

Vianney Perchet

Professor, CREST – ENSAE Paris
Distinguished Researcher, Criteo AI Lab
Co-lead, FairPlay · Co-director, MScT MaQI

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WORK EXPERIENCE

- 2026–** **Co-director**, MScT AI for Markets and Quantitative Investment (MaQI), École Polytechnique & ENSAE Paris.
- 2019–** **Professor**, CREST, ENSAE Paris, Statistics and Economics Department. Co-lead of the FairPlay joint team (Criteo · Inria · IP Paris).
- 2017–** **Distinguished Researcher**, Criteo AI Lab, Paris (part time).
- 2016–2019** **Professor**, CMLA, ENS Paris-Saclay, Applied Maths Department. Head of Maths Department (2017–2019).
- 2015–2016** **Professor**, CREST, ENSAE Paris, Statistics and Economics Department.
- 2014–2015** **Researcher**, INRIA, Sierra team, ENS Paris.
- 2011–2015** **Maître de Conférences**, Université Paris Diderot – Paris 7.

EDUCATION

- 2014** **Habilitation**, *Online Learning, Statistical Games and Game Theory*, Université Paris Diderot.
- 2006–2010** **Doctorate**, *Approachability, Calibration and Regret in Games with Partial Monitoring*, Université Pierre et Marie Curie.
- 2002–2006** **École Normale Supérieure**, Paris.

GRANTS & AWARDS

- 2026** **Google Award**.
- 2025** **Synergy Fellowship**, Hi! PARIS.
- 2013 / 2018 / 2023** **ANR grants** (3): GAGA (2013), BOLD (2018), DOOM (2023).
— **CIFRE contracts** (7): Criteo (x2), Meta, Aneo, Footovision, EDF, CDiscount.

SUPERVISION

- PhD — current (9)** M. Potfer, C. Pla, M. Tullii, T. Gaboriaud, R. Verronneau, G. Montanari, N. Esandi, I. Zaakour, L. Zanela.
- PhD — graduated (17)** M. Liu, C. Fiegel, M. Cherifa, M. Molina, Z. Benomar, S. Ilandarideva, H. El Ferchichi, R. Ouhamma, F. Sentenac, F. Jarboui, E. Garcelon, E. Boursier, X. Fontaine, T. Nedelec, M. Jedor, P. Perrault, R. Degenne.
- Postdocs — current (2)** B. Vieille, J. Kim.
- Postdocs — past (7)** T. Le Garrec (CTO, Bifröst), N. Merlis (Prof., Technion), D. Baudry (CR, Inria), S. Gaucher (Prof., École Polytechnique), A. Azize (Prof., TSE), F. Garrido (Prof., Toulouse), H. Richard (Researcher, Criteo).

COMMITTEES

- 2015–2022** **Habilitation**, 6 juries: Valko, Loiseau, Maillard, Simonetto, Feraud, Dieuleveut.
- 2015–2022** **Ph.D.**, 36 juries: Mazraeh, Kwon, Contal, Cauwet, Guillou, Mrabet, Grant, Besson, Vu, Achab, Cohen, Alami, Cuvelier, Hadiji, Motte, Gauthier, Dakdouk, Achdou, Baudry, Bismuth, Muller, Gaucher, Rizk, Croissant, Barrier, de Montbrun, Diallo, Akhavanfoomani, Ragel, Cosson, Xevteris, Misra, Howson, Kone, Morri, Zhang, Marthe.

EDITORIAL ACTIVITY & SCIENTIFIC SERVICE

- 2021–** **President of the Scientific Committee**, PGMO (Programme Gaspard Monge pour l'Optimisation).
- 2015–** **Associate Editor**: Journal of Machine Learning Research; Foundations and Trends in Machine Learning; Operations Research; Journal of Dynamics and Games; Operations Research Letters.
- 2015–** **Program Committees**: Senior Area Chair (NeurIPS, EC, ICML, COLT); Area Chair (ICLR, ALT).

