# Categorical tools

## Masaryk University - Spring 2017

Dear students,
    we are a postdoc (Fosco) and a PhD student (Ivan) here in MU; we are planning to start a series of lectures on two topics we love:

- **Accessible and presentable** categories;
- **Homotopical algebra** and abstract homotopy theory.

If you are interested in following us, send us an email!
    You should be familiar with some rudiments of category theory, but we are trying to design the course in order to keep its prerequisites to a reasonable minimum. Of course, everyone willing to collaborate is welcome.
    A few other informations:

- Here's a tentative schedule of the first meetings:
    - **6th April**: Ivan: Generalities on Locally Presentable Categories. Fosco: Categorical Preliminaries and generalities on model categories.
    - **11th April**: Ivan: Representation Theorem. Fosco: Model Structure on Simplicial Sets and Spaces: a Quillen Equivalence.
    - **18th April**: Ivan: Properties of Locally Presentable Categories. Fosco: Homotopy Limits.

✉: fosco.loregian@gmail.com and/or diliberti@math.muni.cz.
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Fosco and Ivan,
Brno, March 27, 2017