Ivan **Di Liberti**

Institute of Mathematics, Czech Academy of Sciences, Žitná 25, Prague.

✉ diliberti.math@gmail.com   ⌂ diliberti.github.io   🐦 ivandiliberti

Appointments

Postdoc   *Prague, Czech Republic*

Czech Academy of Sciences, Institute of Mathematics   *Jul 2020 - Present*
  Grant: GX20-31529X
  Coordinator: Wiesław Kubiś

Education

Ph.D. in Mathematics   *Brno, Czech Republic*

Masaryk University   *Feb. 2017 - Sept. 2020*
  Dissertation: The Scott adjunction
  Advisor: Jiří Rosický

MSc in Mathematics   *Pisa, Italy*

Università di Pisa   *Mar. 2015 - Dec. 2016*
  Dissertation: A survey on Barr's Theorem
  Advisors: Nicola Gambino, Alessandro Berarducci

BSc in Mathematics   *Pisa, Italy*

Università di Pisa   *Sept. 2011 - Mar. 2015*
  Dissertation: Definable groups in o-minimal structures
  Advisor: Alessandro Berarducci

Publications

2020	**Gabriel-Ulmer duality for topoi and its relation with site presentations**, Applied Categorical Structures, 10.1007/s10485-020-09605-x	*j/w Julia Ramos Gonzalez*
2020	**Codensity: Isbell duality, pro-objects, compactness and accessibility**, Journal of Pure and Applied Algebra, 10.1016/j.jpaa.2020.106379	
2019	**Weak saturation and weak amalgamation property**, Journal of Symbolic Logic, 10.1017/jsl.2019.45	
2018	**Homotopical Algebra is not concrete**, J. Homotopy Relat. Struct., 10.1007/s40062-018-0197-3	*j/w Fosco Loregian*

Conference Proceedings

2020	**Functorial Semantics for Partial Theories**, Accepted by POPL21,	*j/w Loregian, Nester, Sobocinski*

Preprints

2020	**Formal Model Theory & Higher Topology**, arXiv:2010.00319. Ready for submission.	
2020	**Towards higher topology**, arXiv:2009.14145. Submitted.	
2020	**General facts on the Scott Adjunction**, arXiv:2009.14023. Submitted.	
2020	**Enriched locally generated categories**, arXiv:2009.10980. Submitted.	*j/w Jiří Rosický*
2019	**On the unicity of formal category theories**, arXiv:1901.01594. Under revision.	*j/w Fosco Loregian*
2018	**Accessibility and Presentability in 2-categories**, arXiv:1804.08710. Under revision.	*j/w Fosco Loregian*

Teaching

2020	**Category Theory**, Lecturer, Institute of Mathematics, Czech Academy of Science	
2020	**Topology**, Teaching Assistant, Masaryk University	
2019	**Topics in Category Theory**, Instructor, Masaryk University	*j/w John Bourke*
2019	**Topology**, Teaching Assistant, Masaryk University	
2018	**Topics in Category Theory**, Instructor, Masaryk University	*j/w John Bourke*
2017	**Rings and Modules**, Teaching Assistant, Masaryk University	

Supervision

Vít Jelínek, bachelor thesis in Computer Science, in progress

Service

ItaCaFest I	Program commettee
MUAW	Masaryk University Algebra Webinar, Founder and main organizer until July 2020
ItaCa I	Università di Milano, Program commettee
PSSL103	Masaryk University, Organizer
Reader	Thesis Reader at Masaryk University
MathOverflow	Active User