

IL PRESENTE ALLEGATO COSTITUISCE UNO SCHEMA-TIPO, NEL QUALE SONO INDICATE ALCUNE VOCI A MERO TITOLO ESEMPLIFICATIVO, PERTANTO PUO' ESSERE MODIFICATO/INTEGRATO DAL CANDIDATO ADATTANDOLO ALLE PECULIARITÀ DELLA PROPRIA ATTIVITÀ SCIENTIFICO-PROFESSIONALE

ALL. B

Decreto Rettore Università di Roma "La Sapienza"

Curriculum Vitae

Luogo e data: Monaco di Baviera, 24/09/24

Part I – General Information

Omessi in modo da garantire la conformità del Curriculum Vitae a quanto prescritto dall'art. 4 del Codice in materia di protezione dei dati personali e dall'art. 26 del D. Lgs. 14 marzo 2013, n. 33, al fine della pubblicazione, e contrassegnata per la destinazione "ai fini della pubblicazione"

Part II – Education

Relevant Titolo: dottorato di ricerca o equipollenti, ovvero, per i settori interessati, diploma di specializzazione medica o equivalente, conseguito in Italia o all'estero;

Type	Year	Institution	Notes (Degree, Experience,...)
University graduation	2010	LMU Munich, Germany	MSc Mathematics, Passed with distinction.
PhD	2014	LMU Munich, Germany	Computer Science, passed "cum laude"
Pedagogic Professor Course (10 ECT)	2020	Aalborg University, Germany	Included an English C1 Test (passed)
Italian Course at IMT Lucca	2015	IMT Lucca, Italy	Included an Italian A2 Test (passed)

Part III – Appointments

Start	End	Institution	Position
10/2019	Now	Aalborg University, Denmark	Associate Professor
8/2018	9/2019	TU Wien, Austria	Lise Meitner Fellow (Austrian version of Marie-Curie Fellowship), i.e., PostDoc with personal grant.
7/2015	07/2018	IMT Lucca, Italy	Assistant Professor
10/2013	6/2015	University of Southampton, UK	Research Assistant
10/2010	09/2013	LMU Munich, Germany	PhD Student

Part IV – Teaching experience

Relevant Titoli:

eventuale attività didattica a livello universitario in Italia o all'estero;

attività didattica prestata a livello universitario congruente con l'attività didattica prevista nel bando;

Year	Institution	Course
23,24	Aalborg University, Denmark	BSc course: Modeling and Verification (35 students). Frontal teaching hours: $2 \times 7 \times 4 = 56$
21,22,23,24	Aalborg University, Denmark	BSc course: Model and Tools for Cyber-Physical Systems (100 students). Frontal teaching hours: $4 \times 4 \times 4 = 64$
20,21,22	Aalborg University, Denmark	BSc course: Syntax and Semantics (220 students). Frontal teaching hours: $2 \times 12 \times 4 = 96$
20-now	Aalborg University, Denmark	Supervision of student group projects on topics on scientific computing and semantics. Frontal teaching hours: at least $10 \times (14 + 8) = 220$
15,17	IMT Lucca, Italy	PhD Course on Advanced Topics of TCS. Frontal teaching hours: $2 \times 4 = 8$
10,11,12	LMU, Munich	Teaching assistant of seven courses. Frontal teaching hours: 140

Part V - Society memberships, Awards and Honors

Relevant Titoli:

- documentata attività di formazione o di ricerca presso qualificati istituti italiani o stranieri;
- altre attività universitarie, con particolare riguardo a quelle gestionali e relative alla partecipazione ad organi collegiali elettivi;

Year	Title
2024	Member of IFIP Working Group 1.3: Foundations of System Specification
2019	Poul Due Jensen Associate Professorship at Aalborg University, Denmark
2018	Lise Meitner Fellowship at TU Wien, Austria
2010	MSc in mathematics, passed with distinction (1.0)

Part VI - Funding Information [grants as PI-principal investigator or I-investigator]

