Curriculum Vitae

Claire Mathieu

PERSONAL INFORMATION. Family name: Mathieu[1]
First name: Claire
Nationality: France and US
Date of birth: March 9, 1965

RESEARCH INTERESTS. Design and analysis of approximation algorithms, online algorithms, streaming algorithms, randomized algorithms, algorithms for combinatorial optimization, for noisy data, for planar graphs, for scheduling, for clustering, for graph reconstruction, and other algorithmic problems.

EDUCATION. 1996: *Habilitation* in Computer Science at Lyon I University.
1988: PhD (*thèse*) in Computer Science at Paris XI Orsay University. Advisor: Claude Puech.
1985: Master's (*DEA*) in Computer Science at Paris XI Orsay University.

CURRENT POSITION. Since 2012: 1st class research director in Computer Science at *Centre National de la Recherche Scientifique* (CNRS).
2014-2016: in addition, *professeur associé* to the Computer Science department of Ecole Normale Supérieure.

PREVIOUS POSITIONS. Professor at Brown University (USA), 2004-12 (full time), 2012-14 (two months per year). Professor at Ecole Polytechnique and IUF, 2002-2004. Professor at Orsay University, 1997-2004. Junior CNRS researcher at ENS and ENS Lyon, 1990-1997. Postdoctoral positions at DIMACS and at Princeton University, 1988-1990. Student of ENS, 1983-1988.

SUPERVISION   OF GRADUATE STUDENTS.
Nicolas Schabanel (2000), currently CNRS research director.
Jérémy Barbay (2002), currently assistant professor at the University of Chile.
Aparna Das (2010), currently assistant professor at Le Moyne College.
Warren Schudy (2010), currently at Google.
David Eisenstat (2014), co-advised with Philip Klein, currently at Google.
Hang Zhou (2015, currently postdoc at MPI).
Vincent Cohen-Addad (2016, expected), co-advised with Zhentao Li., will be postdoc at the University of Copenhagen.
Victor Verdugo (2017-2018, expected), co-advised with Jose Correa.
Frederick Mallmann-Trenn (2017, expected), co-advised with Petra Berenbrink.

Various interns or visiting graduate students for three months or more: V. Unger (ENS-Lyon, 1993), S. Roman (ENS-Lyon, 1996), L. Rempe (Paris-Sud, 2002), A. Broutin (Polytechnique, 2003, 50%), J. Correa (summer intern from MIT, 2003), Ocan Sankur (ENS, 2009); Adrian Vladu (Brown, 2010 and 2011), T. Avitabile (Brown, 2011), Q. Teng (ENS, 2011), N. Gaya (Brown, 2013).

---

[1]Also known under the name of Kenyon until 2006.

TEACHING ACTIVITY. *Teaching experience in the US (Berkeley, Cornell, Brown).* Group theory and computer science; Algorithms; Graph Theory; Approximation Algorithms; Computer Science, Algorithms and Economics; Online Algorithms; Design and Analysis of Algorithms; CS: an Integrated Introduction; Planar graph algorithms.
Teaching experience in France. Coursera MOOC course on Approximation algorithms. Graduate courses on: complexity, randomized algorithms, random graphs, algorithmic game theory, and planar graphs. Upper-level undergraduate courses on: algorithms and data structures, advanced algorithms, automata and formal languages, complexity, programming in C, and programming in Java. Lower-level undergraduate courses on: introduction to computer science, mathematics for computer science, and programming in CAML.

CO-ORGANISATION OF SCIENTIFIC MEETINGS. Dagstuhl Seminar 17141 Probabilistic Methods in the Design and Analysis of Algorithms, 2017. Highlights of Algorithms, 2016. Dagstuhl Seminar 16221 Algorithms for Optimization Problems in Planar Graphs, 2016 and 2013. ICERM semester on Computation on Graphs and Networks, 2014. Institut Henri Poincaré trimester on *Metric geometry, algorithms and groups*, 2011. Dagstuhl seminar 11091 on *Packing and Scheduling Algorithms for Information and Communication,* 2011. IEEE FOCS 2007. France-Berkeley workshop on Phase transitions and complexity, Orsay, 1999. Session on approximation algorithms for scheduling, at the 17th *International Symposium on Mathematical Programming*, Atlanta, 2000. Workshop on approximation and on-line algorithms, Orsay, 2001. Semester on "Probability, Algorithms and Statistical Physics", MSRI, Berkeley, California, 2005.

INSTITUTIONAL RESPONSABILITIES. ENS: Head of the TALGO (Theory) research group at the CS department of ENS, 2012-2015. Responsible for the CS curriculum at ENS (2015-2016), for the Math-CS program at ENS (2014-2016), CS deparment representative for "Nuit des Sciences" at ENS (2014), Member of the ENS CS department Vision committee (2013), Co-responsible for the ENS CS department lecture series (2012-2016).
Brown: Member of the Brown University Committee on Academic Standing (CAS) (2008-2010), freshman and sophomore advising program (2008-2012), Committee on Diversity in Hiring (2006-2008), CS Department Lecture Series (2011-12)CS department PhD Admissions Committee (2004-05, 2005-06 (chair), 2006-07 (chair), 2007-08, 2008-09, 2009-2010 (chair), 2010-2011 (chair)). Chair of the CS department Strategic Opportunities Committee (2008-09).
Orsay: Orsay University Coordinator of all lower-level undergraduate courses in Computer Science (1998-2002).

COMMISSIONS OF TRUST. Member of the Scientific Programming Committee, Institut Henri Poincaré, since 2014.
Member of the Scientific Board of SIF (Société informatique de France), since 2012.
Member of the ACM-SIAM SODA Steering Committee, until 1/2014.
Member of the Presburger award committee, 2014, 2015, 2016 (chair).
Journal editor: SIAM Journal on Computing, 2010-2016; Algorithmica, 2004-2010; ESAIM, Probabilités et Statistiques, 2001-2004.
Chair of the program committee, ACM-SIAM SODA, 2009; APPROX, 2016.
Member of program committees: WG '14, APPROX '13, APPROX'10, APPROX'07, APPROX'01, APPROX'98, SODA'09, SODA'03, SODA'00, SODA'98, STOC'05, FOCS'02, STACS 2011, STACS '99, ICALP'02, ESA'04, ANALCO'06, WAOA'04, RANDOM'98 .