Cinzia Di Giusto

Curriculum Vitae

Laboratoire I3S
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Education

2024   **HDR, Computer Science**, *Université Côte d'Azur (France)*, Taking a Walk on the Expressiveness Road.

2005–2009:   **PhD, Computer Science**, *Università degli Studi di Bologna (Italy)*, Expressiveness of Concurrent Languages.

1998 – 2004   **Master degree, Computer Science**, *Università degli Studi di Udine (Italy)*.
Final grade: 110/110 cum laude

Research Experience

01/09/2014 – present   **Associate professor**, *Université Côte d'Azur, laboratoire I3S, Sophia Antipolis, France*, Ongoing research on communicating automata, session types and design and verification of concurrent and distributed systems.

01/01/2013 – 31/08/2014   **Post doctoral position**, *Université d'Evry, laboratoire IBISC, Evry, France*, Research on the verification of concurrent models for the design of biosystems.

19/03/2012 – 31/12/2012   **Post doctoral position**, *CEA, List, Saclay, France*, Research on concurrent languages for modeling reversible systems by means of category theory.

01/01/2010 – 31/12/2011   **Post doctoral position**, *INRIA Rhône-Alpes, Grenoble, France*, Research on concurrent languages for modelling components.

20/12/2007 – 20/12/2009   **Research fellow with a temporary position**, *Università degli Studi di Bologna, Dipartimento di Scienze dell'informazione and Inria Sophia Antipolis, Bologna Italy*, Research on concurrent languages with respect to analysis of expressiveness.

01/06/2004 – 31/05/2005   **C++ programmer for the EGEE project (Enabling Grids for E-Science)** , *INFN-CNAF - Bologna, Italy*, C++ programming of a middleware for GRID infrastructures.

Awards

2025 – 2028   **Recipient of the individual RIPEC C3 bonus.**

Activity as advisor

PhD students

01/11/2025 – present   **Advisor of the PhD student Gabriele GENOVESE**, *Failure handling of robust distributed systems* .

15/02/2020 – present   **Co-advisor of the PhD student Sabah KABBOU**, *Architecture logicielle sûre de fonctionnement et temps réel pour les systèmes embarqués multi-critiques et adaptatifs dans l'automobile*.

01/10/2020 – 19/12/2024   **Co-advisor of the PhD student Loïc GERMERIE-GUIZOUARN**, *Model-checking of communicating machines*.

01/10/2019 – 14/12/2021   **Co-advisor of the PhD student Laetitia LAVERSA**, *La synchronisabilité pour les systèmes distribués*.

