

DJORDJE ZIKELIC (ĐORĐE ŽIKELIĆ)

PERSONAL INFORMATION

Email: djordje.zikelic@ntu.edu.sg

Website: <https://djordjezikelic.github.io/>

RESEARCH INTERESTS

My research broadly focuses on **Formal Methods and Programming Languages** and their applications to **Trustworthy AI and Safe Autonomy**. The central goal of my work is to lay the theoretical and algorithmic foundations of formal verification of probabilistic models and programs. The central application domains include formal verification, runtime monitoring and safeguarding of AI-enabled control systems, and formal verification of machine learning models.

EMPLOYMENT

Nanyang Technological University, Singapore
College of Computing and Data Science
Assistant Professor

Jul 2026 - Present

EDUCATION

Institute of Science and Technology Austria (ISTA), Austria

2018 - 2023

Ph.D. in Computer Science

Advisors: Krishnendu Chatterjee, Petr Novotný

Thesis: *Automated Verification and Control of Infinite State Stochastic Systems*

Outstanding PhD Thesis 2024 and **Outstanding Scientific Achievement 2023** awards at ISTA

University of Cambridge, UK

2014 - 2018

Mathematical Tripos, Gonville & Caius College

Bachelor of Arts (BA) and Master of Mathematics (MMath)

Part III essay: *Lagrangians of Hypergraphs*

Mathematical Grammar School, Belgrade, Serbia

2010 - 2014

PRIOR EMPLOYMENT

Singapore Management University, Singapore
School of Computing and Information Systems
Assistant Professor of Computer Science

Jan 2024 - Jun 2026

HONOURS AND AWARDS

ATVA 2025 Distinguished Tool Paper Award

2025

For "PolyQEnt: A Polynomial Quantified Entailment Solver".

NeurIPS 2025 Top Reviewer Award

2025

Awarded to top 10% of reviewers for NeurIPS 2025.

FM 2024 Distinguished Paper Award

2024

For "Sound and Complete Witnesses for Template-based Verification of LTL Properties on Polynomial Programs".

SETTA 2024 Distinguished Reviewer Award

2024

Awarded to 4 distinguished reviewers for SETTA 2024.

Outstanding PhD Thesis

2024

Awarded annually for best PhD theses by the Institute of Science at Technology Austria.

Outstanding Scientific Achievement

2023

Together with Mathias Lechner, for our work on developing the first framework for learning and verifying neural controllers in stochastic dynamical systems. Awarded annually by the Institute of Science at Technology Austria.

Meta PhD Research Fellowship - finalist

2022

Shortlisted as one of the 4 finalists worldwide for the Programming Languages category.

Gonville & Caius College Scholarship and Cambridge Trust Scholarship

2014-2018

Full university fees, tuition fees, and maintenance costs.

Stephen Hawking Fund Award

2017

Awarded by Gonville & Caius College, Cambridge to mathematics students proceeding to Part III.

Scholar of the Gonville & Caius College, Cambridge

2015, 2016

High performance in the examinations of the Mathematical Tripos.

International High School Olympiads

2010-2014

Participated in international high school olympiads in mathematics, physics, and astronomy. Most notable results:

- International Olympiad in Astronomy and Astrophysics (IOAA) 2014 (bronze medal)
- International Mathematical Competition Arhimede 2013 (gold medal), 2012 (silver medal)
- International Junior Science Olympiad (IJSO) 2010 (bronze medal)
- International Astronomy Olympiad (IAO) 2010 (bronze medal)
- International Mathematical Olympiad (IMO) 2014 (first reserve for the Serbian team)

National High School Competitions

2010-2014

- Serbian Mathematical Olympiad: second prize in 2014, third prize in 2013, 2012
- Mathematics (national): **first overall** in 2014, 2012, 2010, **second overall** in 2013
- Physics (national): first prize in 2013, second prize in 2012, 2011, third prize in 2014
- Astronomy (national): second prize in 2014, 2012

