Ivan Di Liberti

Category theory, Logic, Foundations

▬ 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 **Graduate Student in Pure Mathematics**, *Università di Pisa*.
Dissertation: A survey on Barr's Theorem.
Advisors: Prof. Nicola Gambino, prof. Alessandro Berarducci.

2015 **Bachelor Student in Pure 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.