Master and Bachelor students

01/03/2025 – 31/08/2025	**Director of the M2 stage of Nicole KETTLER**, *Mechanization of Synchronizability Theory for Communicating Automata with Mailbox Semantics.*
01/03/2025 – 31/07/2025	**Director of the M2 stage of Gabriele GENOVESE**, *On the Implementability of Global Types.*
24/03/2025 – 31/08/2025	**Co-director of the M1 stage of Isabelle COGET**, *Automated Consistency Verification for Replicated Data Systems.*
01/03/2022 – 31/08/2022	**Co-director of the M2 stage of Davide FERRE'**, *Tree-width decomposition techniques for MSC analyses.*
01/06/2022 – 31/08/2021	**Co-director of the M1 stage of Davide FISSORE**, *Vers l'apprentissage de validateurs XML.*
01/02/2021 – 31/05/2021	**Co-director of the M1 stage of Davide FISSORE**, *Comparison of L* and NL* algorithm.*
01/10/2020 – 20/02/2021	**Co-director of the M2 stage of Camille BONNIN**, *Typing the higher-order polyadic μ-calculus.*
22/06/2020 – 31/08/2020	**Co-director of the M1 stage of Thomas PORTET**, *Systèmes de preuves pour le mu-calcul.*
01/03/2020 – 31/08/2020	**Co-director of the M2 stage of Loïc GERMERIE-GUIZOUARN**, *Tools and verification of bounded asynchronous communicating automata.*
01/03/2020 – 31/05/2020	**Co-director of the M1 stage of Thomas PORTET**, *Implémentation des algorithmes pour décider si un automate communicant est k-synchronisable.*
01/10/2019 – 20/02/2020	**Co-director of the M2 stage of Loïc GERMERIE-GUIZOUARN**, *Model Checking sur automates communicants k-bornés et k-synchronisables.*
01/03/2018 – 31/08/2018	**Co-director of the M2 stage of Laetitia LAVERSA**, *On the decidability of synchronizability for mailbox communicating automata.*
17/07/2017 – 31/08/2017	**Co-director of the M1 stage of Laetitia LAVERSA**, *Apprentissage des paramètres pour réseaux de neurones modélisés en automates temporisés.*
27/06/2016 – 29/07/2016	**Co-director of the L3 stage of Benoît BAILLIF**, *Filtrage de flux par réseau génétique : application à la sécrétion biphasique de l'insuline.*
15/06/2016 – 15/12/2016	**Co-director of the M2 stage of Giovanni CIATTO**, *Third generation neural networks: formalization as timed automata, validation and learning.*
20/05/2015 – 31/07/2015	**Director of the L3 stage of Arthur FINKELSTEIN**, *Implémentation de un parser du langage ANDy vers réseaux de Petri et outil SNOOPY.*
28/04/2014 – 31/07/2014	**Co-director of the L3 stage of Eloise BILLA**, *Réalisation d'un compilateur pour ANDy en réseaux d'automates temporisés.*
15/02/2014 – 30/06/2014	**Co-director of the M2 stage of Bernard JESOP**, *Towards the analysis of toxicity in synthetic functionalities.*

PhD/HDR committes

2025	**Member of the committee of Sourabh Pal. PhD Thesis defended at Università di Bologna**.
2025	**Member of the committee of Jean Krivine. HDR Thesis defended at Université Paris Cité**.
2025	**Member of the committee of Pietro LAMI. PhD Thesis defended at Université de Grenoble Alpes**.

2016 **Member of the committee of Aurélien DEHARBE. Thesis defended at Université Pierre et Marie Curie**.

2014 **Member of the committee of Viet VAN PHAM. Thesis defended at Université d'Evry**.

Scientific committes

2025–present **Member of the Steering committe of COORDINATION**, *https://www.discotec.org/2026/coordination*.

2025–present **Member of the Steering committe of EXPRESS**, *https://expresssos.github.io/*.

2023, 2024, 2025 **Member of the program commitee of the "Prix de thèse Gilles Khan de la SIF"**, *https://www.socinfo.fr/recherche/prix-de-these-gilles-kahn/*.

2025 **Co-chair of COORDINATION**, *https://www.discotec.org/2025/coordination*.

2025 **Member of the program committee of PPDP**, *https://ppdp25.github.io/site/*.

2024, 2025 **Member of the program committee of SAC**, *https://www.sigapp.org/sac/sac2026/tracks.php*.

2024, 2025 **Co-Chair of EXPRESS**, *https://expresssos.github.io/*.

2024 **Member of the program committee of FORTE**, *https://www.discotec.org/forte/*.

2024 **Member of the program committee of CONCUR**, *https://confest2024.github.io/index.html*.

2023, 2024, 2026 **Member of the program committee of COORDINATION**, *https://www.discotec.org/2024/coordination*.

2018, 2023 **Member of the program committee of EXPRESS**, *https://expresssos.github.io/*.

2022, 2023, 2024, 2025 **Co-Chair of ICE**, *https://ice-workshop.github.io/*.

2012, 2021 **Member of the program committee of ICE**, *https://ice-workshop.github.io/*.

2021 **Member of the program committee of VEST**, *https://sites.google.com/view/vest21/home*.

2020 **Member of the program committee of DIP**.

2020, 2024, 2026 **Member of the program committee of PLACES**, *https://places-workshop.github.io/*.

2016 **Member of the organising committee of École thématique de Modélisation Formelle de Réseaux de Régulation Biologique**.

2015 **Member of the program committee of YR-CONCUR**.