INTERNSHIPS

Amazon, UK

Aug 2022 - Oct 2022

Applied Scientist Intern, Prime Video Automated Reasoning

Project: On-line Automated Threshold Analysis for Time-series Anomaly Detection

Amazon, UK (virtual)

Oct 2020 - Jan 2021

Applied Scientist Intern, Prime Video Automated Reasoning

Project: Differential Cost Analysis in Programs

Results featured in the **Amazon Science blog**, invited for presentation at the **Infer Practitioners Workshop 2021** organized by Meta and published at **PLDI 2022**, the premier venue in programming languages research.

PUBLICATIONS

* equal contribution, † authors ordered alphabetically

Conference proceedings

(CORE conference rankings: 26x A*, 8x A, 3x B)

1. (**ATVA 2026**) *Supermartingale Certificates for Parametric MDPs*.
Kaushik Mallik, Đorđe Žikelić†.
24th International Symposium on Automated Technology for Verification and Analysis (ATVA), 2026
2. (**IJCAI 2026**) *Automated Approach for Solving Infinite-state Polynomial Reachability Games*.
Krishnendu Chatterjee, Ehsan Kafshdar Goharshady, Mehrdad Karrabi, Maximilian Seeliger, Đorđe Žikelić†.
35th International Joint Conference on Artificial Intelligence (IJCAI), 2026
3. (**CAV 2026**) *Parallel Abstract Interpretation for Polynomial Programs with Range Bound Assertions*.
S. Akshay, Supratik Chakraborty, Soroush Farokhnia, Amir Goharshady, Harshit J Motwani, Đorđe Žikelić†.
38th International Conference on Computer Aided Verification (CAV), 2026
4. (**PLDI 2026**) *SuperDP: Differential Privacy Refutation via Supermartingales*.
Krishnendu Chatterjee, Ehsan Kafshdar Goharshady, Đorđe Žikelić†.
48th ACM SIGPLAN Conference on Programming Language Design and Implementation (PLDI), 2026
5. (**ICLR 2026**) *Automating the Refinement of Reinforcement Learning Specifications*.
Tanmay Ambadkar, Đorđe Žikelić, Abhinav Verma.
14th International Conference on Learning Representations (ICLR), 2026
6. (**ATVA 2025**) *PolyQEnt: A Polynomial Quantified Entailment Solver*.
Krishnendu Chatterjee, Amir Kafshdar Goharshady, Ehsan Kafshdar Goharshady, Mehrdad Karrabi, Milad Saadat,

Maximilian Seeliger, Đorđe Žikelić[†].

23rd International Symposium on Automated Technology for Verification and Analysis (ATVA), 2025

