

Marc Schoenauer

TAU team, INRIA Saclay Île-de-France

Marc.Schoenauer@inria.fr

Sept. 2020 – details and links at <http://www.lri.fr/~marc>

Education

- 1997 : *Habilitation à Diriger des Recherches* (HDR) in **Computer Science** at Université Paris-Sud
- 1980 : *Thèse de 3ème cycle* in **Applied Maths** at Université Pierre et Marie Curie (Paris 6)
- 1977 : *Agrégation de Mathématiques*
- 1975–1979 : *Ecole Normale Supérieure*, rue d’Ulm

Positions

- **Current** Principal Senior Researcher (DR1 since 2007) with Inria Saclay, co-leading the TAU (ex-TAO) team (Machine Learning and Optimization) with Michèle Sebag since 2003.
- **2001-2003** Senior Researcher (DR2) with Inria Paris-Rocquencourt, project-team *Fractales*.
- **1980-2001** Junior Researcher (CR) with CNRS at CMAP-Ecole Polytechnique. Co-Head of the Inverse Problem and Optimisation group (LMS/CMAP) with Michèle Sebag
- **1990-2004** Part-time Assistant Professor at Ecole Polytechnique, Applied Maths Dept.

Awards

- ACM-SIGEVO **10-years Impact Award 2018** (from all papers published in GECCO 2008).
- **Winner**, *Open Algorithm Selection Challenge 2017* (w. F. Gonard); *Black-Box Optimization Competition* at ACM-GECCO, 1-objective track, 2017 and 2018, expensive opt., 2018 (w. N. Belkhir); *7th Intl Planning Competition* (Deterministic Temporal Satisficing track) 2011 (w. J. Bibai).
- **Best paper Awards** at ACM-GECCO 2015 (GP track), PPSN 2014, EvoBIO 2009, LION 2009.
- **Silver Medal**, Humies Awards, ACM-GECCO 2010.
- **Outstanding Contribution to Evolutionary Computation**, EvoStar 2008.
- **Senior Fellow**, ISGEC (International Society for Genetic and Evolutionary Computation), 2004.

Publications

More than 30 journal papers, 17 book chapters, and 170 peer-reviewed conference papers in the fields of Evolutionary Computation and Machine Learning, including ACM-GECCO, PPSN, IEEE CEC, EvoStar in EC, and NeurIPS, IJCAI, ICML, ECML, ICAPS, and CP in ML/AI. List at <http://www.lri.fr/~marc>.

TAO/TAU Technological Transfer (i.e., with Michèle Sebag)

Either through bilateral contracts, or within collaborative projects, : IFP-EN, Renault, PSA, EADS, Thalès, SNCF, EZCT, RTE, Artelys, Orange, Atos-Bull, EXQIM, AIRBUS, Dassault Systems, Qapa, Digital Mental Health, TNO.

Supervision (Co-)Supervision of 32 PhD students

Journal Editing Responsibilities

- **Editor in Chief** (2002-2009), *Evolutionary Computation* (MIT Press). Now on Advisory Board.
- **Editorial Board/Area Editor**, *Journal of Machine Learning Research* (since 2013); *Journal of Genetic Programming and Evolvable Machines* (2000-2016), now Advisory Board; *IEEE Transactions on Evolutionary Computation* (1996-2003); *Applied Soft Computing* (2000-2012); *Journal of Heuristics* (1999-2005); *Theoretical Computer Science-C* (2003-2007).
- **Editorial Committee**, *Natural Computing Series*, (since 1999); *Mathématiques et Applications* – SMAI (Applied and Industrial Mathematical Society) (2001-2004).

Collective Responsibilities

- Member of Scientific Councils of IFPEN and Mines ParisTech (both since 2020).
- Deputy Director of Research at Inria, in charge of AI matters (since 2019).
- *Délégué Scientifique* (aka Vice-Pdt for Research), Inria Saclay (2010-2016).
- Chair, ACM-SIGEVO (since 2015, Exec Board member since 2007).
- Steering Committee, PPSN (since 1998) and LION (since 2006) conferences.
- Founding President, *Evolution Artificielle* (1995-2003, now on Advisory Board).
- President AFIA (French AI society) (2002-2005, Exec Committee 1998-2011).
- Chair, Evaluation Committee, ANR program SYSCOMM (2008-2010).
- Program Committee of all major conferences in EC and ML.