SELECTED PUBLICATIONS SINCE 2022

- ICML'26** Adaptive Bandit Algorithms for Contextual Matching Markets, with S. Lin, S. Mauras, N. Merlis.
- ICML'26** Online Packet Scheduling with Deadlines and Learning, with G. Genalti, A. Azize.

- EC'26** Prophet Inequalities under Local Differential Privacy, with M. Molina, H. Richard, A. Azize.
- ICLR'26** Contextual Multi-Armed Bandits with Minimum Aggregated Revenue Constraints, with A. Ben Yahmed, H. El Ferchichi, M. Abeille.
- ICLR'26** Learning in Prophet Inequalities with Noisy Observations, with J. Kim.
- MOR'26** Online Matching in Geometric Random Graphs, with F. Sentenac, N. Noiry, M. Lerasle, L. Ménard, Mathematics of Operations Research.
- NeurIPS'25** Comparing Uniform Price and Discriminatory Multi-Unit Auctions through Regret Minimization, with M. Potter.
- NeurIPS'25** The Price of Opportunity Fairness in Matroid Allocation Problems, with R. Castera, F. Garrido-Lucero, P. Loiseau, S. Mauras, M. Molina.
- NeurIPS'25** Stable Matching with Ties: Approximation Ratios and Learning, with S. Lin, S. Mauras, N. Merlis.
- PTRF'25** Optimal Unimodular Matchings, with N. Enriquez, M. Liu, L. Ménard, Probability Theory and Related Fields.
- ICML'25** Pareto-Optimality, Smoothness, and Stochasticity in Learning-Augmented One-Max-Search, with Z. Benomar, L. Croissant, S. Angelopoulos.
- SODA'25** Prophet Inequalities: Competing with the Top- ℓ Items is Easy, with M. Molina, N. Gast, P. Loiseau.
- ICLR'25** Feature-Based Online Bilateral Trade, with S. Gaucher, M. Bernasconi, M. Castiglioni, A. Celli.
- NeurIPS'24** Lookback Prophet Inequalities, with Z. Benomar, D. Baudry.
- NeurIPS'24** Improved Algorithms for Contextual Dynamic Pricing, with M. Tullii, S. Gaucher, N. Merlis.
- NeurIPS'24** Local and Adaptive Mirror Descents in Extensive-Form Games, with C. Fiegel, P. Ménard, T. Kozuno, R. Munos, M. Valko.
- JMLR'24** A Survey on Multi-Player Bandits, with E. Boursier, Journal of Machine Learning Research.
- OR'24** An Algorithmic Solution to the Blotto Game Using Multimarginal Couplings, with P. Rigollet, T. Le Gouic, Operations Research (prelim. version: EC'22).
- NeurIPS'23** Trading-off Price for Data Quality to Achieve Fair Online Allocation, with M. Molina, N. Gast, P. Loiseau.
- ICML'23** On Preemption and Learning in Stochastic Scheduling, with N. Merlis, H. Richard, F. Sentenac, C. Odic, M. Molina.
- ICML'23** Adapting to Game Trees in Zero-Sum Imperfect Information Games, with C. Fiegel, P. Ménard, T. Kozuno, R. Munos, M. Valko.
- NeurIPS'22** Active Labeling: Streaming Stochastic Gradients, with V. Cabannes, F. Bach, A. Rudi.
- OR'22** Revenue-Maximizing Auctions: A Bidder's Standpoint, with T. Nedelec, C. Calauzènes, N. El Karoui, Operations Research.
- FnT'22** Learning in Repeated Auctions, with T. Nedelec, C. Calauzènes, N. El Karoui, Foundations and Trends in Machine Learning.

HOBBIES

- 1999–** **Handball**, playing at regional and national level; French national cup winner 2022 with US Palaiseau (final at the Accor Arena, Bercy).

Complete publication list: [Google Scholar](#) · [vianney.ai](#)