2009 **Member of the organising committee of CONCUR 2009**.

Projects

2026–2030 **MSCA-European Doctoral Network E-CORE**, *Funding for PhDs and training*, Partner, https://site.unibo.it/e-core/en.

2025-2027 **ZENIT Grant- Building a Bridge between Automata and Types for Concurrency**, *Financed mobility bewteen Germany and Nice*, Partner, https://www.uni-konstanz.de/alumni/projektfoerderung-und-preise/projektarchiv/alumni-gefoerdertes-projekt/we-welcome-zenit-research-fellow-emanuele-dosualdo-to-the-zukunftskolleg/.

2019 **CNRS PEPS Project**, *Financed mobility between France, Portugal and Germany*, Principal Investigator, https://webusers.i3s.unice.fr/~cdigiusto/web/projects/peps/.

2016–2018 **CNRS Pics Project Success**, *Financed mobility between France and the Netherlands*, Principal Investigator, https://webusers.i3s.unice.fr/~cdigiusto/pics/.

Responsibilities

2024	**Member of the "comité convention citoyenne pour le climat" (`https://webcms.i3s.unice.fr/co2/node/20`)**.
2022 – Present	**Member of the equity working group of the laboratory I3S**.
2021 – Present	**Member of the seminar selection committee for Forum Numerica**, *https://ds4h.univ-cotedazur.fr/recherche/seminaires-forum-numerica*.
2021 – Present	**Pedagogic coordinator of the Master in Computer Science (M1)**.
2020 – 2021	**Adjoint coordinator, Licence Informatique et Double Licence Mathématique – Informatique, Université Côte d'Azur**.
2018 – 2019	**Member of the Conseil de gestion of the Science faculty, Université de Nice Sophia Antipolis**.
2017 – 2022	**Member of the Conseil de direction of the I3S laboratory**.
2017 – 2022	**Adjoint team leader of the MDSC team of the I3S laboratory**.
2016 – 2021	**Seminar organiser of the MDSC team of the I3S laboratory**.

Teaching

2024 – present	**Base de l'informatique 2**, *BSc 1st year – Computer Science*, Lecture + Tutorials 200 students; 18h CM; 20h TD × (4–6 groups).
2024 – present	**Programmation Fonctionnelle**, *BSc 2nd year – Computer Science*, Lecture + Tutorials 150 students; 24h CM; 24h TD.
2024 – present	**Concurrent Programming**, *MSc 1st year – Computer Science*, Lecture + Tutorials 15 students; 12h CM.
2024 – present	**Software Verification**, *MSc 2nd year – Computer Science*, Lecture + Tutorials 10 students; 24h CM.
2019 – present	**Models for Concurrency (formerly Communication and Concurrency)**, *MSc 1st year – Computer Science*, Lecture + Tutorials 5 students; 24h CM.
2014–2023	**Bases de l'informatique (formerly Informatique Generale)**, *BSc 1st year – Computer Science*, Lecture + Tutorials 200 students; 18h CM; 18h TD × (4–6 groups).
2014–2024	**Compilation**, *BSc 3rd year – Computer Science*, Tutorials for 20–60 students; 36h per group (1 or 2 groups).
2020–2023	**Parallelism**, *MSc 1st year – Computer Science*, Lecture + Tutorials 15 students; 12h CM.
2020–2022	**Types**, *MSc 2nd year – Computer Science*, Lecture + Tutorials 5 students; 24h CM.

Publications

In Conference Proceedings

2025	Gabriele Genovese, Ivan Lanese, Cinzia Di Giusto, Emilio Tuosto, and Germán Vidal. Choreographies for program understanding. In Carla Ferreira and Claudio Antares Mezzina, editors, *Formal Techniques for Distributed Objects, Components, and Systems - 45th IFIP WG 6.1 International Conference, FORTE 2025, Held as Part of the 20th International Federated Conference on Distributed Computing Techniques, DisCoTec 2025, Lille, France, June 16-20, 2025, Proceedings*, volume 15732 of *Lecture Notes in Computer Science*, pages 173–181. Springer, 2025.