Distinguished Tool Paper Award

7. (**CONCUR 2025**) *Omega-regular Verification and Control for Distributional Specifications in MDPs.*
S. Akshay, Ouldouz Neysari, Đorđe Žikelić[†].
36th International Conference on Concurrency Theory (CONCUR), 2025
8. (**IJCAI 2025**) *LP-Based Weighted Model Integration over Non-Linear Real Arithmetic.*
S. Akshay, Supratik Chakraborty, Soroush Farokhnia, Amir Goharshady, Harshit J Motwani, Đorđe Žikelić[†].
34th International Joint Conference on Artificial Intelligence (IJCAI), 2025
9. (**CAV 2025**) *Supermartingale Certificates for Quantitative Omega-regular Verification and Control.*
Thomas A. Henzinger, Kaushik Mallik, Pouya Sadeghi, Đorđe Žikelić[†].
37th International Conference on Computer Aided Verification (CAV), 2025
10. (**L4DC 2025**) *Predictive Monitoring of Black-Box Dynamical Systems.*
Thomas A. Henzinger, Fabian Kresse, Kaushik Mallik, Emily Yu, Đorđe Žikelić[†].
7th Annual Learning for Dynamics & Control Conference (L4DC), 2025
11. (**TACAS 2025**) *Refuting Equivalence in Probabilistic Programs with Conditioning.*
Krishnendu Chatterjee, Ehsan Kafshdar Goharshady, Petr Novotný, Đorđe Žikelić[†].
31st International Conference on Tools and Algorithms for the Construction and Analysis of Systems (TACAS), 2025
12. (**AAAI 2025**) *Neural Control and Certificate Repair via Runtime Monitoring.*
Emily Yu, Đorđe Žikelić, Thomas A. Henzinger.
Neural Control and Certificate Repair via Runtime Monitoring.
39th AAAI Conference on Artificial Intelligence (AAAI), 2025
13. (**AAAI 2025**) *Quantified Linear and Polynomial Arithmetic Satisfiability via Template-based Skolemization.*
Krishnendu Chatterjee, Ehsan Kafshdar Goharshady, Mehrdad Karrabi, Harshit J Motwani, Maximilian Seeliger, Đorđe Žikelić[†].
39th AAAI Conference on Artificial Intelligence (AAAI), 2025
14. (**FM 2024**) *Sound and Complete Witnesses for Template-based Verification of LTL Properties on Polynomial Programs.*
Krishnendu Chatterjee, Amir Kafshdar Goharshady, Ehsan Kafshdar Goharshady, Mehrdad Karrabi, Đorđe Žikelić[†].
27th International Symposium on Formal Methods (FM), 2024
Distinguished Paper Award
15. (**IJCAI 2024**) *Certified Policy Verification and Synthesis for MDPs under Distributional Reach-Avoidance Properties.*
S. Akshay, Krishnendu Chatterjee, Tobias Meggendorfer, Đorđe Žikelić[†].
33rd International Joint Conference on Artificial Intelligence (IJCAI), 2024
16. (**IJCAI 2024**) *Solving Long-run Average Reward Robust MDPs via Stochastic Games.*
Krishnendu Chatterjee, Ehsan Kafshdar Goharshady, Mehrdad Karrabi, Petr Novotný, Đorđe Žikelić[†].
33rd International Joint Conference on Artificial Intelligence (IJCAI), 2024
17. (**PLDI 2024**) *Equivalence and Similarity Refutation for Probabilistic Programs.*
Krishnendu Chatterjee, Ehsan Kafshdar Goharshady, Petr Novotný, Đorđe Žikelić[†].
46th ACM SIGPLAN Conference on Programming Language Design and Implementation (PLDI), 2024
18. (**PODC 2024**) *Fully Automated Selfish Mining Analysis in Efficient Proof Systems Blockchains.*
Krishnendu Chatterjee, Amirali Ebrahim-Zadeh, Mehrdad Karrabi, Krzysztof Pietrzak, Michelle Yeo, Đorđe Žikelić[†].
43rd ACM Symposium on Principles of Distributed Computing (PODC), 2024
19. (**OOPSLA 2024**) *Quantitative Bounds on Resource Usage of Probabilistic Programs.*
Krishnendu Chatterjee, Amir Kafshdar Goharshady, Tobias Meggendorfer, Đorđe Žikelić[†].
ACM Conference on Object-Oriented Programming, Systems, Languages, and Applications (OOPSLA), 2024
20. (**NeurIPS 2023**) *Compositional Policy Learning in Stochastic Control Systems with Formal Guarantees.*
Đorđe Žikelić*, Mathias Lechner*, Abhinav Verma, Krishnendu Chatterjee, Thomas A. Henzinger.
37th Conference on Neural Information Processing Systems (NeurIPS), 2023

