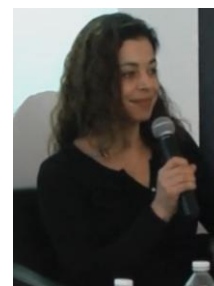


CURRICULUM VITAE - MALIKA AUVRAY

CNRS – CRCN
Institut des Systèmes Intelligents et de Robotique (ISIR)
4 place Jussieu, 75005 Paris

Mail: auvray@isir.upmc.fr
Web: www.malika-auvray.com
Tel: 0660481444
Birth: 04th November 1974



RESEARCH POSITIONS

1015-Present: CNRS researcher (CRCN), ISIR, UMR 7222, Paris, France
2008-2014: CNRS researcher (CRCN), LIMSI, UPR 3251, Orsay, France
2007-2008: Post-doctoral researcher, LNP, UMR 8119, Paris, France
& Post-doctoral fellow, Department of Experimental Psychology, Oxford University, UK
2006-2007: Post-doctoral researcher, Centre for Philosophical Psychology, Antwerp University, Belgium
2005-2006: Post-doctoral fellow, Department of Experimental Psychology, Oxford University, UK
2004-2005: Associate Lecturer (ATER), UTC, Compiègne, France.
2001-2004: Ph.D. (CIFRE), UMR 8581, LPE, and BaBeL@StaL company, Paris, France

EDUCATION AND DIPLOMA

2018: Habilitation à Diriger des Recherches, Biology, Sorbonne University, Paris
2001-2004: Ph.D. in Psychology, with honours, Ecole des Hautes Etudes en Sciences Sociales, Paris
1999-2000: Master 2 in Cognitive Sciences, Ecole des Hautes Etudes en Sciences Sociales, Paris
1998-1999: Master 1 in Philosophy and Logic, with honours, University of Nantes

PROFESSIONAL SERVICE AND LEADERSHIP

HEAD OF THE “PERCEPTION, INTERACTION ET ROBOTIQUE SOCIALES” TEAM

Since 01/2021, 33 members in the team
8 PIs: 1 PU-PH (D. Cohen), 1 DR (C. Pelachaud), 3 PU (M. Chetouani, J-L. Zarader, C. Achard), 1 CR (M. Auvray), 2 MCF (K. Bailly, L. Chaby)
3 post-doctoral researchers, 13 Ph.D. students, 2 research engineer, 9 master students

Management of research

2019-present: Member of the scientific board at ISIR
2019-2020: Responsible of the scientific theme “multisensory perception” at ISIR
2012: Member of the committee for the program DEFI-SENS, Mission Interdisciplinarité, CNRS

Expert for organisms: European Commission ERA-NET Neuron (2020), Research Südtirol/Alto Adige (2020), Israel Science Foundation (2018), ANR (2017), Biotechnology and Biological Sciences Research Council (2017), ANRT, CIFRE (2016).

Peer-review (selected journals): *Adaptative Behavior*, *Brain and Cognition*, *Brain Research*, *JEP: HPP*, Elsevier, *Journal of Business Research*, *Multisensory Research*, *New Ideas in Psychology*, Oxford University Press (book proposal), *Perception*, *PLoS ONE*, *Seeing and Perceiving*, *Spatial Vision*, *Restaurative Neurology and Neuroscience*, *In Cognito*, *L'Année Psychologique*, *Scientific Reports*, *Social Development*, *Transactions on Haptics*, *World Haptic Conference*.

Editorial activities and organisations of scientific meetings

- 2016: Symposium *Sensory Substitution at International Congress of Psychology*, Yokohama, Japan
- 2014: Editor of the special issue *Sensory Substitution* in the journal *Multisensory Research*
- 2014: Co-presidency of the program for the conference *Eurohaptics*, Versailles, France
Co-editor of *Haptics: Neuroscience, Devices, Modeling, and Applications*, Springer (proceedings)
- 2014: Member of the Copil of the experimental platform at the DEC
- 2002: Organization of the *Third Workshop on Multimodal Interaction in Perception*, Paris, France

Selection committee

- 2019: For the lecturer position 72 MCF0040, UTC, Compiègne
- 2016: For the lecturer positions 16 MCF0065 and 16 MCF0125, University Paris 5
- 2015: For the lecturer positions 16 MCF0120 and « 16 MCF1826, University Paris 5