2025   Cinzia Di Giusto, Étienne Lozes, and Pascal Urso. Realisability and complementability of multiparty session types. In Malgorzata Biernacka, Carlos Olarte, Francesco Ricca, and James Cheney, editors, *Proceedings of the 27th International Symposium on Principles and Practice of Declarative Programming, PPDP 2025, Rende, Italy, September 10-11, 2025*, pages 11:1–11:12. ACM, 2025.

2024   Cinzia Di Giusto, Laetitia Laversa, and Kirstin Peters. Synchronisability in mailbox communication. In Georgiana Caltais and Cinzia Di Giusto, editors, *Proceedings Combined 31st International Workshop on Expressiveness in Concurrency and 21st Workshop on Structural Operational Semantics, EXPRESS/SOS 2024, and 21st Workshop on Structural Operational SemanticsCalgary, Canada, 9th September 2024*, volume 412 of *EPTCS*, pages 19–34, 2024.

2023   Cinzia Di Giusto, Davide Ferré, Étienne Lozes, and Nicolas Nisse. Weakly synchronous systems with three machines are turing powerful. In Olivier Bournez, Enrico Formenti, and Igor Potapov, editors, *Reachability Problems - 17th International Conference, RP 2023, Nice, France, October 11-13, 2023, Proceedings*, volume 14235 of *Lecture Notes in Computer Science*, pages 28–41. Springer, 2023.

2023   Clément Bertrand, Cinzia Di Giusto, Hanna Klaudel, and Damien Regnault. Complexity of membership and non-emptiness problems in unbounded memory automata. In Guillermo A. Pérez and Jean-François Raskin, editors, *34th International Conference on Concurrency Theory, CONCUR 2023, Antwerp, Belgium, September 18-23, 2023*, volume 279 of *LIPIcs*, pages 33:1–33:17. Schloss Dagstuhl - Leibniz-Zentrum für Informatik, 2023.

2021   Cinzia Di Giusto, Laetitia Laversa, and Étienne Lozes. Guessing the buffer bound for k-synchronizability. In Sebastian Maneth, editor, *Implementation and Application of Automata - 25th International Conference, CIAA 2021, Virtual Event, July 19-22, 2021, Proceedings*, volume 12803 of *Lecture Notes in Computer Science*, pages 102–114. Springer, 2021.

2021   Cinzia Di Giusto, Loïc Germerie Guizouarn, and Étienne Lozes. Towards generalised half-duplex systems. In Julien Lange, Anastasia Mavridou, Larisa Safina, and Alceste Scalas, editors, *Proceedings 14th Interaction and Concurrency Experience, ICE 2021, Online, 18th June 2021*, volume 347 of *EPTCS*, pages 22–37, 2021.

2021   Benedikt Bollig, Cinzia Di Giusto, Alain Finkel, Laetitia Laversa, Étienne Lozes, and Amrita Suresh. A unifying framework for deciding synchronizability. In Serge Haddad and Daniele Varacca, editors, *32nd International Conference on Concurrency Theory, CONCUR 2021, Virtual Conference, August 24-27, 2021*, volume 203 of *LIPIcs*, pages 14:1–14:18. Schloss Dagstuhl - Leibniz-Zentrum für Informatik, 2021.

2020   Cinzia Di Giusto, Laetitia Laversa, and Étienne Lozes. On the k-synchronizability of systems. In Jean Goubault-Larrecq and Barbara König, editors, *Foundations of Software Science and Computation Structures - 23rd International Conference, FOSSACS 2020, Held as Part of the European Joint Conferences on Theory and Practice of Software, ETAPS 2020, Dublin, Ireland, April 25-30, 2020, Proceedings*, volume 12077 of *Lecture Notes in Computer Science*, pages 157–176. Springer, 2020.

