

Christina Vasilakopoulou

EMPLOYMENT

Sep 2022 – now	National Technical University of Athens Assistant Professor, School of Applied Mathematical and Physical Sciences
Jun 2019 – Aug 2022	University of Patras, Greece Researcher, Department of Mathematics
Oct 2017 – June 2019	University of California at Riverside (USA) Visiting Assistant Professor, Department of Mathematics
Oct 2016 – Sep 2017	Université Libre de Bruxelles (Belgium) Postdoctoral Fellow, Department of Mathematics
Oct 2015 – Jun 2016	Massachusetts Institute of Technology (USA) Postdoctoral Associate, Department of Mathematics
May – Sep 2015	Athens University of Economics and Business (Greece) Postdoctoral Researcher, Department of Informatics
Sep 2014 – Feb 2015	University of Hawaii at Manoa (USA) Postdoctoral Research Fellow, Department of Information and Computer Sciences

EDUCATION

2010 – 2014	University of Cambridge (UK) – PhD in Category Theory Supervisors: Martin Hyland, Ignacio Lopez Franco
2009 – 2010	University of Cambridge (UK) – MAsT in Mathematics
2005 – 2009	University of Patras (Greece) – Ptychion in Mathematics (B.Sc.) Direction: Pure Mathematics, Final mark: 9,26/10 “Excellent”

PAPERS

2026	Martin Hyland, Ignacio Lopez Franco and Christina Vasilakopoulou, <i>Measuring comodules and enrichment</i> , Journal of Pure and Applied Algebra (3) 230.
2024	Nicola Gambino, Richard Garner and Christina Vasilakopoulou, <i>Monoidal Kleisli Bicategories and the Arithmetic Product of Coloured Symmetric Sequences</i> , Documenta Mathematica (3) 29.
2024	Vasileios Aravantinos-Sotiropoulos and Christina Vasilakopoulou, <i>Enriched duality in double categories II: modules and comodules</i> .
2022	John C. Baez, Kenny Courser and Christina Vasilakopoulou, <i>Structured versus Decorated Cospans</i> , Compositionality (3) 4.
2021	Mitchell Buckley, Timmy Fieremans, Christina Vasilakopoulou and Joost Vercruyssen, <i>Oplax Hopf Algebras</i> , Higher Structures 5, no. 1.
2021	Mitchell Buckley, Timmy Fieremans, Christina Vasilakopoulou and Joost Vercruyssen, <i>A Larson-Sweedler Theorem for Hopf V-categories</i> , Advances in Mathematics 376.
2021	Georgios Bakirtzis, Cody H. Fleming and Christina Vasilakopoulou, <i>Categorical Semantics of Cyber-Physical Systems Theory</i> , ACM Transactions on Cyber-Physical Systems (3) 5.
2020	Joe Moeller and Christina Vasilakopoulou, <i>Monoidal Grothendieck Construction</i> , Theory and Applications of Categories 35, no. 31.
2020	Georgios Bakirtzis, Christina Vasilakopoulou and Cody H. Fleming, <i>Compositional Cyber-Physical Systems Modeling</i> , ACT 2020, Electronic Proceedings in Theoretical Computer Science.
2020	Ignacio López Franco and Christina Vasilakopoulou, <i>Duoidal categories, measuring comonoids and enrichment</i> .
2020	Patrick Schultz, David Spivak and Christina Vasilakopoulou, <i>Dynamical Systems and Sheaves</i> , Applied Categorical Structures 28, no.1.
2019	Christina Vasilakopoulou, <i>Enriched duality in double categories: V-categories and V-cocategories</i> , Journal of Pure and Applied Algebra 223, no. 7.
2018	Christina Vasilakopoulou, <i>On Enriched Fibrations</i> , Cahiers de Topologie et Géométrie Différentielle, (4) 50.
2017	Martin Hyland, Ignacio Lopez Franco and Christina Vasilakopoulou, <i>Hopf measuring comonoids and enrichment</i> , Proceedings of the London Mathematical Society, (3) 115.
2017	Patrick Schultz, David Spivak, Christina Vasilakopoulou and Ryan Wisnesky, <i>Algebraic Databases</i> , Theory and Applications of Categories, volume 32.

