CV

Jean-Pierre BRIOT

Basic Informations

Birth	1st June 1957, Boulogne-Billancourt (92), France
Nationality	French
Position	CNRS Emeritus Research Director (DR1)
Speciality	Computer Science
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Research Lab	LIP6, CNRS – Sorbonne Université
	4 place Jussieu, 75005 Paris, France

Degrees

1989 "Habilitation à diriger des recherches" in computer science, Université Pierre et Marie Curie (UPMC), Paris, France.

1984 3rd Cycle Doctorship (PhD) in computer science, IRCAM–UPMC, Paris, France.

1980 Maîtrise (Master) in mathematics, UPMC, Paris, France.

Research Positions

[March 2023–now] CNRS Emeritus (Retired) Research Director CNRS, LIP6, Paris, France.

[1999–2023] CNRS Research Director (DR1 – First Class, since 2016), LIP6, Paris, France.

[1986–1999] CNRS Researcher (Chargé de recherche), LIP6, Paris, France.

Visiting Research Positions

[July 2021–now] : **Honorary Visiting Professor**, Pontifícia Universidade Católica do Rio de Janeiro (PUC-Rio), Brazil.

[May 2018–May 2020] : **Visiting Professor**, Universidade Federal do Estado do Rio de Janeiro (UNIRIO), Brazil. (UNIRIO/CAPES PVE position).

[July 2015–February 2017] Visiting Researcher, Dept. of Computer Science, PUC-Rio, Brazil. (FAPERJ and CAPES Visiting Researcher fellowships).

[July 2005–June 2007] Visiting Researcher, Dept. of Computer Science, PUC-Rio, Brazil. (CNPq Visiting Researcher fellowship).

[November 2001–January 2002] Visiting Professor, Dept. of Social Informatics, Kyoto University, Japan. (Kyoto University fellowship).

[March–May 2001] Visiting Researcher, Dept. of Social Informatics, Kyoto University, Japan. (JSPS Visiting Researcher fellowship).

[September-October 1999] Visiting Researcher, University of Illinois at Urbana-Champaign (UIUC), USA. (CNRS-UIUC International Cooperation Program support).

[October 1992–February 1996] Visiting Researcher, Dept. of Information Science, Tokyo University, Japan. (CNRS support).

[January–May 1991] Visiting Researcher, University of Southern California (USC), Los Angeles, USA. (USC support).

[December 1988–May 1990] Research Engineer, Rank Xerox France, La Défense. (Rank Xerox support)

[December 1986–May 1987] Visiting researcher, Research Institute for Mathematical Studies (RIMS), Kyoto University, Japan.

[October 1985–September 1987] Visiting Researcher (Postdoc), Dept. of Information Science, Tokyo Institute of Technology, Japan. (French Postdoc fellowship).

International Relations Positions

[January 2010–December 2014] Head (and Creator) of CNRS-Brazil Permanent Representation Office, Rio de Janeiro, Brazil.

[October 1992–September 1995] "Chargé de mission" for CNRS Sciences pour l'Ingénieur Dept. to CNRS-Japan Permanent Representation Office, Tokyo, Japan.

Scientific Topics

Has worked on various topics during his career: programming language design; meta-level and reflexive systems; computer music; concurrent and distributed programming; artificial intelligence; multi-agent systems; fault-tolerance; decision support systems; collaborative systems; serious games; internet of things; machine learning; computer creativity.

Current topic of interest: AI and deep learning techniques for music creation and co-creation and interactive storytelling.

Scientific Production Summary

- 28 articles in scientific journals.

- 19 articles in information journals.

- 13 invited conferences.

- 117 communications in conferences and workshops.

- 1 book.

- 7 books edited.

- 36 book chapters.

- 4 journal special issues edited.

- 2 conferences proceedings edited.

- more than 100 invited talks in research seminars or panels.

- 36 research reports (laboratory or open access).

- h index = 32 (Google Scholar – 27/01/2024)

Research Management

- Scientific adviser of: 7 "habilitations à diriger des recherches", 29 PhDs and 21 Masters.

- *[1996–2005]* Head of Objects and Agents for Simulation and Information Systems (OASIS) Research Department, LIP6 (>60 researchers).

- *[2002–2005]* Member of Scientific Direction, LIP6.

- *[1998–2005]* Member of Scientific Council, LIP6.

- Head of > 30 research projects (Europe, industry, international cooperation...). (ex : Ingénierie Ecologique CNRS-IRSTEA, Action Spécifique STIC CNRS, ANR, ARCUS, CIFRE, ESPRIT, RNTL, PREDIT).