2019   Cinzia Di Giusto, Cédric Gaucherel, Hanna Klaudel, and Franck Pommereau. Pattern matching in discrete models for ecosystem ecology. In Elisabetta De Maria, Ana L. N. Fred, and Hugo Gamboa, editors, *Proceedings of the 12th International Joint Conference on Biomedical Engineering Systems and Technologies (BIOSTEC 2019) - Volume 3: BIOINFORMATICS, Prague, Czech Republic, February 22-24, 2019*, pages 101–111. SciTePress, 2019.

2019   Cinzia Di Giusto, Cédric Gaucherel, Hanna Klaudel, and Franck Pommereau. Analysis of discrete models for ecosystem ecology. In Ana Cecília Roque, Arkadiusz Tomczyk, Elisabetta De Maria, Felix Putze, Roman Moucek, Ana Fred, and Hugo Gamboa, editors, *Biomedical Engineering Systems and Technologies - 12th International Joint Conference, BIOSTEC 2019, Prague, Czech Republic, February 22-24, 2019, Revised Selected Papers*, volume 1211 of *Communications in Computer and Information Science*, pages 242–264. Springer, 2019.

2018   Elisabetta De Maria and Cinzia Di Giusto. Parameter learning for spiking neural networks modelled as timed automata. In Paul Anderson, Hugo Gamboa, Ana L. N. Fred, and Sergi Bermúdez i Badia, editors, *Proceedings of the 11th International Joint Conference on Biomedical Engineering Systems and Technologies (BIOSTEC 2018) - Volume 3: BIOINFORMATICS, Funchal, Madeira, Portugal, January 19-21, 2018*, pages 17–28. SciTePress, 2018.

2018   Elisabetta De Maria and Cinzia Di Giusto. Inferring the synaptical weights of leaky integrate and fire asynchronous neural networks: Modelled as timed automata. In Alberto Cliquet Junior, Sheldon Wiebe, Paul E. Anderson, Giovanni Saggio, Reyer Zwiggelaar, Hugo Gamboa, Ana L. N. Fred, and Sergi Bermúdez i Badia, editors, *Biomedical Engineering Systems and Technologies - 11th International Joint Conference, BIOSTEC 2018, Funchal, Madeira, Portugal, January 19-21, 2018, Revised Selected Papers*, volume 1024 of *Communications in Computer and Information Science*, pages 149–166. Springer, 2018.

2017   Elisabetta De Maria, Cinzia Di Giusto, and Giovanni Ciatto. Formal validation of neural networks as timed automata. In *Proceedings of the 8th International Conference on Computational Systems-Biology and Bioinformatics, Nha Trang City, Viet Nam, December 7-8, 2017*, pages 15–22. ACM, 2017.

2015   Cinzia Di Giusto and Jorge A. Pérez. An event-based approach to runtime adaptation in communication-centric systems. In Thomas T. Hildebrandt, António Ravara, Jan Martijn E. M. van der Werf, and Matthias Weidlich, editors, *Web Services, Formal Methods, and Behavioral Types - 11th International Workshop, WS-FM 2014, Eindhoven, The Netherlands, September 11-12, 2014, and 12th International Workshop, WS-FM/BEAT 2015, Madrid, Spain, September 4-5, 2015, Revised Selected Papers*, volume 9421 of *Lecture Notes in Computer Science*, pages 67–85. Springer, 2015.

2014   Cinzia Di Giusto, Hanna Klaudel, and Franck Delaplace. Systemic approach for toxicity analysis. In Monika Heiner, editor, *Proceedings of the 5th International Workshop on Biological Processes & Petri Nets co-located with 35th International Conference on Application and Theory of Petri Nets and Concurreny (PETRI NETS 2014), Tunis, Tunisia, June 23, 2014*, volume 1159 of *CEUR Workshop Proceedings*, pages 30–44. CEUR-WS.org, 2014.

2013   Samuel Mimram and Cinzia Di Giusto. A categorical theory of patches. In Dexter Kozen and Michael W. Mislove, editors, *Proceedings of the Twenty-ninth Conference on the Mathematical Foundations of Programming Semantics, MFPS 2013, New Orleans, LA, USA, June 23-25, 2013*, volume 298 of *Electronic Notes in Theoretical Computer Science*, pages 283–307. Elsevier, 2013.

