

Samuel MIMRAM

French nationality

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Research topics

Concurrency, rewriting theory, category theory, algebraic topology, denotational semantics, programming languages.

Education and positions

2018–...	Professeur in LIX laboratory (École Polytechnique)
2017–2018	Professeur chargé de cours in LIX laboratory (École Polytechnique)
2016	Habilitation à diriger des recherches
2014–2017	Maître de conférences in LIX laboratory (École Polytechnique)
2010–2014	Researcher in LIST/LMeASI team (CEA)
2009–2010	Postdoctoral research in LIST/LMeASI team (CEA)
2005–2008	PhD thesis in PPS team (CNRS / Université Paris Diderot)
2004–2005	Master Parisien de Recherche en Informatique (eq. MSc)
2002–2005	École Normale Supérieure de Lyon
2000–2002	Classes préparatoires in mathematics (MPSI/MP), with specialty in computer science (Lycée Henri IV, Paris)
2000	Baccalauréat S (eq. A-level) mention Bien (Lycée Carnot, Paris)

Participation to research projects

2021–2025	ANR LambdaComb
2021–2025	ANR S3 (<i>Species, Syntax and Semantics</i>)
2014–2018	ANR CATHRE (<i>Categories, Homotopy and Rewriting</i>)
2011–2015	ESF RN ACAT (<i>Applied and Computational Algebraic Topology</i>)
2011–2015	ANR REVER (<i>Programming reversible recoverable systems</i>)
2009–2012	ANR PANDA (<i>Parallel and Distributed Analysis</i>)
2008–2010	ANR CHOCO (<i>Curry-Howard for Concurrency</i>)
2005–2008	ANR INVAL (<i>Invariants Algébriques</i>)
2005–2006	ACI GEOCAL (<i>Géométrie du Calcul</i>)

Teaching

2015–...	Teaching at École Polytechnique: <i>Computational logic</i> (INF551) <i>Fondements de l'Informatique: logique, modèles, calculs</i> (INF412) <i>Programmation d'applications concurrentes et distribuées</i> (INF431) <i>Programmation avancée</i> (INF441)
2009–2018	<i>Lambda-calculi and categories</i> (M1, MPRI)
2014	Orals in CS for admission to École Normale Supérieure (Ulm)
2006–2009	Monitorat at Université Paris Diderot: <i>Programmation système</i> (L3) <i>Automates finis</i> (L2) <i>Introduction à l'informatique et la programmation</i> (L1)
2005–2006	Computer science “colles” in MPSI (Lycée Janson de Sailly, Paris)

PhD students

2022–2025	Elies Harrington (co-supervised with Thomas Seiler)
2022–2025	Emile Oleon
2020–2023	Aly-Bora Ulusoy (co-supervised with Emmanuel Haucourt)
2017–2020	Thibaut Benjamin (co-supervised with Eric Finster)
2017–2020	Simon Forest (co-supervised with Yves Guiraud)
2017–2020	Cédric Ho Tanh (co-supervised with Pierre-Louis Curien)
2016–2019	Jérémy Ledent (co-supervised with Éric Goubault)

Other students

Chamoun Yorgo (2022-2023, M1 research project), Emile Oleon (2021, M2 internship), Aly-Bora Ulusoy (2020, M2 internship), Peixin You (2022, bachelor thesis), Peixin You (2021, bachelor research project), Sébastien Draux (2021-2022, M1 research project), Guillaume Paya-Monet (2020, bachelor thesis), Klara Nosan (2019-2020, M1 research project), Eric Finster (2015-2016, post-doc), Cinzia Di Giusto (2012-2013, post-doc), Paul-Elliot Angles d'Auriac (2012, M1 internship), Tobias Heindel (2011-2012, post-doc)

Service to the research community

PC	MFPS 2023, IWC 2021, FoSSaCS 2021, SYCO 2019, ACT 2019, SYCO 2018, HDRA 2018, IWC 2018, CALCO 2017, HDRA 2017, HDRA 2016, HDRA 2015 (co-creator of the workshop), IWC 2015, JFLA 2013
PhD com.	Cameron Calk (2022), Antonin Delpeuch (reviewer, 2022), Chaitanya Leena Subramaniam (2021), Zeinab Galal (2021), Léonard Guetta (2021), Jules Chouquet (reviewer, 2019), Clement Jacq (2019), Marie Kerjean (2018), Clovis Eberhart (reviewer, 2018), Matteo Acclavio (reviewer, 2016), Nohra Hage (reviewer, 2016), Fabio Zanassi (2015)
Reviews	LICS, CONCUR, ESOP, FOSSACS, SAS, MFPS, JFLA, APLAS, FSCD, RTA, HSCC, QPL, NFM, HDRA, TCS, ANR projects, HCERES evaluations
Responsibilities	Head of the Cosynus team (since 2016) Member of the office commission (since 2017) Responsible for 3rd year in CS at École Polytechnique (since 2018) Responsible for the <i>Foundations of computer science</i> IPP M1 (since 2020) Vice-president of the department (2020-2023)

Computer skills

Languages	OCaml, C, Agda, Java, Python, javascript, HTML, CSS
Other	Developing free software (Liquidsoap), former Debian developer

Miscellaneous

Languages	French (mother tongue), English (fluent), Italian (notions), German (notions), Korean (notions)
Hobbies	Piano (playing in a band)