Chris Heunen – Curriculum Vitae

- Email: chris.heunen@ed.ac.uk
- Address: School of Informatics, 10 Crichton Street, Edinburgh EH8 9AB, United Kingdom
- Children: Tristan (2011), Nora (2014)

Employment

- 2019–present: Reader at University of Edinburgh
- 2015–2019: Senior Research Fellow at University of Edinburgh
- 2014–2015: Lecturer at St. Hugh's College Oxford
- 2013–2015: Senior Research Fellow at University of Oxford
- 2011–2013: Research Assistant at University of Oxford
- 2009–2012: Visiting researcher at California Institute of Technology
- 2009–2011: NWO Rubicon Research Fellow at University of Oxford
- 2005–2009: Junior Researcher at Radboud University Nijmegen

Education

- 2009: PhD in Mathematics and Computer Science, Radboud University Nijmegen
- 2005: MSc in Mathematics (*cum laude*), Radboud University Nijmegen
- 2005: MSc in Computer Science (*cum laude*), Radboud University Nijmegen

Funding

- 2019: EPSRC Fellowship extension *Combining Viewpoints in Quantum Theory*, PI, £529,579
- 2015: MURI *Semantic Structures for Higher Quantum Programming Languages*, co-PI, $6,339,059
- 2013: EPSRC Early Career Fellowship *Combining Viewpoints in Quantum Theory*, PI, £438,632
- 2009: NWO Rubicon Fellowship *Quantum Theory and Categorical Logic*, PI, € 97,060

Honours

- 2018: Fellowship Higher Education Academy
- 2012: Birkhoff–von Neumann prize, International Quantum Structures Association
- 2003: Aia Software award, best BSc thesis in Computer Science
- 2000: National CIVI award, Royal Holland Society of Sciences and Humanities

Editorial service

- 2018–present: Founding editor (elected) open-access non-profit journal *Compositionality*
- 2016–present: Founding editor (elected) open-access non-profit journal *Quantum*

Selected invited conference presentations

- 2017: *Young Functional Analysts*, Glasgow
- 2016: *Logical Structures in Computing*, Berkeley
- 2016: *Uncertainty in Computation*, Berkeley
- 2016: *Information and Processes*, Paris
- 2015: *Higher TQFT and Categorical QM*, Vienna
- 2015: *Domains*, Cork

- 2015: *Conference on Algebra and Coalgebra (CALCO)*, Nijmegen
- 2014: *Quantum Structures*, Olomouc
- 2014, 2015: *Quantum Logic*, Amsterdam
- 2014: *Philosophy of Mechanics* Paris
- 2014: *World Congress of Paraconsistent Logic*, Calcutta
- 2013: *Quantum Information & Foundations*, Vancouver
- 2012: *Quantum Structures*, Cagliari
- 2008: *Foundational Structures for Quantum Information,* Obergurgl

Programme Committee chair

- 2015, 2016: *Quantum Physics and Logic*

Programme Committee member

- 2019: *Category Theory (CT)*
- 2019: *Foundations of Software Science and Computation Structures (FoSSaCS)*
- 2019: *Conference on ALgebra and COalgebra (CALCO)*
- 2014–2019: *Quantum Physics and Logic (QPL)*
- 2017: *Mathematical Foundations of Programming Semantics (MFPS)*
- 2017: *International Quantum Structures Association (IQSA)*
- 2016: *Foundations of Software Science and Computation Structures (FoSSaCS)*
- 2016: *Quantum Interaction (QI)*
- 2016: *Semantic Spaces (SS)*

PhD supervision

- 2022 (expected): J. Sigal (principal supervisor)
- 2021 (expected): N. Dicaire (principal supervisor)
- 2020 (expected): P. Andres Martinez (principal supervisor)
- 2019 (expected): P. Enrique Moliner (principal supervisor)
- 2019 (expected): O. Cunningham (principal supervisor)
- 2018: M. Karvonen (principal supervisor)
- 2018: S. Tull (principal supervisor)
- 2018: V. Patta (co-supervisor)

Leadership

- 2019: Lead organiser *Category Theory* conference
- 2016–present: Councillor (elected) *International Quantum Structures Association*
- 2016–present: Lead organiser biannual *Categories Logic and Physics Scotland* workshop
- 2015, 2016: Lead organiser *Quantum Physics and Logic* conference
- 2011–2015: Convenor weekly *OASIS seminar*, Oxford
- 2009–2015: Maintainer *Oxford Quantum Talks* online video archive ($\geq$400 talks)

Teaching

- 2018: PhD course *Categories and Quantum Informatics*, Palmse
- 2017: PhD course *Categories and Quantum Informatics*, Pisa
- 2016–present: MSc course *Categories and Quantum Informatics*, Edinburgh
- 2011–2015: MSc course *Categorical Quantum Mechanics*, Oxford
- 2014–2015: BSc course *Logic and Proof*, Oxford
- 2014–2015: BSc courses *Linear algebra, Functional programming, Algorithms*, St. Hugh's Oxford
- 2010, 2014: PhD course *Introduction to Monoidal Categories*, Oxford
- 2011: MSc course *Toposes in the Foundations of Quantum Mechanics*, Zurich