

# CURRICULUM VITÆ OF GABRIELE FICI

(December 3, 2024)

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## EMPLOYMENT

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2020 –	Associate Professor of Computer Science at Università di Palermo, Italy.
2017 – 2020	Ricercatore a Tempo Determinato “B” (roughly equivalent to tenure track for Associate Professor) of Computer Science at Università di Palermo, Italy.
2013 – 2017	Ricercatore a Tempo Determinato “A” (roughly equivalent to Assistant Professor) of Computer Science at Università di Palermo, Italy.
2009 – 2012	Post-doc at CNRS & Université Nice Sophia Antipolis, France.
2005 – 2009	Post-doc at Università di Salerno, Italy.

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## DEGREES AND HABILITATIONS

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2020	Italian “Abilitazione Scientifica Nazionale” for Full Professor in sections 01/B1 (Computer Science) and 09/H1 (Information Processing Systems).
2015	French “Habilitation à Diriger des Recherches” in section 27 (Computer Science).
2010	French “Qualification aux fonctions de Maître de Conférences” in section 27 (Computer Science).
2006	Ph.D. in Computer Science at Université Paris-Est Marne-la-Vallée, France, and Ph.D. in Mathematics at Università di Palermo, Italy (joint PhD).
2002	Laurea <i>cum laude</i> in Mathematics at Università di Palermo, Italy.

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## FIELD OF RESEARCH

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Theoretical computer science and discrete mathematics. In particular, combinatorial and algorithmic problems on words.

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## RESPONSIBILITY FOR RESEARCH PROJECTS

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2023 – 2025	Italian MIUR Project PRIN “Algorithmic Problems and Machine Learning” (Principal Investigator of one of the 3 units, EUR: 76.690,00).
2019 – 2023	Italian MIUR Project PRIN “Algorithms, Data Structures and Combinatorics for Machine Learning” (Principal Investigator of one of the 3 units, EUR: 111.381,00).

## VISITING POSITIONS

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2019	Visiting Professor at University of Wrocław, Poland, 1 month. Financed by an outgoing mobility program CoRI, University of Palermo.
2016 – 2019	Visiting Senior Lecturer at King’s College London, UK, 3 years (visiting appointment without salary).
2016	Visiting Scholar at Universidade Nova de Lisboa, Portugal, 3 weeks. Financed by the Centro de Matemática e Aplicações da Universidade Nova de Lisboa.
2015	Visiting Scholar at University of Warsaw, Poland, 2 weeks. Financed by the Warsaw Center of Mathematics and Computer Science.
2007	Visiting Post-doc at Université Nice Sophia-Antipolis, France, 2 months. Financed by the European Science Foundation.

## INVITED SHORT VISITING

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June 2024	Tokyo Medical and Dental University, invited by Hideo Bannai.
Apr. 2024	CWI, Amsterdam, The Netherlands, invited by Solon Pissis.
Feb. 2019	Goldsmiths, University of London, UK, invited by Golnaz Badkobeh.
Nov. 2017	King’s College London, UK, invited by Costas Iliopoulos.
Aug. 2016	University of Helsinki, Finland, invited by Simon J. Puglisi.
Dec. 2015	Université Paris-Est Marne-la-Vallée, France, invited by Marie-Pierre Béal.
Mar. 2015	Université Claude Bernard Lyon 1, France, invited by Luca Zamboni.
May 2014	University of Oxford, UK, invited by Georg Gottlob.
Sep. 2013	University of Turku, Finland, invited by Juhani Karhumäki and Luca Zamboni.
July 2012	King’s College London, UK, invited by Maxime Crochemore.
Nov. 2010	Univeristé de Rouen, France, invited by Thierry Lecroq.
Mar. 2009	Université Nice Sophia-Antipolis, France, invited by Jean-Marc Fédou.

## SCIENTIFIC COUNCIL MEMBERSHIP

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2024 –	Treasurer and Member of the Council of the European Association for Theoretical Computer Science, EATCS.
2017 – 2021	Member of the Council of the Italian Chapter of the European Association for Theoretical Computer Science, EATCS.

## STEERING COMMITTEES OF INTERNATIONAL CONFERENCES

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2024 –	WORDS, International Conference on Words.
2017 – 2020	SPIRE, International Symposium on String Processing and Information Retrieval.