Relevant Titoli:

- documentata attività di formazione o di ricerca presso qualificati istituti italiani o stranieri;
- realizzazione di attività progettuale relativamente ai settori concorsuali nei quali è prevista;
- organizzazione, direzione e coordinamento di gruppi di ricerca nazionali e internazionali, o partecipazione agli stessi;

Year	Title	Program	Grant value
2019-2024	PI: Danish Project	Poul Due Jensen Foundation	1.170.000 EUR
2018-2019	PI: Austrian Project	Austrian Science Fund (FWF)	116.000 EUR
2024-	co-PI: Danish Project	DeiC -Danish e-Infrastructure	Around 250.000

2027		(Quantum Call)	EUR

Part VII – Research Activities (Highlights)

Relevant Titoli:

- documentata attività di formazione o di ricerca presso qualificati istituti italiani o stranieri;
- organizzazione, direzione e coordinamento di gruppi di ricerca nazionali e internazionali, o partecipazione agli stessi;
- produzione scientifica congruente con la declaratoria del GSD/SC-SSD per il quale è stata bandita la procedura, in particolare sotto i profili della sua qualità, notorietà internazionale, continuità temporale nel periodo indicato nel Bando;

Keywords	Brief Description
Computational Modelling	Efficient quantitative analysis and verification of software systems such as quantum programs (TACAS'24), mobile networks (PEVA), software product lines (ASE), and applications in bioinformatics (PNAS, LICS'23+'21+'16, POPL) and engineering (IEEE TAC).
Model Abstraction	
Boolean Networks, Complex Networks, Neural Networks, Quantum Circuits, Performance Models	Software tool ERODE (www.erode.eu) for efficient quantitative analysis of real-world systems modeled by millions of variables and equations on a common laptop (TACAS'16+'17).
Verification and Optimization	Boosting the evaluation of neural differential equations, a class of deep neural networks (Nature Machine Intelligence).
Dynamical Systems, Markov Chains	

Part VIII – Summary of Scientific Achievements

Relevant Titoli:

- documentata attività di formazione o di ricerca presso qualificati istituti italiani o stranieri;
- organizzazione, direzione e coordinamento di gruppi di ricerca nazionali e internazionali, o partecipazione agli stessi;
- produzione scientifica congruente con la declaratoria del GSD/SC-SSD per il quale è stata bandita la procedura, in particolare sotto i profili della sua qualità, notorietà internazionale, continuità temporale nel periodo indicato nel Bando;

Bibliometrics Overview. I published over 50 peer-reviewed articles and have an h-index of 21 according to Google Scholar. I value quality over quantity, my publications appeared in top outlets of computer science (3x LICS, POPL, CONCUR), control engineering (7x IEEE TAC) or renowned interdisciplinary journals like PNAS, Scientific Reports and Nature Machine Intelligence.

Product type	Number	Data Base	Start	End
Papers [international]	55	Scopus	2012	2024
Papers [national]	0	Scopus	2012	2024

Books [scientific]	0	Scopus	2012	2024
Books [teaching]	0	Scopus	2012	2024

Total Impact factor (Scimago)	Total IF 52.54, average IF 2.50 (across 21 journal papers)
Total Citations	565 (Scopus), 1000 (Google)
Average Citations per Product	10 (Scopus), 18 (Google)
Hirsch (H) index	14 (Scopus), 21 (Google)
Normalized H index*	If academic seniority means PhD age, then $14 / 10 = 1.4$ (Scopus) and $21 / 10 = 2.1$ (Google)

*H index divided by the academic seniority.