RESEARCH

GRANTS AND FELLOWSHIPS

- 2021-2023: AAP Fédération pour la Recherche sur le Cerveau (FRC). Project “I-space” (PI: M. Auvray; 80 K€). Partners: M. Chetouani, D. Cohen (ISIR), S. Tordjman (Centre Hospitalier Guillaume Renier, Rennes 1).
- 2020: AAP CNRS INS2I Emergence. Project “Multimodal simulation of touch: Application to virtual agents” (PI: M. Auvray; 12 K€). Partners: C. Pelachaud, V. Hayward (ISIR).
- 2018-2021: ANR (French national agency for research) JCJC. Project “BYCEPS” (PI: N. Jarasse, ISIR, UMR 7222; 231 K€). Partners: M. Auvray, A. Roby-Brami (ISIR, UMR 7222), A. Touillet (IRR Nancy).
- 2018-2019: Oculus VR. Project “Distal projection of tactile sensations from oculomotor signals” (PI: V. Hayward, ISIR, UMR 7222; 116 K\$). Partners: M. Auvray (ISIR, UMR 7222), O. Deroy, B. Smith (University of London).
- 2018: Program Auton from the CNRS (MI, Mission for Interdisciplinarity). Renewal for consortium Subilma (PI: F. Sarlegna, ISM, UMR 7287; 24 K€).
- 2017-2019: Grant from the Labex SMART. Project “SAHMI” (PI: G. Bailly, ISIR, UMR 7222; 186,5 K€). Partners: M. Auvray, Y. Jansen, S. Haliyo (ISIR, UMR 7222), C. Lenay (UTC Compiègne).
- 2017: Program Auton from the CNRS (MI). Renewal for the consortium Subilma (PI: N. Jarasse, ISIR, UMR 7222; 35 K€).
- 2016-2020: ANR (French national agency for research). Project “Developmental Tool Mastery” (PI: A. Farnè, ImpAct, U864; 412, 3 K€). Partners: A. Roy (ImpAct, U864), F. de Vignemont (IJN, UMR 8129), M. Auvray, V. Hayward (ISIR, UMR 7222).
- 2016-2020: ANR (French national agency for research) JCJC. Project “I-gait” (PI: W. Bachta, ISIR, UMR 7222; 235 K€). Partners: M. Auvray, N. Jarasse (ISIR, UMR 7222), R. Reynolds (University of Birmingham).

- 2016: Program Auton from the CNRS (MI). Consortium Subilma (PI: N. Jarasse, ISIR, UMR 7222; 35 K€). Partners similar to the consortium Supplé-Sens 2014 & 2015.
- 2015: Program Auton from the CNRS (MI). Consortium Supplé-Sens (PI: M. Auvray, ISIR, UMR 7222; 35 K€). Partners similar to the consortium Supplé-Sens 2014.
- 2014: Program DEFI-SENS from the CNRS (MI). Project “Perceptual deficiencies and multimodal supplementation” (PI: M. Auvray, LIMSI, UPR 3251; 35 K€). Partners: F. Sarlegna (ISM, UMR 7287), K. O’Regan (LPP, UMR 8242), I. Fasiello (ISIR, UMR 7222), P. Barone (CerCo, UMR 5549), F. Matonti (INT, UMR 7289), G. Parsehian (LMA, UPR 7051), I. Viaud-Delmon (IRCAM, UMR 9912), O. Deroy (University of London), J. Cole (Poole Hospital), C. Miall (University of Birmingham).
- 2013-2015: Grant from the Centre Francilien de l’Innovation. Project “Elaboration and evaluation of a visuo-tactile supplementation device for blind persons” (PI: M. Auvray, LIMSI, UPR 3251; 23 K€). Partners: Company Caylar, Ile de France.
- 2013: Program DEFI-SENS from the CNRS (MI). Project “Optimisation of sensory substitution devices using crossmodal correspondences” (PI: M. Auvray, LIMSI, UPR 3251; 30 K€). Partners: O. Deroy (University of London), S. Hannelton (CNPP, UMR 8119), K. O’Regan (LPP, UMR 8242), I. Fasiello (ISIR, UMR 7222), F. de Vignemont (IJN, UMR 8129).
- 2012: Program DEFI-SENS from the CNRS (MI). Project “Fundamental challenges for perceptual supplementation” (PI: M. Auvray, LIMSI, UPR 3251; 20 K€). Partners: O. Deroy (University of London), S. Hannelton (CNPP, UMR 8119), K. O’Regan (LPP, UMR 8242), V. Hayward (ISIR, UMR 7222).
- 2011-2014: ANR (French national agency for research), JCJC. Project “FRESCO. Frames of Reference in Spatial Cognition” (PI: M. Auvray, LIMSI, UPR 3251; 169,94 K€). Partners: J. Dokic, F. de Vignemont (IJN, UMR 8129), M. Ammi, S. Caillou (LIMSI, UPR 3251), C. Spence (Oxford University).
- 2009-2011: ANR (French national agency for research). Project “NAVIG. Navigation aided by artificial vision and GNSS” (PI: C. Jouffrais, IRIT, UMR 5505; 109 K€). Partners: S. Thorpe (CerCo, UMR 5549), M. Auvray, M. Denis, B. Katz (LIMSI, UPR 3251), Navocap, Institut des Jeunes Aveugles.
- 2008-2010: Post-doctoral Fellowship Marie Curie (Intra European Fellowship).
- 2006-2007: Post-doctoral Fellowship FWO (Belgium).
- 2005-2006: Post-doctoral Fellowship Lavoisier, French Ministry of Foreign Affairs.
- 2004: Fellowship from the Fondation de France (to develop a project based on the technologies of sensory substitution).
- 2001-2004: Ph.D. Fellowship from the A.N.R.T. (French National Association for Technical Research).
- 2000-2001: Master 2 fellowship, Ecole des Hautes Etudes en Sciences Sociales.