21. **(ATVA 2023)** *Learning Provably Stabilizing Neural Controllers for Discrete-Time Stochastic Systems.*
Martin Ansari-pour, Krishnendu Chatterjee, Thomas A. Henzinger, Mathias Lechner, Đorđe Žikelić[†].
21st International Symposium on Automated Technology for Verification and Analysis (ATVA), 2023
22. **(ECAI 2023)** *Reachability Poorman Discrete-Bidding Games.*
Guy Avni, Tobias Meggendorfer, Suman Sadhukhan, Josef Tkadlec, Đorđe Žikelić[†].
26th European Conference on Artificial Intelligence (ECAI), 2023
23. **(CAV 2023)** *MDPs as Distribution Transformers: Affine Invariant Synthesis for Safety Objectives.*
S. Akshay, Krishnendu Chatterjee, Tobias Meggendorfer, Đorđe Žikelić[†].
35th International Conference on Computer Aided Verification (CAV), 2023
24. **(TACAS 2023, invited)** *A Learner-Verifier Framework for Neural Network Controllers and Certificates of Stochastic Systems.*
Krishnendu Chatterjee, Thomas A. Henzinger, Mathias Lechner, Đorđe Žikelić[†].
29th International Conference on Tools and Algorithms for the Construction and Analysis of Systems (TACAS), 2023
25. **(AAAI 2023)** *Learning Control Policies for Stochastic Systems with Reach-avoid Guarantees.*
Đorđe Žikelić*, Mathias Lechner*, Krishnendu Chatterjee, Thomas A. Henzinger.
37th AAAI Conference on Artificial Intelligence (AAAI), 2023
26. **(AAAI 2023)** *Quantization-aware Interval Bound Propagation for Training Certifiably Robust Quantized Neural Networks.*
Mathias Lechner, Đorđe Žikelić, Krishnendu Chatterjee, Thomas A. Henzinger, Daniela Rus.
37th AAAI Conference on Artificial Intelligence (AAAI), 2023
27. **(AAAI 2023)** *Bidding Graph Games with Partially-Observable Budgets.*
Guy Avni, Ismaël Jecker, Đorđe Žikelić[†].
37th AAAI Conference on Artificial Intelligence (AAAI), 2023
28. **(FSTTCS 2022)** *Algorithms and Hardness Results for Computing Cores of Markov Chains.*
Ali Ahmadi, Krishnendu Chatterjee, Amir Kafshdar Goharshady, Tobias Meggendorfer, Roodabeh Safavi, Đorđe Žikelić[†].
42nd IARCS Annual Conference on Foundations of Software Technology and Theoretical Computer Science (FSTTCS), 2022
29. **(CAV 2022)** *Sound and Complete Certificates for Quantitative Termination Analysis of Probabilistic Programs.*
Krishnendu Chatterjee, Amir Kafshdar Goharshady, Tobias Meggendorfer, Đorđe Žikelić[†].
34th International Conference on Computer Aided Verification (CAV), 2022
30. **(PLDI 2022)** *Differential Cost Analysis with Simultaneous Potentials and Anti-potentials.*
Đorđe Žikelić, Bor-Yuh Evan Chang, Pauline Bolignano, Franco Raimondi.
44th ACM SIGPLAN Conference on Programming Language Design and Implementation (PLDI), 2022
Featured in the Amazon Science blog
31. **(AAAI 2022)** *Stability Verification in Stochastic Control Systems via Neural Network Supermartingales.*
Mathias Lechner*, Đorđe Žikelić*, Krishnendu Chatterjee, Thomas A. Henzinger.
36th AAAI Conference on Artificial Intelligence (AAAI), 2022
32. **(NeurIPS 2021)** *Infinite Time Horizon Safety of Bayesian Neural Networks.*
Mathias Lechner*, Đorđe Žikelić*, Krishnendu Chatterjee, Thomas A. Henzinger.
35th Conference on Neural Information Processing Systems (NeurIPS), 2021
33. **(FM 2021)** *On Lexicographic Proof Rules for Probabilistic Termination.*
Krishnendu Chatterjee, Ehsan Kafshdar Goharshady, Petr Novotný, Jiří Závěručky, Đorđe Žikelić[†].
24th International Symposium on Formal Methods (FM), 2021
Invited to the Special Collection from FM 2021, dedicated to best papers
34. **(PLDI 2021)** *Proving Non-termination by Program Reversal.*
Krishnendu Chatterjee, Ehsan Kafshdar Goharshady, Petr Novotný, Đorđe Žikelić[†].
43rd ACM SIGPLAN Conference on Programming Language Design and Implementation (PLDI), 2021
35. **(AAAI 2021)** *Scalable Verification of Quantized Neural Networks.*
Thomas A. Henzinger, Mathias Lechner, Đorđe Žikelić[†].
35th AAAI Conference on Artificial Intelligence (AAAI), 2021