2013   Cinzia Di Giusto and Jorge A. Pérez. Session types with runtime adaptation: Overview and examples. In Nobuko Yoshida and Wim Vanderbauwhede, editors, *Proceedings 6th Workshop on Programming Language Approaches to Concurrency and Communication-cEntric Software, PLACES 2013, Rome, Italy, 23rd March 2013*, volume 137 of *EPTCS*, pages 21–32, 2013.

2013   Cinzia Di Giusto and Jorge A. Pérez. Disciplined structured communications with consistent runtime adaptation. In Sung Y. Shin and José Carlos Maldonado, editors, *Proceedings of the 28th Annual ACM Symposium on Applied Computing, SAC '13, Coimbra, Portugal, March 18-22, 2013*, pages 1913–1918. ACM, 2013.

2012   Mario Bravetti, Cinzia Di Giusto, Jorge A. Pérez, and Gianluigi Zavattaro. Towards the verification of adaptable processes. In Tiziana Margaria and Bernhard Steffen, editors, *Leveraging Applications of Formal Methods, Verification and Validation. Technologies for Mastering Change - 5th International Symposium, ISoLA 2012, Heraklion, Crete, Greece, October 15-18, 2012, Proceedings, Part I*, volume 7609 of *Lecture Notes in Computer Science*, pages 269–283. Springer, 2012.

2011   Mila Dalla Preda and Cinzia Di Giusto. Hunting distributed malware with the κ-calculus. In Olaf Owe, Martin Steffen, and Jan Arne Telle, editors, *Fundamentals of Computation Theory - 18th International Symposium, FCT 2011, Oslo, Norway, August 22-25, 2011. Proceedings*, volume 6914 of *Lecture Notes in Computer Science*, pages 102–113. Springer, 2011.

2011   Cinzia Di Giusto and Jean-Bernard Stefani. Revisiting glue expressiveness in component-based systems. In Wolfgang De Meuter and Gruia-Catalin Roman, editors, *Coordination Models and Languages - 13th International Conference, COORDINATION 2011, Reykjavik, Iceland, June 6-9, 2011. Proceedings*, volume 6721 of *Lecture Notes in Computer Science*, pages 16–30. Springer, 2011.

2011   Mario Bravetti, Cinzia Di Giusto, Jorge A. Pérez, and Gianluigi Zavattaro. Adaptable processes (extended abstract). In Roberto Bruni and Jürgen Dingel, editors, *Formal Techniques for Distributed Systems - Joint 13th IFIP WG 6.1 International Conference, FMOODS 2011, and 31st IFIP WG 6.1 International Conference, FORTE 2011, Reykjavik, Iceland, June 6-9, 2011. Proceedings*, volume 6722 of *Lecture Notes in Computer Science*, pages 90–105. Springer, 2011.

2010   Mario Bravetti, Cinzia Di Giusto, Jorge A. Pérez, and Gianluigi Zavattaro. Steps on the road to component evolvability. In Luís Soares Barbosa and Markus Lumpe, editors, *Formal Aspects of Component Software - 7th International Workshop, FACS 2010, Guimarães, Portugal, October 14-16, 2010, Revised Selected Papers*, volume 6921 of *Lecture Notes in Computer Science*, pages 295–299. Springer, 2010.

2009   Cinzia Di Giusto, Jorge A. Pérez, and Gianluigi Zavattaro. On the expressiveness of forwarding in higher-order communication. In Martin Leucker and Carroll Morgan, editors, *Theoretical Aspects of Computing - ICTAC 2009, 6th International Colloquium, Kuala Lumpur, Malaysia, August 16-20, 2009. Proceedings*, volume 5684 of *Lecture Notes in Computer Science*, pages 155–169. Springer, 2009.

2009   Cinzia Di Giusto and Jorge A. Pérez. Move vs copy: Towards a formal comparison of ambients and higher-order process calculi. In Alessandra Cherubini, Mario Coppo, and Giuseppe Persiano, editors, *Theoretical Computer Science, 11th Italian Conference, ICTCS 2009, Cremona, Italy, September 28-30, 2009, Proceedings*, pages 107–112, 2009.