Grants obtained for doctoral and post-doctoral researchers working under my supervision

- 2020-2023: Ph.D. grant CIFRE, in collaboration with the company Ubisoft, for R. Poivet (36 months).
- 2016: Post-doctoral grant from the Labex SMART, in co-supervision with N. Jarasse (ISIR, UMR 7222), for G. Arnold (12 months).
- 2015-2018: Ph.D. grant CIFRE, in co-supervision with J. Lafraire (Institut Paul Bocuse), in collaboration with the company Pernod Ricard, for J. Roque (36 months).
- 2015-2017: Post-doctoral fellowship CONICET (National Scientific and Technical Research Council, Argentine), in collaboration with C. Arias (Cordoba, Argentine), for L. Fernandez (24 months).
- 2014-2015: Post-doctoral fellowship from Foundation des Aveugles de Guerre, for G. Arnold (12 months).
- 2013-2015: Post-doctoral fellowship from the foundation Fyssen, for J. Hartcher O’Brien (24 months).

TEACHING ACTIVITIES AND SUPERVISION

Teaching

Total: 477 hours. Including 105h CM, 389h TD

Institution	Title	Public	Years
UPMC	Perception multisensorielle appliquée aux technologies de réhabilitation	Master 2 Filière MSR	2017-2021 (8h/year)
	Cognition spatiale et plasticité	Master 2 Filière Santé	2019-2021 (4h)
Département d'Etudes cognitives (DEC – ENS)	Cognition incarnée	Master 2	2012-2019 (12h/year)
	La substitution sensorielle	Master 1	2002-2003 (2 h)
Université Paris 5	Substitution sensorielle	Master 2 Filière PCFA	2019-2021 (4h) 2017-2019 (6h) 2016-2017 (4 h) 2015-2016 (2 h)
	Perception multisensorielle	Master 1	2019-2021 (1h30)
	Psychologie Expérimentale	Licence 1 Psychologie	2003-2004 (48 h) 2002-2003 (48 h)
	Méthodologies en psychologie (tutorat)	Licence 1 Psychologie	2002-2003 (45 h)
ENSCI – les ateliers	Perception multisensorielle et synesthésie	1 ^{ère} à 5 ^{ème} année de l'école de design	2017-2018 (10h)
Université Paris 11	Approfondissements en Psychologie Cognitive	Master 2	2009-2010 (9 h) 2008-2009 (9 h)
Université de Technologie de Compiègne	Sciences cognitives et naturalisation de l'esprit	1 ^{ère} à 5 ^{ème} année de l'école d'ingénieur	2004-2005 (68 h) ½ ATER Psychologie
	Apprentissage et perception	1 ^{ère} à 5 ^{ème} année de l'école d'ingénieur	2002-2003 (8 h) 2001-2002 (8 h)
	Psychoacoustique	5 ^{ème} année de l'école d'ingénieur	2002-2003 (4 h) 2001-2002 (4 h)
Université Paris 13	Perception et cognition	Licence 1 de psychologie	2002-2003 (48 h) 2001-2002 (35 h)
ESIGELEC / Rouen	Perception et action	M2	2002-2003 (2 h)

SUPERVISION

Post-doctoral researchers

2020-2021: Louise Kirsch, FRC project “In someone else’s shoes, improving social perspective taking with spatial perspective taking”

2018-2020: Xavier Job, “The processes of exteriorization and embodiment in tool use”

2018-2020: Louise Kirsch (with V. Hayward), ANR project “Developmental tool mastery”

- 2018-2019: Antonio Cataldo (with V. Hayward and O. Deroy), Oculus VR grant “Distal projection of tactile sensations from oculomotor signals”
- 2015-2017: Laura Fernandez (with C. Arias), Conicet Grant “tactile interactions in sensory substitution”
- 2012-2016: Gabriel Arnold, 3 consecutive projects (ANR, FAG, SMART) on “spatial cognition and tactile interfaces”
- 2013-2015: Jessica Hartcher O’Brien, Fyssen grant “distal attribution in sensory substitution”
- 2009-2011: Mathieu Gally (with M. Denis), ANR project “NAVIG”