36. **(SODA 2021)** *Infinite-Duration All-Pay Bidding Games*.
Guy Avni, Ismaël Jecker, Đorđe Žikelić[†].
ACM-SIAM Symposium on Discrete Algorithms (SODA), 2021
37. **(MFCS 2019)** *Bidding Mechanisms in Graph Games*.
Guy Avni, Thomas A. Henzinger, Đorđe Žikelić[†].
44th International Symposium on Mathematical Foundations of Computer Science (MFCS), 2019
38. **(AAAI 2017)** *Optimizing Expectation with Guarantees in POMDPs*.
Krishnendu Chatterjee, Petr Novotný, Guillermo A. Perez, Jean-Francois Raskin, Đorđe Žikelić[†].
31st AAAI Conference on Artificial Intelligence (AAAI), 2017
39. **(POPL 2017)** *Stochastic invariants for probabilistic termination*.
Krishnendu Chatterjee, Petr Novotný, Đorđe Žikelić[†].
44th ACM SIGPLAN Symposium on Principles of Programming Languages (POPL), 2017

Journal publications

1. **(TOSEM 2026)** Jieke Shi, Junda He, Zhou Yang, Đorđe Žikelić, David Lo.
Synthesizing Efficient and Permissive Programmatic Runtime Shields for Neural Policies.
ACM Transactions on Software Engineering and Methodology (TOSEM), 2026
2. **(FAC 2023)** *On Lexicographic Proof Rules for Probabilistic Termination*.
Krishnendu Chatterjee, Ehsan Kafshdar Goharshady, Petr Novotný, Jiří Zárevúcky, Đorđe Žikelić[†].
Formal Aspects of Computing (FAC), Vol. 35, Issue 2, 2023
3. **(PRE 2022)** *Social balance on networks: Local minima and best-edge dynamics*.
Krishnendu Chatterjee, Jakub Svoboda, Đorđe Žikelić, Andreas Pavlogiannis, Josef Tkadlec.
Physical Review E (PRE), Vol. 106, No. 3, 2022
4. **(JCSS 2021)** *Bidding Mechanisms in Graph Games*.
Guy Avni, Thomas A. Henzinger, Đorđe Žikelić[†].
Journal of Computer and System Sciences (JCSS), Vol. 119, 2021
5. **(Int. J. Comput. Math. 2014)** *Theorems about quadrilaterals and conics*.
Đorđe Baralić, Branko Grbić, Đorđe Žikelić[†].
International Journal of Computer Mathematics 91 (7), 2014

Workshop publications

1. **(GenPlan@AAAI 2025)** *Certification-Guided Evaluation of Reinforcement Learning Generalization*.
Vignesh Subramanian, Đorđe Žikelić, Suguman Bansal.
AAAI 2025 Workshop on Generalization in Planning (GenPlan), 2025
2. **(SRML@ICLR 2022)** *Learning Stabilizing Policies in Stochastic Control Systems*.
Đorđe Žikelić*, Mathias Lechner*, Krishnendu Chatterjee, Thomas A. Henzinger.
ICLR 2022 Workshop on Socially Responsible Machine Learning, 2022

