

Jean Ponce: Curriculum vitae

Education

1988: Doctorat d'Etat, Computer Science, University of Paris Orsay.

1983: Doctorat de Troisième Cycle, Computer Science, University of Paris Orsay.

1978–1982: Ecole Normale Supérieure de l'Enseignement Technique, Mathematics.

Positions

2023–: Co-founder and CEO of **Enhance Lab** (<https://enhancelab.fr/>), a startup that commercializes software for super-resolution and high dynamic range imaging from raw image bursts.

2023–: Professor, Department of Computer Science, **Ecole Normale Supérieure** and Global Distinguished Professor at the Courant Institute of Mathematical Sciences and the Center for Data Science (CDS) at **New York University**.

2017–2022: Research Director, Inria (on leave from ENS) and Visiting Faculty, CDS/NYU.

2006–2017: Professor, Department of Computer Science, ENS.

1990–2006: Tenure-track Faculty Member, Department of Computer Science and Beckman Institute, University of Illinois at Urbana-Champaign (UIUC). (Full Professor, 1998–2006.)

1985–1989: Research Associate, Stanford University Robotics Laboratory. (Sr. Res. Associate, 1989.)

1984–1985: Visiting Scientist, MIT Artificial Intelligence Laboratory.

1982–1985: Research Scientist, Inria.

Institutional responsibilities

2025–: Associate Director for Research, Prairie-PSAI AI Cluster (<https://prairie-psai.fr/>).

2019–2024: Scientific Director and Co-Founder, Prairie 3IA Institute (<https://prairie-institute.fr/>).

2011–2017: Head of the ENS Computer Science Department (<https://www.di.ens.fr/>).

2011–2016: Member of the founding Executive Board of PSL University (<https://psl.eu/>, 2011), of its Research Council (2012-2014) and its Research Council Bureau (2015-2016) .

2007–2021: Founder and Head of the Willow Inria/ENS/CNRS team (<http://www.di.ens.fr/willow/>).

Fellowships and awards (partial list)

2025: Best Student Paper to E. Vincent, J. Ponce and M. Aubry, EarthVision CVPR Workshop.

2024: J2C Certification awarded to TMLR paper by A. Bardes, Q. Garrido, J. Ponce, X. Chen, M. Rabbat, Y. LeCun, M. Assran, N. Ballas.

2023–: Member, Academia Europaea

2020: IEEE CVPR Longuet-Higgins Prize to Y. Furukawa and J. Ponce.

2019: ICML Test-of-Time Award to J. Mairal, F. Bach, J. Ponce and G. Sapiro.

2019: ELLIS Fellow.

2016: IEEE CPVR Longuet-Higgins Prize to S. Lazebnik, C. Schmid and J. Ponce.

2012–2017: Sr. Member, Institut Universitaire de France.

2009: Best Student Paper - Honorable Mention to O. Duchenne, F. Bach and J. Ponce, CVPR.

2003: IEEE Fellow. t

Publications

Publications in all the major international conferences and journals of computer vision, computer graphics, machine learning, and robotics, including 1 book (2 editions, translated in Chinese, Japanese, and Russian), 1 monograph, 3 edited collections, 61 articles in international journals, 157 papers in peer-reviewed international conferences. Citations: 66,561 with 13 articles having at least 1000 citations. H-index: 88 (source: Google Scholar).

Patents

2024: “Dispositif et procédé de formation d’une image à faible niveau de bruit à partir d’une rafale d’images”, B. Lecouat, J. Mairal and J. Ponce, French patent FR2207574.

2012: “Match, expand, and filter technique for multi-view stereopsis”, Y. Furukawa and J. Ponce, US patent #8,331,615.

2003: “Automated reconfigurable object manipulation device with an array of pins”, S. Akella, S. Blind, C. Mc Cullough, and J. Ponce, US patent # 6,633,797.

