in Italy*. Presented at the XVIII Annual Conference of the European Society of Criminology, Sarajevo, Bosnia and Herzegovina
51. Calderoni, F., Comunale, T., **Campedelli, G. M.**, & Frualdo, N. C. (2018). *What are the social, economic and psychological risk factors that lead to recruitment into organised crime groups?*. Presented at the The Stockholm Criminology Symposium, Stockholm, Sweden
52. **Campedelli, G. M.\***, Bartulovic, M., & Carley, K. M. (2018). *Patterns of Jihadist Terrorism Using Transition Networks: an Exploration on Target Selection*. Presented at the CASOS Summer School - Carnegie Mellon University, Pittsburgh, PA, United States of America
53. **Campedelli, G.M.\*** (2018) *Deep Learning and Network Science for Terrorist Event Prediction*. Invitation at the Worskhop "Inside the Black Box of 'Terrorism Informatics': A Cost-Benefit Analysis of Using Computational Techniques in Violent Online Political Extremism Research" organized by Vox Pol - Network of Excellence For Research in Violent Online Political Extremism. Dublin City University, Dublin, Ireland. (I had to decline the invitation due to travel issues)
54. Comunale, T., Aziani, A., Calderoni, F., **Campedelli, G. M.**, Marchesi, M. E., & Savona, E. U. (2017). *The Recruitment into Organized Crime Groups: A Quantitative Exploration of the Criminal Career of Members of the Italian Mafias*. Presented at the 2017 Annual Meeting of the American Society of Criminology, Philadelphia, PA, United States of America
55. Savona, E. U., Calderoni, F., **Campedelli, G. M.**, Comunale, T., Ferrarini, M., & Meneghini, C. (2017). *Criminal Careers of Members of the Italian mafias: First Results of Project PROTON*. Presented at the Annual Meeting of the Italian Society of Criminology, Siena, Italy

## TEACHING

---

- 2025. **Invited Guest Lecturer** – Summer School of the European Society of Criminology, University of Lausanne, Switzerland.

- A.Y. 2025/2026. **Lecturer** – Applied Social Research, B.A. in Sociology, University of Trento.
- A.Y. 2021/2022–2022/2023, 2025/2026. **Lecturer** – Computational Social Science, M.Sc. in Data Science, University of Trento.
- A.Y. 2024/2025–2025/2026. **Lecturer** – Computational Methods in Social Research, PhD Programme in Sociology and Social Research, University of Trento.
- A.Y. 2020/2021–2022/2023. **Lecturer** – Introduction to Python; Machine Learning for the Social Sciences, PhD Programme in Sociology and Social Research, University of Trento.
- A.Y. 2020/2021–2021/2022. **Lecturer** – Introduction to Stata, PhD Programme in Sociology and Social Research, University of Trento.
- A.Y. 2018/2019. **Teaching Assistant** – Applied Models of Criminal Analysis (Inferential Statistics in Criminology), M.Sc. in Public Policy, Università Cattolica del Sacro Cuore.
- A.Y. 2018/2019. **Seminar Lecturer** – Complex Criminal Phenomena; Organised Crime, Terrorism and Corruption; Scientific Writing Seminar, Università Cattolica del Sacro Cuore.
- A.Y. 2017/2018. **Teaching Assistant** – Applied Models of Criminal Analysis (Inferential Statistics in Criminology), M.Sc. in Public Policy, Università Cattolica del Sacro Cuore.
- A.Y. 2017/2018. **Seminar Lecturer** – Scientific Writing Seminar; Complex Criminal Phenomena, Università Cattolica del Sacro Cuore.

## TUTORING AND MENTORING

---

### *Mentees*

- 2022-2026. Ariadna Albors Zumel. PhD in Sociology and Social Research, University of Trento. Dissertation Project Title: *Forecasting Crime at Micro-places with Deep Learning*
- 2025. Barbara Pacetta. MSc in Data Science, University of Trento. Thesis co-advisor. Final grade: 110/110 (cum laude)
- 2025. Josefine Meyer. MSc in Sociology and Social Research (with University of Bamberg). Thesis co-advisor.
- 2024. Massimo Stefan. MSc in Artificial Intelligence Systems, University of Trento. Research Internship Tutor. Final grade: 110/110 (cum laude)
- 2017. Martina Elena Marchesi. M.A. Political Science (Major in International Cooperation), Catholic University. Dissertation Title: *"Dynamic Intersections? The human factor between terrorism and organised crime"*. Final grade: 110/110 (cum laude)

### *Other Activities*

- 2025-2026. Daniele Bellutta (Thesis Committee Member – External). Societal Computing PhD Program, Carnegie Mellon University. Dissertation Project Title: *Forensic Analysis of Observed Social Networks*

## SKILLS

---

|                              |                                                                                                                                         |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Programming Languages</b> | Python, R, Stata, NetLogo                                                                                                               |
| <b>Software</b>              | ORA (Network Science), NetMapper (Text Analysis),<br>QGIS, CrimeStat, L <sup>A</sup> T <sub>E</sub> X, MS Word, MS Excel, MS PowerPoint |

## SCHOLARSHIPS AND GRANTS

---

- 2020-2022. *Department of Excellence Fellowship* - University of Trento. Funded by the Italian Ministry of University and Research.
- 2016-2019. *Ph.D. Full Scholarship (3 years)* - Italian Ministry of Education, University and Research.
- 2019. *Travel Scholarship* International Conference on Computational Social Science. University of Amsterdam, Amsterdam.
- 2018. *Travel Scholarship*. International Conference on Social Computing, Behavioral-Cultural Modeling, & Prediction and Behavior Representation in Modeling and Simulation (SBP BRiMS). George Washington University, Washington (DC).

