

# Maguy Trefois

*Ph.D. student in Applied Mathematics*

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DOB March 1<sup>st</sup>, 1987 (28 yo)

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## Education

- 2015 – now **Master in Actuarial Science**, *Université catholique de Louvain*, Louvain-La-Neuve, Belgium.  
My master thesis is about pension funds and my advisor is Prof. P. Devolder
- 2010 – now **Ph.D student in Applied Mathematics**, *Université catholique de Louvain*, Louvain-La-Neuve, Belgium.  
Ph.D. advisors : Prof. J.-C. Delvenne and Prof. J.-P. Tignol
- 2008 – 2010 **Master in Mathematics**, *Université catholique de Louvain*, Louvain-La-Neuve, Belgium (*summa cum laude*).  
I followed additional courses in actuarial science. I did my master thesis on graph spectra and expanders.
- 2005 – 2008 **Bachelor in Mathematics**, *Université catholique de Louvain*, Louvain-La-Neuve, Belgium (*magna cum laude*).  
I did a minor in computer science and my bachelor thesis on quadratic forms.

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## Languages

French	native language
Italian	fluent
English	fluent
Dutch	deep knowledge
German	primary education

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## Journal paper

- M. Trefois, J.-C. Delvenne, *Zero forcing number, constrained matchings and strong structural controllability*, Linear Algebra Appl. 484(2015) 199-218.
- M. Trefois, P. Van Dooren, J.-C. Delvenne, *Binary factorizations of the matrix of all ones*, Linear Algebra Appl. 468(2015) 63-79.

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## Miscellaneous

- My hobbies include badminton, running, board games, rock & roll, knitting and geocaching.
- Since 2010, I have been a teaching assistant for students in mathematics, physics, engineering, economics and agronomy (mathematical classes at different levels).
- In 2003, I hold the degree from the Trinity College of London in spoken English (level 4).