- 2016 Vasilis Spyropoulos, Christina Vasilakopoulou and Yannis Kotidis, *Degree: A Middleware for Distributed Graph Pattern Matching*, Proceedings of IEEE Big Data.
- 2014 Christina Vasilakopoulou, *Generalization of Algebraic Operations via Enrichment*, PhD thesis.
- 2012 Christina Vasilakopoulou, *Enrichment of Categories of Algebras and Modules*.

SELECTED TALKS

- 2025 CT2025 (International Category Theory Conference), Masaryk University, Czech Republic
Talk: **The commuting tensor product of multicategories**
- 2024 Workshop on Categorical Logic and Higher Categories, University of Manchester, UK
Talk: **Enriched duality for double categories**
- 2023 CT2023, UCLouvain, Belgium
Talk: **Sweedler theory for double categories**
- 2022 Virtual Double Categories Workshop (online)
Talk: **Monoidal Kleisli double categories**
- 2020 Algebra seminar at Masaryk University, Brno, Czech Republic (online)
Talk: **Oplax Hopf Algebras**
- 2020 Colloquium of Department of Mathematics, Macquarie University, Australia
Also in European Centre for Living Technology Seminar, University of Venice, Italy (2019)
Talk: **Wiring diagrams, a categorical formalism for systems modeling**
- 2019 Fifth Symposium on Compositional Structures, University of Birmingham, UK
Talk: **The Dialectica category and related structures**
- 2018 Riverside Mathematics Workshop for Excellence and Diversity, UCR, USA
Talk: **Hopf and Frobenius algebras: generalizations and the Larson-Sweedler Theorem**
- 2018 CT2018, University of Azores, Portugal
Talk: **Monoidal Grothendieck Construction**
- 2017 AMS Meeting, Special Session on Applied Category Theory, UCR, USA
Talk: **Abstract Dynamical Systems**
- 2017 CT2017, UBC, Vancouver, Canada
Talk: **Hopf categories as Hopf monads in enriched matrices**
- 2014 CT2014, University of Cambridge, UK
Talk: **Enriched Fibration**
- 2013 CT2013, Macquarie University, Sydney
Talk: **Enrichment of V-categories in V-cocategories**

MISCELLANEOUS

- Editor Cahiers de topologie et géométrie différentielle catégoriques, Theory and Applications of Categories, Applied Categorical Structures (guest editor, Bob Paré's special volume)
- Reviewer Advances in Mathematics, Algebraic & Geometric Topology, Forum of Math: Sigma, Journal of Algebra, Journal of Algebra and its Applications, Journal of Pure and Applied Algebra, Journal of the London Mathematical Society, Mediterranean Journal of Mathematics
- Evaluator Cambridge University Press, Czech Science Foundation, FNRS (Belgium)
- 2026 Scientific committee: CT2026, John Hopkins University, USA
- 2023 Chair of the scientific committee: ACT2023, University of Florida, Miami, USA
- 2023 Organizing & program committee: PSSL107, National Technical University of Athens, Greece
- 2021 Scientific committee: CT2021, University of Genova, Italy
- 2020 Steering & program committee: ACT2020, MIT, USA, 6-10 July
- 2019 Outstanding Teaching Award, Department of Mathematics, UCR, USA
- 2019 Steering & program committee: ACT2019, University of Oxford, UK, 15-19 July
- 2019 Organizing committee: CT2019, University of Edinburgh, UK, 7-13 July
- 2017 Organizing committee: *Brussels Hopf Algebra workshop*, ULB, 29-30 August
- 2009 – 2014 George and Marie Vergotis Bursary (Cambridge Trusts), A.G.Leventis Foundation Scholarship, Internal Graduate Studentship (Trinity College), Propondis Foundation Scholarship
- 2005 – 2009 Scholarships of entrance (1st) and performance (1st), Department of Mathematics, University of Patras, Greece – Institution of Government Scholarships (IKY)