GRANTS

-
- | | |
|--|-------------|
| <ul style="list-style-type: none"> • <i>Relational Analysis of Probabilistic Programs and Models</i>
Ministry of Education (MOE) Tier 1, PI (Project Level)
S\$212,000
(Terminated in June 2026 due to change of institution) | 2025 - 2027 |
| <ul style="list-style-type: none"> • <i>Formal Methods for Safe and Trustworthy Probabilistic Systems</i>
Ministry of Education (MOE) Tier 1, PI (Project Level)
S\$90,244 | 2024 - 2026 |

TEACHING

Teaching at SMU

- | | |
|--|-------------|
| • CS423: Heuristic Search and Optimisation | 2024 - 2026 |
| • CS104: Mathematical Foundations of Computing | 2025 - 2026 |

Teaching at ISTA

- | | |
|--|--------------|
| • Computer Science Track Core Course, TA | Spring, 2021 |
|--|--------------|

- Formal Methods, TA Spring, 2020
- Computer Science Track Core Course, TA Spring, 2020
- Mathematics Track Core Course, 4 lectures on Brownian motion and aspects of probability Spring, 2019

SUPERVISION

PhD Students

- Sauvik Gon Aug 2026 - Present

Undergraduate Students

- Lakshya Anuj Sarin, NTU Aug 2026 - Present
- Kok Chen Ng, NTU Aug 2026 - Present
- Ahmed Saleh Alhashim, NTU Aug 2026 - Present
- Demitha Manawadu, University of Moratuwa Dec 2025 - Jun 2026
Discrete-time Neural Control with Certificates for Reach-avoid Tasks (under submission)
- Pouya Sadeghi, University of Tehran Aug 2024 - Feb 2025
Supermartingale Certificates for Quantitative Omega-regular Verification and Control (CAV 2025)
- Ouldouz Neysari, University of Tehran Jul 2024 - Jan 2025
Omega-regular Verification and Control for Distributional Specifications in MDPs (CONCUR 2025)
- Maaruni Pandithurai, SMU May 2024 - Jul 2024
- Sarah Ann Hogan, SMU May 2024 - Jul 2024

Supervision of interns at ISTA

- Amirali Ebrahim-zadeh, Sharif University Summer 2022
Analyzing Selfish Mining in Proof of Space-based Blockchain Protocols (PODC 2024)
- Matin Ansaripour, Sharif University Spring 2022
Learning Control Policies for Region Stabilization in Stochastic Systems (ATVA 2023)
- Roodabeh Safavi, Sharif University Spring 2022
Algorithms and Hardness Results for Computing Cores of Markov Chains (FSTTCS 2022)
- Ehsan Kafshdar Goharshady, Ferdowsi University of Mashhad Summer 2020
Proving Non-termination by Program Reversal (PLDI 2021)
On Lexicographic Proof Rules for Probabilistic Termination (FM 2021)

SERVICE

Organizing committee:

- (co-chair) Principles of Certification (PoC) workshop @ CAV 2027
- (co-chair) Programming Languages Mentoring Workshop (PLMW) @ PLDI 2027
- (co-chair) Programming Languages Mentoring Workshop (PLMW) @ PLDI 2026
- (co-chair) Workshop on Post-AI Formal Methods (P-AI-FM) @ AAI 2026
- (co-chair) Singapore Programming Languages Summit 2025
- Programming Languages Mentoring Workshop (PLMW) @ PLDI 2025
- Young Scientist Symposium (YSS) 2019, at ISTA
- (president) Cambridge University Serbian Society 2017-2018

Program committee:

- 2027: AAI, CAV, TACAS, OOPSLA, HSCC
- 2026: AAI, AAI-DC, TACAS, PLDI, IJCAI-ECAI, NeurIPS, ATVA, SAIV, SETTA
- 2025: AAI, CAV, IJCAI, ECAI, NeurIPS (**Top Reviewer**), VMCAI, ASE, SAIV, SETTA
- 2024: AAI, IJCAI, ECAI, ATVA, SETTA (**Distinguished Reviewer Award**)
- 2023: AAI, ECAI, CAV AEC
- 2022: CAV AEC