Part IX - Academic Management and Service

Relevant Titolo: altre attività universitarie, con particolare riguardo a quelle gestionali e relative alla partecipazione ad organi collegiali elettivi;

- Member of Academic Council at Aalborg University. Tasks: Advising of the Dean concerning University's research, teaching and budget strategy.
- PC Memberships: HSB'18, VCLA Awards '20+'21, CONCUR '20, EXPRESS/SOS'22+'23', QEST '23+'24, CMSB '24
- Invited talks: Scientific Quantum Conference '24, IFIP WG1.3 Meetings, Kolchin Seminar '20, QAPL '19, numerous invited seminar talks (e.g., in Aarhus, Edinburgh, GSSI, ParisTech, Saarbrücken, Verona).
- Presentations at QEST'12, CONCUR'12, VALUETOOLS'14, ASE'15, LICS'16, POPL'16, ASMTA'16, CDC' 18, QEST' 21.
- Project review for Czech Science Foundation
- Reviewer for leading journals (e.g., Royal Society A, IEEE TAC, Inf. & Comp., TCS)
- Sub-reviewer for A and A* conferences like POPL, LICS, CONCUR, TACAS, CAV, MFCS, ICALP.

Part X Supervision

Relevant Titoli:

- documentata attività di formazione o di ricerca presso qualificati istituti italiani o stranieri;
- altre attività universitarie, con particolare riguardo a quelle gestionali e relative alla partecipazione ad organi collegiali elettivi;

• PhD Students

- 01/2022 - 12/2024 Alexander Leguizamon Robayo (main supervisor)
- 11/2019 - 10/2023 Giuseppe Squillace (co-supervision)
- 11/2016 - 03/2020 Isabel Cristina Pérez-Verona (co-supervision)
- 11/2015 - 03/2019 Stefano Tognazzi (co-supervision)

- **PostDocs**

- 08/2022 - 06/2024 Antonio Jimenez Pastor (now Assistant Prof. at TU Madrid)
- 03/2020 - 02/2024 Daniele Toller (now Assistant Prof. at Aalborg University)

Part XI – Selected Publications

Relevant Titolo:

- documentata attività di formazione o di ricerca presso qualificati istituti italiani o stranieri;

List of the publications selected for the evaluation. For each publication report title, authors, reference data, journal IF (if applicable), citations, press/media release (if any).

Citations refer to Scopus, SJR IF refers to Scimago Journal IF, GGS refers to GII-GRIN-SCIE.

[TAC24] Coarse-graining Complex Networks for Control Equivalence. Daniele Toller, Mirco Tribastone, Max Tschaikowski, Andrea Vandin:
IEEE Transactions on Automatic Control 2024
SJR IF in 23 was 4.50, no citations, Scopus classification: Computer Science Applications

[Nature22] Closed-form continuous-time neural networks. Ramin M. Hasani, Mathias Lechner, Alexander Amini, Lucas Liebenwein, Aaron Ray, Max Tschaikowski, Gerald Teschl, Daniela Rus.
Nature Machine Intelligence, 4(11). 992-1003 (2022)
SJR IF in 22 was 6.21, 29 citations
Press article: Infomedia.dk

[TAC19] Over-Approximation of Fluid Models. Max Tschaikowski
IEEE Transactions on Automatic Control 65(3): 999-1013 (2019)
Single author, SJR IF in 19 was 3.91, 3 citations, Scopus classification: Computer Science Applications

[LICS23] Minimization of Dynamical Systems over Monoids. Georgios Argyris, Alberto Lluch-Lafuente, Alexander Leguizamon-Robayo, Mirco Tribastone, Max Tschaikowski, Andrea Vandin.
LICS 2023, 1-14 (Symposium on Logic in Computer Science)
GGS rank A*, no citations

[LICS21] Efficient Local Computation of Differential Bisimulations via Coupling and Up-to Methods. Giorgio Bacci, Giovanni Bacci, Kim G. Larsen, Mirco Tribastone, Max Tschaikowski, Andrea Vandin.
LICS 2021, 1-14 (Symposium on Logic in Computer Science)
GGS rank A*, 4 citations

[TACAS24] Forward and Backward Constrained Bisimulations for Quantum Circuits. Antonio Jiménez-Pastor, Kim G. Larsen, Mirco Tribastone, Max Tschaikowski.

