

Samuel MIMRAM

French nationality

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Driving license



Research topics

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

Education and positions

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| 2016 | Habilitation à diriger des recherches |
| 2014–... | 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) |
| 2009 | Qualification aux fonctions de maître de conférences |
| 2005–2009 | PhD thesis in PPS team (CNRS / Université Paris Diderot) <i>Sémantique des jeux asynchrones et réécriture 2-dimensionnelle</i> advisor: Paul-André Mellès |
| 2004–2005 | Master Parisien de Recherche en Informatique (eq. MSc), mention Très Bien (Université Paris 7) |
| 2003–2004 | Maîtrise d'informatique, mention Bien (ÉNS Lyon) |
| 2002–2003 | Licence d'informatique (eq. BSc), mention Très Bien (ÉNS Lyon) |
| 2002 | Admission to École Normale Supérieure de Lyon (ÉNS Lyon) with specialty in computer science |
| 2000–2002 | Classes préparatoires in mathematics (MPSI/MP), with specialty in computer science (Lycée Henri IV, Paris) |
| 2000 | Baccalauréat S (eq. A-level), with specialty in mathematics, mention Bien (Lycée Carnot, Paris) |

Participation to research projects

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| 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

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| 2015–2017 | Maître de conférences at École Polytechnique: <i>Fondements de l'Informatique: logique, modèles, calculs</i> (INF412) <i>Programmation d'applications concurrentes et distribuées</i> (INF431) <i>Programmation avancée</i> (INF441) |
| 2009–2017 | <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) |

Students supervision

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| 2017–2020 | Cédric Ho Tanh (PhD thesis, co-supervised with Pierre-Louis Curien) |
| 2016–2019 | Jérémy Ledent (PhD thesis, co-supervised with Éric Goubault) |
| 2015–2016 | Eric Finster (post-doc) |
| 2012 | Cinzia Di Giusto (post-doc) |
| 2012 | Paul-Elliot Angles d'Auriac (master 1 internship) |
| 2011–2012 | Tobias Heindel (post-doc) |

Service to the research community

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| PC | CALCO 2017, HDRA 2017, HDRA 2016, HDRA 2015 (co-creator of the workshop), IWC 2015, JFLA 2013 |
| PhD com. | 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 |
| Seminars | Head of the Cosynus team, organizer Cosynus seminar |

Computer skills

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| Languages | OCaml, C, Java, Python, HTML, javascript, agda, COQ |
| Other | Developing free software (Liquidsoap, . . .), Debian developer |

Miscellaneous

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