Committees

- Member of 17 Habilitation à diriger des recherches defense committees (13 as reviewer, 4 as examiner).

- Member of 97 PhD defense committees (20 as president, 33 as reviewer, 42 as examiner, 2 as invited).

- Member of 8 university recruitment committees, for: Université Pierre et Marie Curie (UPMC), Paris; Université d'Evry, Evry; Université de la Réunion, Saint-Denis; France; Instituto de Matemática e Estatística da Universidade de São Paulo (IME-USP), São Paulo, Brazil.

- Member of other institutions recruitment committees, for: Institut de Recherche et Coordination Acoustique/Musique (IRCAM), Paris; Centre National de la Recherche Scientifique (CNRS), Meudon; Institut National de Recherche en Informatique et en Automatique (INRIA), Sophia Antipolis; France; Colégio Brasileiro de Altos Estudos (CBAE-UFRJ), Rio de Janeiro, Brazil.

- Member of 8 scientific evaluation committees, for: Commission d'évaluation des chercheurs du développement durable (COMEVAL), Ministère de la transition écologique et solidaire, Marne la Vallée; Institut National de Recherche sur les Transports et leur Sécurité (INRETS), Arcueil; École des Mines de Douai, Douai; Conseil consultatif régional de la recherche en Ile de France (CCRRESTI), Région Ile de France; Pôle régional de modélisation, Région Picardie; Programme interdisciplinaire CNRS "Robotique et entités artificielles (Robea)"; France.

- Evaluator of more than 40 projects, for: Institut National de Recherche en Informatique et en Automatique (INRIA); Projets Exploratoires PluridisciplinaireS (PEPS), Institut des Sciences et Technologies de l'Information et de l'Ingénierie (INST2I), CNRS; Réseau National de recherche et d'innovation en Technologies Logicielles (RNTL); Programme "Jeunes chercheurs"; Programme "blanc"; Action de Recherche Amont (ARA) Masses de Données : Modélisation, Simulation et Applications (MDMSA); Agence Nationale de la Recherche (ANR); Domaine d'Intérêt Majeur (DIM), Région Ile de France; Région Aquitaine; Région Languedoc-Roussillon; Pôle régional de modélisation, Région Picardie; Programme de recherche interdisciplinaire Convergence, Sorbonne Universités, Paris; Programme Emergence(s), Direction du Développement économique, de l'Emploi et de l'Enseignement supérieur, Paris; Programme Security and Efficiency of new practices in e-COMmerce for all socio-economic actors (SECOM), Fonds National de la Recherche, Luxembourg; Center for Advanced Studies, Research and Development in Sardegna (CSS4), Italy; Digital Humanities: New Potentials through Artificial Intelligence in the Humanities, Cultural Studies and Social Sciences Program, Austrian Academy of Sciences, Austria; Spark Program (Rapid funding of unconventional ideas), Swiss National Science Foundation (SNSF), Switzerland; Program GLANCE (GLobAl computer scieNCE) on fundamental research in large-scale parallel and distributed systems; Program Physical Sciences Free Competition, Netherlands Organisation for Scientific Research (NWO), The Netherlands; Discovery Grant Program, Natural Sciences and Engineering Research Council of Canada (NSERC), Canada; Programme de recherche en équipe; Programme Établissement de nouveaux chercheurs, Fonds de recherche sur la nature et les technologies, Québec, Canada; Fondo Nacional de Desarrollo Científico y Tecnológico (FONDECYT), CONYCIT, Chile; Programme ECOS-Sud (Evaluation-orientation de la COopération Scientifique – Argentina - Chile - Uruguay); Programme ECOS-Nord (Evaluation-orientation de la COopération Scientifique – Colombie - Mexique - Venezuela); Centre Franco-Indien pour la Promotion de la Recherche Avancée (CEFIPRA).

- Member of 130 conferences scientific program committees, including: Autonomous Agents and Multiagent Systems International Conference (AAMAS); European Conference on Object-Oriented Programming (ECOOP); IEEE International Con-