TACAS 2024, 343-362 (Tools and Algorithms for the Construction and Analysis of Systems)
GGS rank A, no citations

[TAC23] Algorithmic Minimization of Uncertain Continuous-Time Markov Chains. Luca Cardelli, Radu Grosu, Kim Guldstrand Larsen, Mirco Tribastone, Max Tschaikowski, Andrea Vandin: IEEE Transactions on Automatic Control 68(11): 6557-6572 (2023)
SJR IF in 23 is 4.50, 1 citation, Scopus classification: Computer Science Applications

[TAC22] PID Control of Biochemical Reaction Networks. Max Whitby, Luca Cardelli, Marta Kwiatkowska, Luca Laurenti, Mirco Tribastone, Max Tschaikowski: IEEE Transactions on Automatic Control 67(2): 1023-1030 (2022)
SJR IF in 22 was 4.17, 32 citations, Scopus classification: Computer Science Applications

[Bioinformatics21] Exact maximal reduction of stochastic reaction networks by species lumping. Luca Cardelli, Isabel Cristina Pérez-Verona, Mirco Tribastone, Max Tschaikowski, Andrea Vandin, Tabea Waizmann: Bioinformatics 37(15): 2175-2182 (2021)
SJR IF in 21 was 3.40, 11 citations

[TCS2019a] Symbolic computation of differential equivalences. Luca Cardelli, Mirco Tribastone, Max Tschaikowski, Andrea Vandin Theor. Comput. Sci. 777: 132-154 (2019)
SJR JF in 19 was 0.57, 14 citations

[TCS2019b] Comparing chemical reaction networks: A categorical and algorithmic perspective. Luca Cardelli, Mirco Tribastone, Max Tschaikowski, Andrea Vandin: Theor. Comput. Sci. 765: 47-66 (2019)
SJR IF in 19 was 0.57, 4 citations

[QEST22] An Algorithm for the Formal Reduction of Differential Equations as Over-Approximations. Giuseppe Squillace, Mirco Tribastone, Max Tschaikowski, Andrea Vandin: QEST 2022: 173-191 (Conference on Quantitative Evaluation of Systems)
GGS rank B-, 1 citation

Part XII – All Publications

Relevant Titoli:

- documentata attività di formazione o di ricerca presso qualificati istituti italiani o stranieri;
- produzione scientifica congruente con la declaratoria del GSD/SC-SSD per il quale è stata bandita la procedura, in particolare sotto i profili della sua qualità, notorietà internazionale, continuità temporale nel periodo indicato nel Bando;

See next pages.

Luogo e data: Monaco di Baviera, 24/09/24

Publications

■ Used rankings:

- **GII-GRIN-SCIE (GGS) Conference Rating** <https://scie.lcc.uma.es/ratingSearch.jsf>.
- **Scimago IF**: <https://www.scimagojr.com/>.
- Scopus classification of IEEE Transaction of Automatic Control: Computer Science Applications