2009   Cinzia Di Giusto, Maurizio Gabbrielli, and Maria Chiara Meo. Expressiveness of multiple heads in CHR. In Mogens Nielsen, Antonín Kucera, Peter Bro Miltersen, Catuscia Palamidessi, Petr Tuma, and Frank D. Valencia, editors, *SOFSEM 2009: Theory and Practice of Computer Science, 35th Conference on Current Trends in Theory and Practice of Computer Science, Spindleruv Mlýn, Czech Republic, January 24-30, 2009. Proceedings*, volume 5404 of *Lecture Notes in Computer Science*, pages 205–216. Springer, 2009.

2009   Giorgio Delzanno, Cinzia Di Giusto, Maurizio Gabbrielli, Cosimo Laneve, and Gianluigi Zavattaro. The *kappa*-lattice: Decidability boundaries for qualitative analysis in biological languages. In Pierpaolo Degano and Roberto Gorrieri, editors, *Computational Methods in Systems Biology, 7th International Conference, CMSB 2009, Bologna, Italy, August 31-September 1, 2009. Proceedings*, volume 5688 of *Lecture Notes in Computer Science*, pages 158–172. Springer, 2009.

2008   Cinzia Di Giusto and Maurizio Gabbrielli. Full abstraction for linda. In Sophia Drossopoulou, editor, *Programming Languages and Systems, 17th European Symposium on Programming, ESOP 2008, Held as Part of the Joint European Conferences on Theory and Practice of Software, ETAPS 2008, Budapest, Hungary, March 29-April 6, 2008. Proceedings*, volume 4960 of *Lecture Notes in Computer Science*, pages 78–92. Springer, 2008.

2007   Jesús Aranda, Cinzia Di Giusto, Mogens Nielsen, and Frank D. Valencia. CCS with replication in the chomsky hierarchy: The expressive power of divergence. In Zhong Shao, editor, *Programming Languages and Systems, 5th Asian Symposium, APLAS 2007, Singapore, November 29-December 1, 2007, Proceedings*, volume 4807 of *Lecture Notes in Computer Science*, pages 383–398. Springer, 2007.

2006 Jesús Aranda, Cinzia Di Giusto, Catuscia Palamidessi, and Frank D. Valencia. On recursion, replication and scope mechanisms in process calculi. In Frank S. de Boer, Marcello M. Bonsangue, Susanne Graf, and Willem P. de Roever, editors, *Formal Methods for Components and Objects, 5th International Symposium, FMCO 2006, Amsterdam, The Netherlands, November 7-10, 2006, Revised Lectures*, volume 4709 of *Lecture Notes in Computer Science*, pages 185–206. Springer, 2006.

Journal Articles

2023 Cinzia Di Giusto, Laetitia Laversa, and Étienne Lozes. Guessing the buffer bound for k-synchronizability. *Int. J. Found. Comput. Sci.*, volume 34, pages 1051–1076, 2023.

2023 Cinzia Di Giusto, Loïc Germerie Guizouarn, and Étienne Lozes. Multiparty half-duplex systems and synchronous communications. *J. Log. Algebraic Methods Program.*, volume 131, page 100843, 2023.

2023 Cinzia Di Giusto, Davide Ferré, Laetitia Laversa, and Étienne Lozes. A partial order view of message-passing communication models. *Proc. ACM Program. Lang.*, volume 7, pages 1601–1627, 2023.

2020 Elisabetta De Maria, Cinzia Di Giusto, and Laetitia Laversa. Spiking neural networks modelled as timed automata: with parameter learning. *Nat. Comput.*, volume 19, pages 135–155, 2020.

2018 Franck Delaplace, Cinzia Di Giusto, Jean-Louis Giavitto, Hanna Klaudel, and Antoine Spicher. Activity networks with delays an application to toxicity analysis. *Fundam. Informaticae*, volume 160, pages 119–142, 2018.