## REFEREE

---

- **Criminology and Sociology:** *Criminology, Social Forces, Justice Quarterly, Journal of Quantitative Criminology, Journal of Research in Crime and Delinquency, Journal of Criminal Justice, Journal of Experimental Criminology, Criminology & Public Policy, Crime & Delinquency, Terrorism and Political Violence, International Journal of Drug Policy, Crime Science, European Journal on Criminal Policy and Research, Journal of Investigative Psychology and Offender Profiling, Global Crime, Journal of Crime and Justice, Violence Against Women, Trends and Issues in Crime and Criminal Justice, International Criminal Justice Review, Security Journal, European Sociological Review*
- **Computer Science, Statistics and Data Science:** *Journal of the Royal Statistical Society: Series A, Computers in Human Behavior, Journal of Artificial Societies and Social Simulation, Applied Soft Computing, International Conference on Social Computing, Behavioral-Cultural Modeling & Prediction and Behavior Representation in Modeling and Simulation (SBP-BRiMS), ISPRS International Journal of Geo-Information, Scientific Programming, Social Network Analysis & Mining, Computational and Mathematical Organization Theory, IEEE Access, Artificial Intelligence and Law*
- **Other:** *Swiss National Science Foundation, Oxford University Press, Foundation for Polish Science, Routledge, PLOS One, BMJ Open, MDPI Sustainability, Frontiers in Pediatrics, European Journal of Social Psychology, Quality & Quantity, Journal of Empirical Legal Studies, Applied Economics, Nature Health*

## OTHER PROFESSIONAL SERVICE

---

- 2026. **Scientific Committee Member** - CS2Italy, 2st Conference on Computational Social Science, ISI Foundation, Turin, Italy.
- 2025. **Program Committee Member** - International Conference on Computational Social Science (IC2S2). Norrköping, Sweden.
- 2025. **Scientific Committee Member** - CS2Italy, 1st Conference on Computational Social Science, University of Trento, Italy.
- 2023. **Program Committee Member** - International Conference on Complex Networks & Their Applications - Menton Riviera, France.
- 2022. **Program Committee member** - International Conference on Complex Networks & Their Applications - Palermo, Italy.
- 2021. **Co-chair** - European Society of Criminology Working Group on Crime, Criminal Justice and COVID-19
- 2021. **Program Committee Member** - 2021 International Conference on Social Computing, Behavioral-Cultural Modeling & Prediction and Behavior Representation in Modeling and Simulation (SBP-BRiMS) - Virtual.
- 2020. **Program Committee Member** - 2020 International Conference on Social Computing, Behavioral-Cultural Modeling & Prediction and Behavior Representation in Modeling and Simulation (SBP-BRiMS) - Washington, DC.
- 2019. **Program Committee Member** - 2019 International Conference on Social Computing, Behavioral-Cultural Modeling & Prediction and Behavior Representation in Modeling and Simulation (SBP-BRiMS) - Washington, DC.
- A.Y. 2018/2019. **Academic Tutor for the Stage and Placement Area** - M.Sc. in Public Policy (Major in Security Policy). Main tasks:
- July 2017. **Organisation Staff** - "La Criminologia nelle Università Italiane" (The State of Criminology in Italian Universities) Conference. Università Cattolica del Sacro Cuore, Milan, Italy.
- October 2016. **Organisation Staff** - Horizon 2020 Project PROTON Kick-off Meeting Workshop. Università Cattolica del Sacro Cuore, Milan, Italy.

## SCHOOLS ATTENDED

---

- June 2017. CASOS Summer Institute on Social and Dynamic Networks and Simulation. School of Computer Science - Carnegie Mellon University, Pittsburgh PA.

## PROFESSIONAL MEMBERSHIPS

---

- European Society of Criminology (ESC)

## OTHER ACTIVITIES

---

- 2017. Founding member of "La Civetta di Minerva" (*The Owl of Minerva*). La Civetta di Minerva is a cultural association which organizes monthly debates and conferences in the province of Verona (Italy) with the aim to increase the debate on cultural and intellectual topics. The meetings cover different fields and topics: artificial intelligence, philosophy, neuroscience, literature, criminology, political science.
- 2016. 9th Tapirulan National Poetry Contest - *Finalist* (One of my poems has been published in the final anthology).
- 2015. 8th Tapirulan National Poetry Contest - *Youngest Finalist* (One of my poems has been published in the final anthology).
- 2009. *Winner* of the "Paola Minutello" High School Poetry Contest.
- 2009. 4th "Certamen Catullianum" regional contest on the analysis of Latin poetry - *Placement of Honours*.
- 2009. *Winner* of the "Diventiamo Cittadini Europei" (*Becoming European Citizens*) regional contest with a paper on Obama's new challenges in 2009 Foreign Policy.

## LANGUAGES

---

- **Italian:** Native speaker
- **English:** Fluent (speaking, reading, writing)
- **Spanish:** Intermediate (speaking, reading), Basic (writing)

Trento, June 13, 2026