Peer-Reviewed Journal Publications

- **SJR IF in 23: 4.50** D. Toller, M. Tribastone, **M. Tschaikowski**, and A. Vandin. Coarse-graining complex networks for control equivalence. *IEEE Transactions on Automatic Control*, 2024
- **SJR IF in 23: 4.50** A. Jimenez-Pastor, D. Toller, M. Tribastone, **M. Tschaikowski**, and A. Vandin. Proper lumping for positive bilinear control systems. *IEEE Transactions on Automatic Control*, 2024
- **SJR IF in 23: 1.01**. G. Argyris, A. Lluch-Lafuente, M. Tribastone, **M. Tschaikowski**, and A. Vandin. Reducing boolean networks with backward equivalence. *BMC Bioinformatics*, 24:1471–2105, 2023
- **SJR IF in 23: 4.50** L. Cardelli, R. Grosu, K. G. Larsen, M. Tribastone, **M. Tschaikowski**, and A. Vandin. Algorithmic minimization of uncertain continuous-time Markov chains. *IEEE Transactions on Automatic Control*, pages 1–16, 2023
- **SJR IF in 23: 0.58**. L. Cardelli, G. Squillace, M. Tribastone, **M. Tschaikowski**, and A. Vandin. Formal lumping of polynomial differential equations through approximate equivalences. *Journal of Logical and Algebraic Methods in Programming*, 134, 2023
- **SJR IF in 21: 4.17**. S. Tognazzi, M. Tribastone, **M. Tschaikowski**, and A. Vandin. Differential equivalence for linear differential algebraic equations. *IEEE Transactions on Automatic Control*, 67(7):3484–3493, 2022
- **Nature, SJR IF in 22: 6.12**. R. Hasani, M. Lechner, A. Amini, L. Liebenwein, A. Ray, **M. Tschaikowski**, G. Teschl, and D. Rus. Closed-form continuous-time neural networks. *Nature Machine Intelligence*, 4:992–1003, 2022
- **SJR IF in 21: 4.17**. M. Whitby, L. Cardelli, M. Kwiatkowska, L. Laurenti, M. Tribastone, and **M. Tschaikowski**. PID control of biochemical reaction networks. *IEEE Transactions on Automatic Control*, 67(2):1023–1030, 2022
- **SJR IF in 21: 3.40**. L. Cardelli, I. C. Pérez-Verona, M. Tribastone, **M. Tschaikowski**, A. Vandin, and T. Waizmann. Exact maximal reduction of stochastic reaction networks by species lumping. *Bioinform.*, 37(15):2175–2182, 2021
- **SJR IF in 19: 3.91, single-author. M. Tschaikowski**. Over-approximation of fluid models. *IEEE Transactions on Automatic Control*, 65(3):999–1013, 2020
- **SJR IF in 19: 0.42**. L. Cardelli, M. Tribastone, and **M. Tschaikowski**. From electric circuits to chemical networks. *Natural Computing*, 2019. <https://doi.org/10.1007/s11047-019-09761-7>
- **SJR IF in 19: 0.57**. L. Cardelli, M. Tribastone, **M. Tschaikowski**, and A. Vandin. Symbolic computation of differential equivalences. *Theoretical Computer Science*, 777:132 – 154, 2019
- **SJR IF in 19: 0.57**. L. Cardelli, M. Tribastone, **M. Tschaikowski**, and A. Vandin. Comparing chemical reaction networks: A categorical and algorithmic perspective. *Theoretical Computer Science*, 765:47 – 66, 2019
- **PNAS, SJR IF in 17: 6.09**. L. Cardelli, M. Tribastone, **M. Tschaikowski**, and A. Vandin. Maximal aggregation of polynomial dynamical systems. *Proceedings of the National Academy of Sciences*, 114(38):10029 – 10034, 2017
- **SJR IF in 17: 0.46**. **M. Tschaikowski** and M. Tribastone. Spatial fluid limits for stochastic mobile networks. *Journal on Performance Evaluation*, 109:52–76, 2017
- **SJR IF in 17: 1.03**. **M. Tschaikowski** and M. Tribastone. A computational approach to steady-state convergence of fluid limit for coxian queuing networks with abandonment. *Annals of Operations Research*, 252(1):101–120, 2017
- **Scientific Reports, SJR IF in 12: 1.53**. L. Cardelli, A. Csikász-Nagy, N. Dalchau, M. Tribastone, and **M. Tschaikowski**. Noise reduction in complex biological switches. *Scientific reports*, 6:20214–20226, 2016
- **SJR IF in 16: 3.43**. **M. Tschaikowski** and M. Tribastone. Approximate Reduction of Heterogenous Nonlinear

Models With Differential Hulls. *IEEE Transactions on Automatic Control*, 61(4):1099–1104, 2016

