

Ivan Di Liberti

Contact

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Current Position

Postdoc, *Czech Academy of Sciences*, Prague, since Jul 2020.

Grant: GX20-31529X.

Coordinator: prof. Wiesław Kubiś.

Ph.D Student, *Masaryk University*, Brno, since Feb 2017.

Dissertation: The Scott adjunction - Towards formal model theory. Under evaluation.

Advisor: prof. Jiří Rosický.

Expected defence: mid September 2020.

Education

- 2016 **MSc in Mathematics**, *Università di Pisa*.
Dissertation: A survey on Barr's Theorem.
Advisors: Prof. Nicola Gambino, prof. Alessandro Berarducci.
- 2015 **BSc in Mathematics**, *Università di Pisa*.
Dissertation: Definable groups in o-minimal structures.
Advisor: Prof. Alessandro Berarducci.

Research

Publications

- 2020 **Gabriel-Ulmer duality for topoi and its relation with site presentations**, j/w Julia Ramos Gonzalez, Accepted by Applied Categorical Structures.
- 2020 **Codensity: Isbell duality, pro-objects, compactness and accessibility**, Journal of Pure and Applied Algebra, doi:10.1016/j.jpaa.2020.106379.
- 2019 **Weak saturation and weak amalgamation property**, Journal of Symbolic Logic, doi:10.1017/jsl.2019.45.
- 2018 **Homotopical Algebra is not concrete**, j/w F. Loregian, J. Homotopy Relat. Struct. (2018) 13: 673.

Preprints

- 2019 **On the unicity of formal category theories**, j/w F. Loregian.
- 2018 **Accessibility and Presentability in 2-categories**, j/w F. Loregian.