

Vincent Hayward, Professeur, 1^{re} classe, section 61, Sorbonne Université, Institut des Systèmes Intelligents et de Robotique

Postes et formation

2019– Professeur, Sorbonne Université (demi-temps)
2017–18 Professor of Tactile Perception and Technologies, School of Advanced Study, University of London (demi-temps)
2017– Conseiller Scientifique, Actronika SAS, Paris (demi-temps)
2011–16 Professeur (mis à disposition en 2017 et 18) Institut des Systèmes Intelligents et de Robotique, Sorbonne Université
2008–11 Professeur (associé), Institut des Systèmes Intelligents et de Robotique, Université Pierre et Marie Curie (UPMC)
2006–10 Professor, Department of Electrical and Computer Engineering, McGill University, Montréal, Qc Canada
2006–07 Professeur Invité, Université Pierre et Marie Curie
2001–04 Director, Center for Intelligent Machines, McGill Univ., Montréal, Qc Canada
1989–06 Assistant then Associate Professor (tenured '94), Dept. of Elec. & Comp. Eng., McGill Univ., Montréal, Qc Canada
1983–85 Attaché puis Chargé de Recherche au Centre National de la Recherche Scientifique (CNRS)
1981–83 Visiting Scholar and Assistant Professor, Purdue University, School of Electrical Engineering, Indiana, USA
1978–81 Thèse de Docteur Ingénieur, Université de Paris XI at Orsay, France
1975–78 Diplôme d'Ingénieur, École Centrale de Nantes (alors ENSM), Nantes, France

Prix et distinctions sélectionnés parmi un total de 41 dans lesquels 12 « best paper » et « best demonstration awards »

2019 Keynote Speaker, International Conference on Virtual Rehabilitation, Tel Aviv, Israel
2019 Keynote Speaker, Workshop On Soft Haptic Interaction, Int. Conf. on Robotics and Automation, Montréal, Canada
2018 Keynote Speaker, Workshop on active touch for perception and interaction, ICRA 2018, Brisbane, Australia
2018 Keynote Speaker, Cross-Cutting Challenges, IEEE Haptics Symposium, San Francisco, CA, USA
2018 Keynote Speaker, UK & Ireland IEEE Robotics and Automation Conference, London, UK
2017 Plenary Speaker, 43rd International Conference On Micro And Nano-engineering, Braga, Portugal
2017 Keynote Speaker, IEEE/RSJ International Conference on Intelligent Robots and Systems, Vancouver, BC, Canada
2017 Leverhulme Trust Visiting Professorship, University of London
2016 Keynote Speaker, Handicap 2016, Paris, France
2014 Invited Speaker, AsiaHaptics 2014, Tsukuba, Japan
2013 Distinguished Lecture Series, Department of Computing Science, University of British Columbia, Canada
2012 Plenary Speaker IEEE Int. Conf. on Multisensor Fusion and Information Integration, Hamburg, Germany
2012 Conférencier, « Robotique, les fondations d'une discipline », Collège de France, Paris
2010 Keynote Speaker, Haptic Audio Interaction Design 2010, Copenhagen, Denmark
2010 Plenary Speaker, 32nd Annual Int. Conf. of the IEEE Engineering in Med. and Bio. Society, Buenos Aires, Argentina
2008 Fellow of the IEEE
2002 The E. (Ben) & Mary Hochhausen Award for Res. in Adaptive Technology For Blind and Visually Impaired Persons
2000 Distinguished Lecture Series, Department of Computing Science, University of Alberta, Canada
1991 NASA Space Act Tech Brief Award (as a result of work on robot programming for JPL)

Contributions à la recherche 100 articles de revues (*Nature* (2), *PNAS* (3), *Neuron* (1), *Current Biology* (2), *Royal Society Journals* (6), *Scientific Reports* (5), *Plos ONE*) 25 chapitres d'ouvrages, 160 articles de conférences, 30+ brevets, 60+ séminaires invités depuis 10 ans, h-index : 60 (Google Scholar), 38 (Scopus). De nombreuses mentions dans la presse, dont : *Wired Magazine* (2015), "Big Data : The Next Google" *Nature* Vol. 455 (2008), *The New Scientist*, ou *The Economist* (2007).

Subventions et contrats de recherche actifs

2019–22 *Innovative Network for Training in Touch Interactive Interfaces* H. Jörntell (Coordinator), R. Dahiya, V. Hayward, E. Burdet (PIs), plus 10 industry associates, H2020 Marie Skłodowska-Curie Innovative Training Networks (ITN).
2019–22 *Predictive Haptic Coding Devices in Next Generation Interfaces*. H. Jörntell (Coordinator), E. Burdet, R. Dahiya, V. Hayward (PIs), H2020 Research & Innovation FET-Open project.
2018–21 *Mixed Haptic Feedback for Mid-Air Interactions in Virtual and Augmented Realities*. M. J. Adams (Coordinator), S. A. Seah, V. Hayward, J. Hartcher-O'Brien, C. Pacchierotti (PIs), H2020 Research & Innovation FET-Open project.
2018–19 *Distal Projection of Tactile Sensations from Oculomotor Signals*, Research Contract, Oculus VR, V. Hayward.
2017–19 *Hand-to-Hand Remote Deafblind Tactile Communication*, Google Faculty Research Award, V. Hayward.
2016–20 *Developmental trajectories of sensorimotor control of mechanical tools*, L'Agence Nationale de la Recherche, A. Farné (Coordinator), A. Roy, V. Hayward, F. de Vignemont (PIs).

Enseignement (Université Pierre et Marie Curie)

2008–16 *Interfaces et réalité virtuelle + Haptics for rehabilitation + Asservissements numériques* (niveau M2).

Encadrement

En cours à l'Université de Londres : 1 Postdoc
En cours à Sorbonne Université : 3 Thèses, 2 Postdoc
Complétés à Sorbonne Université : 10 Postdocs ; 10 Thèses ; 11 Maîtrises ; 7 Ingénieurs d'études
Au Canada 6 Postdocs ; 17 Thèses ; 18 Maîtrises

Nombreuses autres activités dont, par exemple,

2010– Editorial Advisory Board Member, *Springer Series on Haptics and Touch Systems*
2007–14 Associate Editor, *ACM Transactions on Applied Perception*
2007–11 Associate Editor, *IEEE Transactions on Haptics*
1994–98 Associate Editor, *IEEE Transactions on Robotics and Automation*