- **SJR IF in 15 was 0.24. M. Tschaikowski** and M. Tribastone. A unified framework for differential aggregations in markovian process algebra. *The Journal of Logical and Algebraic Methods in Programming*, 84(2):238–258, 2015
- **SJR IF in 14 was 0.67. M. Tschaikowski** and M. Tribastone. Tackling continuous state-space explosion in a Markovian process algebra. *Theoretical Computer Science*, 517:1–33, 2014
- **SJR IF in 14 was 0.67. M. Tschaikowski** and M. Tribastone. Exact fluid lumpability in markovian process algebra. *Theoretical Computer Science*, 538:140–166, 2014

Peer-Reviewed Conference Publications

- **GGs B-**. G. Bacci, G. Bacci, K. G. Larsen, G. Squillace, M. Tribastone, **M. Tschaikowski**, and A. Vandin. Dissimilarity for linear dynamical systems. In *Quantitative Evaluation of Systems QEST*, pages 125–142, 2024
- **GGs A**. A. Jiménez-Pastor, K. G. Larsen, M. Tribastone, and **M. Tschaikowski**. Forward and backward constrained bisimulations for quantum circuits. In *Tools and Algorithms for the Construction and Analysis of Systems, TACAS*, 2024. To appear
- **GGs A★**. G. Argyris, A. Lluch-Lafuente, A. Leguizamón-Robayo, M. Tribastone, **M. Tschaikowski**, and A. Vandin. Minimization of dynamical systems over monoids. In *Symposium on Logic in Computer Science, LICS*, pages 1–14, 2023
- **GGs C**. A. Leguizamón-Robayo, A. Jimenez-Pastor, M. Tribastone, **M. Tschaikowski**, and A. Vandin. Approximate constrained lumping of polynomial differential equations. In *Computational Methods in Systems Biology CMSB*, 2023
- **GGs B-**. G. Squillace, M. Tribastone, **M. Tschaikowski**, and A. Vandin. An algorithm for the formal reduction of differential equations as over-approximations. In *Quantitative Evaluation of Systems QEST*, volume 13479, pages 173–191, 2022
- **GGs C**. G. Argyris, A. Lluch-Lafuente, M. Tribastone, **M. Tschaikowski**, and A. Vandin. An extension of ERODE to reduce boolean networks by backward boolean equivalence. In *Computational Methods in Systems Biology CMSB*, volume 13447, pages 294–301, 2022
- **GGs C**. A. Leguizamón-Robayo and **M. Tschaikowski**. Efficient estimation of agent networks. In *Leveraging Applications of Formal Methods, Verification and Validation. Adaptation and Learning ISoLA*, volume 13703, pages 199–214, 2022
- **GGs A★**. G. Bacci, G. Bacci, K. G. Larsen, M. Tribastone, **M. Tschaikowski**, and A. Vandin. Efficient local computation of differential bisimulations via coupling and up-to methods. In *Symposium on Logic in Computer Science, LICS*, pages 1–14, 2021
- **GGs C**. G. Argyris, A. Lluch-Lafuente, M. Tribastone, **M. Tschaikowski**, and A. Vandin. Reducing boolean networks with backward boolean equivalence. In *Computational Methods in Systems Biology, CMSB*, pages 1–18, 2021
- **GGs B-**. L. Cardelli, R. Grosu, K. G. Larsen, M. Tribastone, **M. Tschaikowski**, and A. Vandin. Lumpability for uncertain continuous-time markov chains. In *Quantitative Evaluation of Systems, QEST*, pages 391–409, 2021
- **GGs A**. M. Whitby, L. Cardelli, M. Kwiatkowska, L. Laurenti, M. Tribastone, and **M. Tschaikowski**. PID control of biochemical reaction networks. In *Conference on Decision and Control, CDC*, pages 8372–8379, 2019
- **GGs B-**. J. Doncel, N. Gast, M. Tribastone, **M. Tschaikowski**, and A. Vandin. UTOPIc: Under-Approximation Through Optimal Control. In *Conference on Quantitative Evaluation of Systems, QEST*, 2019
- **GGs A**. S. Tognazzi, M. Tribastone, **M. Tschaikowski**, and A. Vandin. Backward Invariance for Linear Differential Algebraic Equations. In *Conference on Decision and Control, CDC*, pages 3771–3776, 2018
- **GGs B-**. L. Cardelli, M. Tribastone, **M. Tschaikowski**, and A. Vandin. Guaranteed Error Bounds on Approximate Model Abstractions Through Reachability Analysis. In *Conference on Quantitative Evaluation of Systems, QEST*, pages 104–121, 2018
- **GGs C**. S. Tognazzi, M. Tribastone, **M. Tschaikowski**, and A. Vandin. Differential equivalence yields network