PhD student supervision: 24 former PhD students and 4 current ones. Former PhD students include S. Sullivan, CEO of Arcturus, former STO of Lucasfilm, recipient of 3 Academy Awards; S. Lazebnik, Professor, UIUC, IEEE Fellow, recipient of the 2016 Longuet-Higgins prize; Y. Furukawa, Principal Scientist, Wayve and Associate Professor, Simon Fraser University, recipient of the 2020 Longuet-Higgins prize; J. Mairal, Research Scientist, Inria, recipient of ERC Starting (2017) and Consolidator (2023) Grants, the Young Researcher Awards from IEEE PAMI and Inria - Académie des Sciences, and the 2019 ICML Test-of-Time Award; Y.-L. Boureau, CEO of ThrivePal, former Director of FAIR for Montréal and New York; Armand Joulin, Distinguished Scientist, Google Deepmind, former Director of FAIR for Europe.

Postdoctoral fellow supervision: Former post-docs include N. Cherniavsky Durand, Assistant Professor, Baylor College of Medicine; M. Cho, Associate Professor, POSTECH; T. Cour, Sr. Machine Learning Engineer, Lighthouse AI; O. Flasseur, Research Scientist, CNRS; B. Ham, Assistant Professor, Yonsei University; H. Kong, Associate Professor, University of Macau; B. Russell, Research Scientist, Adobe; J. Sun, Professor, XJTU; J. van Gemert, Assistant Professor, TU Delft.

Teaching activities: 10 different classes taught since 1990 at ENS, ENS Paris-Saclay, NYU, UIUC, University of Paris, including 1 for sophomores (Intro. to scientific computing), 1 for second-year medical students (Intro. to computer vision), 6 for seniors (Intro. to artificial intelligence, Intro. to computer graphics, Intro. to computer vision, Computer aided geometrid design, Nonlinear computational geometry), and 3 for graduate students (Category-level object recognition, Geometry and computer vision, Robot motion planning).

Organisation of scientific meetings (partial list)

2023: General Chair, International Conference on Computer Vision, Paris.

2018-2021: Co-Organizer, Prairie Summer School on Artificial Intelligence.

2008: General Chair, European Conference on Computer Vision

2003-2006: Chair, Int. Workshop on Object Recognition.

2000: General Chair, IEEE Conference on Computer Vision and Pattern Recognition.

1997: Program Chair, IEEE Conference on Computer Vision and Pattern Recognition.

Editorial boards

2019–2022: Sr. Editor-in-Chief, Int. Journal of Computer Vision (Editor-in-Chief, 2003–2008).

2010–2011: SIAM Journal of Imaging Science.

2005–: Foundations and Trends of Computer Graphics and Vision.

1998-2001: IEEE Transactions on Robotics and Automation.

1994-2000: Computer Vision and Image Understanding.

Advisory and review boards

- Scientific advisory boards: ONERA AI Lab (2023–), IBM Watson AI Xprize (2017–); France is AI (2017); France Télécom (2001–2004); Electricité de France (1998–2002).

- Review boards: ERC Advanced Grants PE6 Review Panel (2022-2025); Head AERES Review Board for CMLA Laboratory, Ecole normale supérieure, Cachan (2014); EST-FCT Review Panel for Portuguese Engineering Science R&D Units (2014); AERES Review Board for Mathematics and Systems Laboratory, Ecole des Mines (2013).

Grants (2006–)

2019–2024: Co-PI (with Isabelle Ryl) of the Prairie-PSAI AI Cluster project (75M€ over 5 years).

2019–2024: PI (with Isabelle Ryl) of the Prairie 3IA project (> 10M€ per year).

2017-2024: PI, Louis Vuitton/ENS Chair in Artificial Intelligence (200K€ per year).

2011–2016: ERC Advanced Grant VideoWorld (2.5M€).

2010: Main contributor for Computer Science to PSL IDEX proposal (2011–, > 25M€ per year).

2006–2017: About 750K€ from ANR, DGA and industry at ENS.