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## PROGRAM COMMITTEES OF INTERNATIONAL CONFERENCES

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FCT 2025, WORDS 2025, CPM 2024, AFL 2023, GandALF 2023, SPIRE 2023, WORDS 2023, CPM 2022, ICTCS 2022, JM 2022, SPIRE 2022, IWOCA 2021, SPIRE 2021, WORDS 2021, CPM 2020, ICTCS 2020, SPIRE 2020, CPM 2019, WORDS 2019, ICTCS 2018, IWOCA 2018, SPIRE 2017 (**co-chair**), IWOCA 2017, CPM 2017, JM 2016, IWOCA 2016.

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## EDITORIAL BOARD OF INTERNATIONAL JOURNALS

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2021 –           RAIRO - Theoretical Informatics and Applications. EDP Sciences.

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## SCIENTIFIC EVENT ORGANIZATION

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2023 –           Sequences in London (annual workshop).  
2018           Palermo Workshop on Algorithms. Palermo, 19–20 July 2018.  
2017           SPIRE 2017, 24th International Symposium on String Processing and Information Retrieval. Palermo, 26–29 Sep. 2017.  
2011           Workshop on Text Algorithms, Combinatorics on Words and Applications to Bioinformatics. Rennes, France, 10–11 Jan. 2011.

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## REFEREEING AND REVIEWING

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Books           Oxford University Press.  
Journals       Journal of the ACM, Algorithmica, Theoretical Computer Science, Journal of Computer and System Sciences, Information and Computation, Discrete Applied Mathematics, etc.  
Conferences   SODA, ICALP, MFCS, ESA, STACS, etc.  
Grants       European Research Council (ERC), Israel Science Foundation (ISF), Canadian Natural Sciences and Engineering Research Council (NSERC), Czech Science Foundation (CSF), French National Research Agency (ANR).  
Ph.D. theses   Caïus Wojcik, Université Claude Bernard Lyon 1, France, 2019.  
                  Alice Héliou, École polytechnique, France, 2017.  
Others       Reviewer for *Mathematical Reviews* (American Mathematical Society) and *zb-MATH* (European Mathematical Society/FIZ Karlsruhe/Heidelberg Academy for Sciences).  
                  2015 – 2021 Open Problem Session Editor for the International Workshop on Combinatorial Algorithms (IWOCA) series.

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## PUBLICATIONS

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I published more than 70 papers in international journals and proceedings of international conferences in theoretical computer science and discrete mathematics. The full list of my publications is available on my web page (see also DBLP and Google Scholar).

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## INVITED TALKS

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2024	2nd Lyndex Meeting. Caen, France.
2024	19th Mons Theoretical Computer Science Days. Nice, France.
2024	Thematic Month “Discrete Mathematics and Computer Science”, Centre International de Rencontres Mathématiques, Marseille, France.
2022	16th Meeting on Tomography and Applications. Milano, Italy.
2018	Workshop on Words and Complexity. Lyon, France.

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## PH.D. COURSES

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2023 – 2024	Combinatorics on Words. CWI Amsterdam, The Netherlands.
2020 – 2021	Combinatorics on Words. Università di Palermo, Italy.
2018 – 2019	Combinatorics on Words. University of Wrocław, Poland.
2018 – 2019	Combinatorics on Words. Università di Palermo, Italy.

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## PHD PROGRAM SCIENTIFIC BOARD

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2018 –	Member of the Scientific Board of the PhD Program in Mathematics and Computational Sciences at Università di Palermo.
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## STUDENTS

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Estéban Gabory, post-doc at Università di Palermo (2024 – 2025).

Jia Gao, post-doc at Università di Palermo (2021 – 2022).

Mickaël Postic, PhD thesis (50% with Luca Zamboni) at Université de Lyon, France (2017 – 2020).

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## ACADEMIC DUTIES

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2017 – 2023	<i>Coordinatore vicario dei corsi di studio in informatica</i> (Vice-coordinator of Bachelor and Master programs in Computer Science) at Università di Palermo.
2015 – 2020	Member of the <i>Giunta di Dipartimento</i> (Council Board) of the Dipartimento di Matematica e Informatica, Università di Palermo.
2015 –	Scientific coordinator at Università di Palermo for an Erasmus exchange program in Computer Science with Eötvös Loránd University Budapest, Hungary.

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## LANGUAGES

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Italian	Native speaker
English	Fluent
French	Fluent