centrality. In T. Margaria and B. Steffen, editors, *Leveraging Applications of Formal Methods, Verification and Validation. Distributed Systems - International Symposium, ISoLA*, pages 186–201, 2018

- **GGs A.** L. Cardelli, M. Tribastone, **M. Tschaikowski**, and A. Vandin. ERODE: A tool for the evaluation and reduction of ordinary differential equations. In *Tools and Algorithms for the Construction and Analysis of Systems, TACAS*, pages 310–328, 2017. <https://www.erode.eu>
- **GGs A.** S. Tognazzi, M. Tribastone, **M. Tschaikowski**, and A. Vandin. EGAC: a genetic algorithm to compare chemical reaction networks. In *Genetic and Evolutionary Computation Conference, GECCO*, pages 833–840, 2017
- **GGs A★.** L. Cardelli, M. Tribastone, **M. Tschaikowski**, and A. Vandin. Symbolic computation of differential equivalences. In *Symposium on Principles of Programming Languages, POPL*, pages 137–150, 2016
- **GGs A★.** L. Cardelli, M. Tribastone, **M. Tschaikowski**, and A. Vandin. Comparing chemical reaction networks: A categorical and algorithmic perspective. In *Symposium on Logic in Computer Science, LICS*, pages 485–494, 2016
- **GGs -.** L. Bortolussi and **M. Tschaikowski**. Fluid analysis of spatio-temporal properties of agents in a population model. In *International Conference on Analytical and Stochastic Modelling Techniques and Applications, ASMTA*, pages 92–106, 2016
- **GGs A.** L. Cardelli, M. Tribastone, **M. Tschaikowski**, and A. Vandin. Efficient syntax-driven lumping of differential equations. In *Tools and Algorithms for the Construction and Analysis of Systems, TACAS*, pages 93–111, 2016
- **GGs A.** M. Kowal, **M. Tschaikowski**, M. Tribastone, and I. Schaefer. Scaling Size and Parameter Spaces in Variability-Aware Software Performance Models. In *Conference on Automated Software Engineering, ASE*, pages 407–417, 2015
- **GGs A.** L. Cardelli, M. Tribastone, **M. Tschaikowski**, and A. Vandin. Forward and backward bisimulations for chemical reaction networks. In *International Conference on Concurrency Theory, CONCUR*, pages 226–239, 2015
- **GGs C. M. Tschaikowski** and M. Tribastone. A partial-differential approximation for spatial stochastic process algebra. In *International Conference on Performance Evaluation Methodologies and Tools, VALUETOOLS*, 2014
- **GGs C. M. Tschaikowski** and M. Tribastone. Insensitivity to service-time distributions for fluid queueing models. In *International Conference on Performance Evaluation Methodologies and Tools, VALUETOOLS*, 2013
- **GGs A. M. Tschaikowski** and M. Tribastone. Exact Fluid Lumpability for Markovian Process Algebra. In *International Conference on Concurrency Theory, CONCUR*, pages 380–394, 2012
- **GGs B-.** **M. Tschaikowski** and M. Tribastone. Generalised communication for interacting agents. In *International Conference on Quantitative Evaluation of Systems, QEST*, pages 178–188, 2012