Marc Schoenauer

TAU team, INRIA Saclay Île-de-France

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Sept. 2023 – 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)
— 1975–1979 : *Ecole Normale Supérieure*, rue d'Ulm (1977 : *Agrégation de Mathématiques*)

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. Bibaï).
— **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 190 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 40 PhD students

Journal Editing Responsiblities

— **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 (since 2020) and Mines ParisTech (since 2020).
— Deputy Director of Research at Inria, in charge of AI matters (since 2019).
— *Délégué Scientifique* (aka VP Research), Inria Saclay (2010-2016).
— Chair, ACM-SIGEVO (2015-2019, 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.