2016 Cinzia Di Giusto and Jorge A. Pérez. Event-based run-time adaptation in communication-centric systems. *Formal Aspects Comput.*, volume 28, pages 531–566, 2016.

2015 Cinzia Di Giusto and Jorge A. Pérez. Disciplined structured communications with disciplined runtime adaptation. *Sci. Comput. Program.*, volume 97, pages 235–265, 2015.

2012 Cinzia Di Giusto, Maurizio Gabbrielli, and Maria Chiara Meo. On the expressive power of multiple heads in CHR. *ACM Trans. Comput. Log.*, volume 13, pages 6:1–6:19, 2012.

2012 Mario Bravetti, Cinzia Di Giusto, Jorge A. Pérez, and Gianluigi Zavattaro. Adaptable processes. *Log. Methods Comput. Sci.*, volume 8, 2012.

Editorships

2025 Cinzia Di Giusto and António Ravara, editors. *Coordination Models and Languages - 27th IFIP WG 6.1 International Conference, COORDINATION 2025, Held as Part of the 20th International Federated Conference on Distributed Computing Techniques, DisCoTec 2025, Lille, France, June 17-19, 2025, Proceedings*, volume 15731 of *Lecture Notes in Computer Science*. Springer, 2025.

2024 Georgiana Caltais and Cinzia Di Giusto, editors. *Proceedings Combined 31st International Workshop on Expressiveness in Concurrency and 21st Workshop on Structural Operational Semantics, EXPRESS/SOS 2024, and 21st Workshop on Structural Operational SemanticsCalgary, Canada, 9th September 2024*, volume 412 of *EPTCS*, 2024.

2025 Giorgio Bacci and Cinzia Di Giusto, editors. *Proceedings Combined 32st International Workshop on Expressiveness in Concurrency and 22nd Workshop on Structural Operational Semantics, EXPRESS/SOS 2025, and 22st Workshop on Structural Operational Semantics. Aarhus, Denmark, September 2025*, volume 433 of *EPTCS*, 2025.

2022 Clément Aubert, Cinzia Di Giusto, Larisa Safina, and Alceste Scalas, editors. *Proceedings 15th Interaction and Concurrency Experience, ICE 2022, Lucca, Italy, 17th June 2022*, volume 365 of *EPTCS*, 2022.

2023 Clément Aubert, Cinzia Di Giusto, Simon Fowler, and Larisa Safina, editors. *Proceedings 16th Interaction and Concurrency Experience, ICE 2023, Lisbon, Portugal, 19th June 2023*, volume 383 of *EPTCS*, 2023.

2025   Clément Aubert, Cinzia Di Giusto, Simon Fowler, and Violet Ka I Pun, editors. *Proceedings 18th Interaction and Concurrency Experience, ICE 2025, Lille, France, 20th June 2025*, volume 425 of *EPTCS*, August 2025.

2024   Clément Aubert, Cinzia Di Giusto, Simon Fowler, and Violet Ka I Pun, editors. *Proceedings 17th Interaction and Concurrency Experience, ICE 2024, Groningen, The Netherlands, 21st June 2024*, volume 414 of *EPTCS*, 2024.

Editor duties

2026   **Guest editor**, *of the special issue for TOPLAS on Multiparty Languages.* `https://dl.acm.org/pb-assets/static_journal_pages/toplas/pdf/ACM-TOPLAS-CfP-Multiparty-Languages-1762804744233.pdf`.

2025   **Guest editor**, *of the special issue for Journal of Information and Computation – Express/SOS 2024-2025.*

2025   **Guest editor**, *of the special issue for Journal of Logical and Algebraic Methods in Programming – Interaction and Concurrency Experience – ICE 2024.*

2024   **Guest editor**, *of the special issue for Journal of Logical and Algebraic Methods in Programming – Interaction and Concurrency Experience – ICE 2023.*

2023   **Guest editor**, *of the special issue for Journal of Logical and Algebraic Methods in Programming – Interaction and Concurrency Experience – ICE 2022.*