

Ferdinando FIORETTO

Assistant Professor

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PROFESSIONAL EXPERIENCE & EDUCATION

Current	University of Virginia, Computer Science, Charlottesville, VA
Jun. 2023	ASSISTANT PROFESSOR
Jun. 2023	Syracuse University, Electrical Engineering & Computer Science, Syracuse, NY
Jan. 2020	ASSISTANT PROFESSOR
Dec. 2019	Georgia Institute of Technology, School of Industrial and System Engineering, Atlanta, GA
Sep. 2018	POST-DOCTORAL RESEARCHER
Dec. 2018	University of Michigan, Industrial and Operations Engineering, Ann Arbor, MI
Sep. 2016	RESEARCH FELLOW

MOST CLOSELY RELATED PRODUCTS

1. **Ferdinando Fioretto**, Pascal Van Hentenryck, Juba Ziani. “Differential Privacy Overview and Fundamental Techniques”. part of Now Publishing Book : Differential Privacy in AI : From Theory to Practice, 2025.
2. Jacob K Christopher, Michael Cardei, Brian R Bartoldson, Bhavya Kailkhura, **Ferdinando Fioretto**. “Speculative Diffusion Decoding : Accelerating Language Generation through Diffusion”. ENLP at NeurIPS, 2024.
3. Sree Nelaturu, Kanna Ravichandran, Cuong Tran, Sara Hooker, and **Ferdinando Fioretto**. “On The Fairness Impacts of Hardware Selection in Machine Learning”. ICML, 2024.
4. Cuong Tran, **Ferdinando Fioretto**. “Data Minimization at Inference Time”. NeurIPS, 2023.
5. Cuong Tran, **Ferdinando Fioretto**, Pascal Van Hentenryck, Zhiyan Yao. “Decision Making with Differential Privacy under a Fairness Lens”. IJCAI, 2021.
6. Cuong Tran, My H. Dinh, **Ferdinando Fioretto**. “Differentially Private Deep Learning under the Fairness Lens”. NeurIPS, 2021.

SELECTED HONORS AND AWARDS

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| 2022 | Caspar Bowden PET Award, Privacy Enhancing Technologies (PETs). 🔗 Link |
| 2022 | NSF CAREER Award, National Science Foundation. 🔗 Press |
| 2022 | Amazon Research Award, Amazon – AWS AI. 🔗 Link |
| 2022 | Google Research Scholar Award, Google. 🔗 Link |
| 2022 | Early Career Spotlight, International Joint Conference on Artificial Intelligence (IJCAI). 🔗 Link |
| 2022 | Best Paper Award, IEEE Transaction of Power System. 🔗 Link |
| 2021 | Early Career Researcher Award, Association for Constraint Programming. 🔗 Link |
| 2021 | Mario Gerla Young Investigator Award for Research in Computer Science, ISSNAF. 🔗 Press |
| 2021 | Best Paper Award, IEEE Transaction of Power System. 🔗 Link |
| 2018 | Best AI Dissertation Award, AI*IA. 🔗 Press |

SELECTED SYNERGISTIC ACTIVITIES

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| ➤ Conference co-chair : | International Conference on Principles and Practice of Constraint Programming (CP) | 2022 |
| ➤ Workshop co-organizer : | | |
| | Algorithmic Fairness through the Lens of Causality and Privacy, (at NeurIPS) | 2022 – 2025 |
| | Workshop on Machine Learning for Operational Research, (at AAAI) | 2022 – 2024 |
| | Workshop on Optimization and Learning in Multi-Agent Systems, at AAMAS | 2018–2022 |
| | Workshop on Privacy Preserving Artificial Intelligence, (at AAAI) | 2020–2025 |
| ➤ Senior Program Committee/Area Chair : | | |
| | AAAI Conference on Artificial Intelligence (AAAI) | 2020 – 2025 |
| | ACM Conference on Fairness, Accountability, and Transparency (ACM FAccT) | 2023 – 2025 |
| | Conference on Neural Information Processing Systems (NeurIPS) | 2023 – 2024 |
| | International Conference on Machine Learning (ICML) | 2023 – 2025 |
| | International Joint Conference on Artificial Intelligence (IJCAI) | 2021 – 2024 |
| | European Conference on Machine Learning (ECML) | 2023 – 2024 |