# OLIVIER LEDOIT

French Citizen

**Professional Experience**

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|---|---|
| 2011-Present | Visiting Professor of Finance, HEC Business School, Paris, France |
| 2011-Present | Advisory Board, Systematic Trading Group, Credit Suisse Asset Management |
| 2011-Present | Executive Board, Swiss Gold Franc Association, http://www.goldfranc.org |
| 2008-Present | Permanent Research Fellow, Department of Economics, University of Zurich |
| 1999-2008 | Managing Director, Head of Statistical Arbitrage, Proprietary Trading, Credit Suisse, London |
| 1995-1998 | Tenure-Track Finance Professor, Anderson School of M$^{gmt}$, Univ. California Los Angeles |
| 1987-1988 | Second Lieutenant, 24$^{th}$ Marine Corps, Perpignan, France |

**Education**

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| 1991-1995 | Finance Ph.D., Sloan School of Management, Massachusetts Institute of Technology, Cambridge<br>Advisor: Andrew Lo; Tenure-track job offers upon graduation: Chicago, Wharton, Yale, UCLA |
| 1990-1991 | M.Sc. in Statistics and Economics, Ecole Nat. de la Statistique et de l'Administration Economique |
| 1988-1990 | B.Sc., Ecole Polytechnique, Paris; Ranked 3$^{rd}$ in nationwide entrance competition |
| 1985-1987 | Undergraduate-level preparation to enter engineering schools, Maths major, Louis-le-Grand, Paris |

**Awards**

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| 2011 | Biography listed in Who's Who in the World |
| 1999 | Annual Prize awarded by the UK Institute for Quantitative Investment Research |
| 1997 | Roger F. Murray Prize from the "Q Group" (quantitative U.S. money managers) |

**Interests** Probability Theory, Econometrics, Finance, Bubbles, Monetary Economics, Political Economy

**Selected Publications**

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| 2011 | "Eigenvectors of some large sample covariance matrix ensembles" with S. Péché, *Probability Theory and Related Fields*, 150(2) |
| 2010 | "Using Central Limit Theorems for Dependent Data" with T. Crack, *J. Financial Education*, 36(1) |
| 2008 | "Robust performance hypothesis testing with the Sharpe ratio" with M. Wolf, *Journal of Empirical Finance* 15(5) |
| 2002 | "Some Hypothesis Tests for the Covariance Matrix When the Dimension Is Large Compared to the Sample Size" with M. Wolf, *Annals of Statistics* 30(4) |
| 2001 | "Gain, Loss and Asset Pricing," with A. Bernardo, *Journal of Political Economy* 108(1) |
| 1999 | "Predicting Financial Crashes using Discrete Scale Invariance" with A. Johansen and D. Sornette, *Journal of Risk* 1(4) |
| 1996 | "Robust Structure Without Predictability: The 'Compass Rose' Pattern of the Stock Market" with T. Crack, *Journal of Finance* 51(2) |

**Recent Seminars and Conference Presentations**

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| 2011 | Political Science Seminar, University of Cologne and ETH Zürich |
| 2011 | Opening Speaker, Conference on *Asset and Risk Management in the Aftermath of the Financial Crisis*, celebrating the HEC (Hautes Etudes Commerciales) Lausanne centennial |
| 2010 | Macro-Finance-Labor Seminar, University of Zurich |
| 2009 | Joint Finance Seminar, HEC & Ecole Polytechnique Fédérale Lausanne (EPFL) |

**Recent Referee Reports**

*Econometrica, Review of Financial Studies, Journal of the Royal Statistical Society B, Journal of Multivariate Analysis, J. Empir. Finance, Eur. J. Finance, IEEE T. Signal Proces., Oper. Research, SIAM J. Financial Math.*

**Recent Committee Service**

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| 2009-Present | Recruiting Committe, Finance Department, HEC Lausanne |
| 2008-Present | Steering Committee, Master in Financial Engineering, EPFL |

**Hobbies** Biodiversity**,** driving fast cars on open roads, the works of Jacques Ellul