INVITED TALKS AND KEYNOTES

- 9th International Symposium on AI Verification (SAIV 2026), Lisbon, Portugal Jul 2026
Neural Stochastic Control and Verification for Safe Autonomy
- QuantFormal@FSTTCS workshop, Goa, India Dec 2025
Neural Stochastic Control and Verification with Supermartingale Certificates
- Institute of Science and Technology Austria, Klosterneuburg, Austria Jun 2025
MDPs as Distribution Transformers: Formal Verification and Synthesis

• East China Normal University, Shanghai, China	May 2025
<i>Neural Control with Certificates for Safe Autonomy</i>	
• CCF FM Strategic Meeting 2025, Suzhou, China	May 2025
<i>Neural Control with Certificates for Safe Autonomy</i>	
• IIT Bombay, Mumbai, India	Oct 2024
<i>Certified Policy Verification and Synthesis for MDPs under Distributional Properties</i>	
• Hong Kong University of Science and Technology, Hong Kong, China	Jul 2024
<i>Neural Controller Synthesis and Verification with Guarantees</i>	
• 20th International Summer School on Trustworthy Software, Shanghai, China	Jul 2024
<i>Trustworthy AI through Neural Certificates, Runtime Monitoring, and Multi-Agent Reasoning</i>	
Series of lectures together with Tom Henzinger	
• IIT Bombay, Mumbai, India	May 2024
<i>A Learner-verifier Framework for Certifying Neural Controllers in Stochastic Systems</i>	
• National University of Singapore, Singapore, Singapore	May 2024
<i>A Learner-verifier Framework for Certifying Neural Controllers in Stochastic Systems</i>	
• Mathematical Institute of the Serbian Academy of Science and Arts, Belgrade, Serbia	Dec 2023
<i>A Learner-verifier Framework for Learning and Certifying Neural Controllers (in Serbian)</i>	
• École Normale Supérieure, Paris, France	Jul 2023
<i>A Learner-verifier Framework for Learning and Certifying Neural Controllers in Stochastic Systems</i>	
• The Workshop on Verification of Probabilistic Programs (VeriProP), Paris, France	Jul 2023
<i>A Learner-verifier Framework for Learning and Certifying Neural Controllers in Stochastic Systems</i>	
• Nissan Research, virtual	Jun 2023
<i>A Learner-verifier Framework for Learning and Certifying Neural Controllers in Stochastic Systems</i>	
• TU Delft, Delft, Netherlands	Jun 2023
<i>Formal Verification and Learning-based Control of Infinite State Stochastic Systems</i>	
• Masaryk University, Brno, Czech Republic	Jun 2023
<i>Formal Verification and Learning-based Control of Infinite State Stochastic Systems</i>	
• ETH Zürich, Zürich, Switzerland	Apr 2023
<i>Formal Verification and Learning-based Control of Infinite State Stochastic Systems</i>	
• INSAIT, Sofia, Bulgaria	Apr 2023
<i>Formal Verification and Learning-based Control of Infinite State Stochastic Systems</i>	
• Singapore Management University, Singapore, Singapore	Feb 2023
<i>Formal Verification and Learning-based Control of Infinite State Stochastic Systems</i>	
• National University of Singapore, Singapore, Singapore	Feb 2023
<i>Formal Verification and Learning-based Control of Infinite State Stochastic Systems</i>	
• EPFL, Lausanne, Switzerland	Jul 2022
<i>Martingale-based Methods for Formal Verification and Certified Control of Stochastic Systems</i>	
• Masaryk University, Brno, Czech Republic	Apr 2022
<i>Proving Non-termination by Program Reversal</i>	
• Infer Practitioners Workshop, virtual	Jun 2021
<i>Differential Cost Analysis with Infer and Possible Extensions for Concrete Cost Analysis</i>	