ference on Semantic Computing (ICSC); IEEE International Symposium on Leveraging Applications of Formal Methods, Verification and Validation (ISOLA); IEEE International Conference on Engineering of Complex Computer Systems (ICECCS); ACM International Symposium on Applied Computing (SAC); ACM/IFIP/USENIX 8th International Middleware Conference (Middleware); International Conference on Web-based Modeling & Simulation (WebSim); Euro-Par Conference; International Conference on Technology of Object-Oriented Languages and Systems (TOOLS-Europe); International Conference on Principle and Practice of Multi-Agent Systems (PRIMA); EPIA Conference on Artificial Intelligence (EPIA); Annual International Conference on Digital Government Research (dg.o); Iberoamerican Conference on Artificial Intelligence (IBERAMIA); International Conference on Metavel Architectures and Separation of Cross-Cutting Concerns (Reflection); International Conference on Innovative Views of .NET Technologies (IVNET); International Conference on Social Science and Environmental Science (SSES); International Conference on Simulation Tools and Techniques (SIMUTools); International Conference on Artificial Intelligence in Music, Sound, Art and Design (EvoMUSART); Conference on AI Music Creativity (AIMC); International Conference on Culture and Computing (C&C); International MusMat Congress; Journées Francophones sur les Systèmes Multi-Agents (JFSMA 2003) (President); Colloque Langages et Modèles à Objets (LMO 2003) (President); Workshop on Parallel Languages, Programming, and High-Level Control, Euro-Par 96 (President).

- Member of 8 journals editorial boards, including: IEEE Concurrency; Journal of the Brazilian Computer Society (JBCS); Scientia; Brazilian Journal of Music and Mathematics (MusMat); Mediterranean Journal of Artificial Intelligence (MJAI); Revue des Sciences et Technologies de l'Information (RSTI); Revue d'Intelligence Artificielle (RIA); Revue nationale Information–Interaction–Intelligence (I3); L'Objet.

- Organizer of 17 scientific events, including: Workshop on AI for (Music and Games) Co-Creation (WAIC 2021); 11th Joint SMA/LIP6-NII WorkShop on Multi-Agent and Distributed Systems; Colloque Atelier Séminaire/Concert sur Informatique et Musique, Evénement officiel de l'Année de la France au Brésil 2009; 7th International Workshop on Programming Multi-Agent Systems (ProMAS 09); Workshop SimParc 07; ACAI'2001 Workshop on Adaptability and Embodiment using Multi-Agent Systems (AEMAS 01); 3rd International Conference on Metavel Architectures and Separation of Cross-Cutting Concerns (Reflection 2001); France-Japan Workshop on Distributed Objects and Agents (DOA 2000); 2nd France-Japan Workshop on Object-Based Parallel and Distributed Computing (OBPDC'97); France-Japan Workshop on Object-Based Parallel and Distributed Computation (OBPDC 95); Workshop on Reflection and Metalevel Architectures in Object-Oriented Programming, OOPSLA/ECOOP 90; Workshop on Object-Based Concurrency, ECOOP 89.

Courses

- 24 courses (as responsible), for: Université Pierre et Marie Curie (UPMC); Conservatoire National des Arts et Métiers (CNAM); Paris, France; Universidade Federal

do Estado do Rio de Janeiro (UNIRIO), Rio de Janeiro, Brazil; Institut Francophone d'Informatique (IFI), Hanoï, Vietnam.

Last one: "Aprendizagem profunda e geração de música", *Graduation and Post-Graduation in Informatics*, UNIRIO, Rio de Janeiro, Brazil, august–december 2019.

- Participation in 53 courses, for: Sorbonne Université (SU); Université Pierre et Marie Curie (UPMC); Université Paris Dauphine; Paris 8 University; Ecole Nationale Supérieure des Télécommunications (ENST); Ecole Centrale d'Electronique (ECE); Paris; Ecole Supérieure en Sciences Informatiques (ESSI), Sophia-Antipolis; Nantes University, Nantes; Institut de Mathématiques Appliquées (IMA), Angers; France; Ecole Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland; Pontifícia Universidade Católica do Rio de Janeiro (PUC-Rio); Universidade Federal do Estado do Rio de Janeiro (UNIRIO); Universidade Federal do Rio de Janeiro (UFRJ); Fundação Getúlio Vargas (FGV); Rio de Janeiro; Universidade de São Paulo (USP), São Paulo, Brazil; University of Southern California (USC), Los Angeles; University of Illinois at Urbana-Champaign (UIUC), Urbana-Champaign, USA; Kyoto University, Kyoto, Japan.

- 10 tutorials in international conferences: International Society for Music Information Retrieval Conference (ISMIR); Object-Oriented Programming, Systems, Languages & Applications (OOPSLA); European Conference on Object-Oriented Programming (ECOOP); Parallel Architectures and Languages Europe (PARLE); Technology of Object-Oriented Languages and Systems (TOOLS).

- 18 industrial training courses, for: Ecole Nationale Supérieure des Télécommunications (ENST); Société des Outils du Logiciel (SOL); Centre National d'Etudes Spatiales (CNES); Framentec; Complétive; Thomson; Cognitech; Bull, France.

Languages

french : native

english : fluent

portuguese (brazilian) : fluent

spanish : significant

japanese : spoken

german : read