

Marina Paola Gardella Oddone

<https://marinagardella.github.io/>

Curriculum Vitae

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Date of Birth: September 3, 1992

Nationality: Uruguayan

✉ marina.gardella@ens-paris-saclay.fr

☎ +33656674144

EDUCATION

- 2020-Present **Ph.D. in Mathematics**, Centre Borelli, École normale supérieure Paris-Saclay, Université Paris-Saclay. Supervisors: Miguel Colom, Jean-Michel Morel and Pablo Musé. Paris Region grant.
- 2017 - 2019 **Masters in Mathematical Engineering**, School of Engineering, Universidad de la República. CAP grant.
- 2011 - 2017 **Bachelor in Mathematics**, School of Sciences, Universidad de la República.
- 2012 - 2016 **Bachelor in Economics**, School of Economics Sciences and Administration, Universidad de la República.

TEACHING

- 2020-2021 **Teaching Assistant, Institut Universitaire de Technologie de Sceaux, Université Paris-Saclay** Courses taught: Geometry and Linear Algebra 1 and 2, Calculus 2, Calculus 3, Numerical analysis and Probability and Statistics.
- 2014-2019 **Teaching Assistant, Department of Mathematics, School of Engineering, University of the Republic** Courses taught: Geometry and Linear Algebra 1 and 2, Calculus 2, Calculus 3, Numerical analysis and Probability and Statistics.
- 2015-2016 **Teaching Assistant, Department of quantitative Methods, School of Economics Sciences and Administration, University of the Republic** I conducted exercises sessions on Calculus.
- 2015 **MOEBIUS Project.** MOEBIUS is a project carried out by University professors together with high school teachers with the purpose of developing students' capabilities to face different problems.
- 2013 **Teaching Assistant, Department of Mathematics, School of Sciences, University of the Republic** My job consisted on conducting exercises sessions on Geometry and Linear Algebra 2, as well as assisting in the design and grading of tests.

SUPERVISION

- 2020 Bachelor supervisor (as encadrant junior, together with Miguel Colom) of Enguérand Chary and Syrine Kalleli; Centre Borelli, ENS Paris-Saclay.

RESEARCH

International Peer-reviewed Journal Articles

- M. Gardella, P. Musé, J.-M Morel, M. Colom (2021). Forgery Detection in Digital Images by Multi-Scale Noise Estimation. Journal of Imaging.

International Peer-reviewed Conferences

- M. Gardella, P. Musé, J.-M Morel, M. Colom (2021). NoiseSniffer: a Full Automatic Image Forgery Detector Based on Noise Analysis. 9th IEEE International Workshop on Biometrics and Forensics. **Best Paper Award.**

Book Chapters

- Q. Bammey, M. Colom, T. Ehret, M. Gardella, Rafael Grompone, J.-M Morel, T. Nikoukhah, D. Perraud, "Authentification et insertion de données cachées", chapter in "Sécurité multimédia", ISTE Science, 2021.

Talks and Workshops

- M. Gardella, T. Nikoukhah, Q. Bammey (2021). Détection automatique de la falsification d'images. Congrès des Jeunes Chercheuses et Chercheurs en Mathématiques Appliquées (CJC-MA) 2021. October 27-29, 2021, École polytechnique, Palaiseau, France.
- M. Gardella (2021). Enhanced Image Forensic Tools for Fact-Checkers. Conference for Truth and Trust Online (TTO) 2021. October 7 and 8, 2021. Online.
- M. Gardella (2017). Estimation of the Inflationary feedback coefficient in Uruguay 1985-2017. IV Conference in applied statistics. October 2017. La Paloma, Uruguay.

FOREIGN LANGUAGES

English

Key English Test (2004)
First Certificate in English (2007)
Examination for the Certificate of Proficiency in English (2010)

French

Delf A1 (2007)
Delf A2 (2008)
Delf B2 (2010)

Portuguese

Three-year course (2008-2010). I achieved basic levels of communication, both written and oral.