PhD students

- 2020-2023: Rémi Poivet, CIFRE in collaboration with Ubisoft, “Perception of intelligence in virtual agents”
- 2015-2018: Jérémy Roque (with Jérémy Lafraire), CIFRE in collaboration with Pernod Ricard, “The influence of audio-visual interactions on perceived freshness in beverages”
- 2010-2014: Adrien Girard (with M. Ammi), “Interactions visio-haptiques pour la coordination et la conscience situationnelle partagée en environnement virtuel collaboratif”

Master 2 students

- 2020-2021: Jordan Cohen, Psychology, University of Caen, “Multisensory stimulation of touch”
- 2018-2019: Loona Charbonneau, VHMA, Paris 5, “Substitution sensorielle visuo-auditive: le rôle des capacités visuo-spatiales”
- 2017-2018: Yann Kechabia, Psychology, Paris 5, “Retour de proprioception artificiel par stimulation vibrotactile”
- 2016-2017: Chenyang Wang, Psychology, Paris 5, “Conscience corporelle et cognition spatiale”
- 2016-2017: Irène Rabotin, Psychology, Paris 5, “Le rôle de l’expérience visuelle pour l’appropriation d’un dispositif de substitution sensorielle”
- 2015-2016: Jacques Pesnot-Lerousseau, Cogmaster, ENS “Etude des processus visuels et auditifs impliqués dans l’utilisation du dispositif de substitution sensorielle The vOICe”
- 2014-2015: Alix Renault (with F. Sarlegna), Aix-Marseille University, “Influence de la proprioception sur la représentation de l’espace”
- 2013-2014: Kahina Ouibrahim (with F. de Vignemont), Cogmaster, ENS, “Le sens du self”
- 2013-2014: Fatma Elleuch, CNA, EPHE, “Inversion ou renforcement de la correspondance intermodale entre la fréquence auditive et l’élévation visuelle”
- 2013-2014: Erika Kaiser, Marie Lorenz, Frédéric Albert, Ingénierie de l’innovation, Paris-Saclay, “Matrice de suppléance perceptive visuo-tactile pour personnes non-voyantes”
- 2012-2013: Kahina Ouibrahim (with F. de Vignemont), Cogmaster, ENS, “l’effet des facteurs de dominance sur la prise de perspective spatiale”
- 2011-2012: Philippe Herquel (with Sylvain Hanneton), VHMA, Paris 5, “L’apprentissage de la pratique d’un jeu vidéo purement sonore”
- 2010-2011: Vincent Forma (with Sylvain Hanneton), VHMA, Paris 5, “Etude de l’apprentissage d’un nouveau couplage audio-moteur lors d’une tâche de pointage”
- 2009-2010: Lucie Brunet, Ergonomie et Facteurs Humains, Paris 11, “Etude des stratégies et des besoins des personnes non-voyantes lors de la navigation”
- 2009-2010: Lourdes Garcia, ATIAM, Paris 6, “Étude des représentations spatiales en environnement sonore”
- 2008-2009: Sergiu Popescu (with M. Wexler), Cogmaster, ENS, “Le rôle de l’activité motrice dans le raisonnement spatial”

Master 1 and Licence 3

- 2020-2021: Alexandra Atavakelian (M1), Cogmaster, ENS, “Inducing the feeling of touch”
- 2019-2020: Thérèse Rhea-Haddad (with J. Lafraire and S. Bourgeois-Gironde), Cogmaster, ENS, “La perception de la valeur dans les domaines alimentaires et monétaires”

- 2018-2019: 5 students in third year of Polytechnic School, “Substitution sensorielle : percevoir la distance et la température par le toucher”
- 2017-2018: 6 students in third year of Polytechnic School, “Substitution sensorielle: voir par le toucher”
- 2017-2018: Nathan Risch (M1), Cogmaster, ENS, “Existe-t-il une différence de toucher entre soi et autrui ?”
- 2017-2018: Daphne Parmentier (M1), Psychology, Paris 5, “Différences individuelles en substitution sensorielle visuo-auditive”
- 2016-2017: Sacha Yesislatay (M1), Cogmaster, ENS, “Cognition spatiale chez les patients atteints d’autisme”
- 2016-2017: Sandra Inard (M1), Psychology, Paris 8, “Etude des facteurs psychologiques déterminant les cadres de références utilisés”

■ Participation to PhD committees

- 2021: Galit Buchs-Lock (Israel, referee)
- 2020: Basil Duvernoy (examiner & president of the committee)
- 2020: Salam Bahmad (referee)
- 2019: Estelle Nakul (referee)
- 2018: David Landais (referee)
- 2018: Kevin Art (examiner)
- 2018: Elena Tosi Brandi (examiner)
- 2017: Lise Obeika, (examiner)
- 2013: Julien Laroche (examiner).

PhD monitoring committees: Angéline Bellicha, ISIR (2019), Benoît Geslin, ISIR (2020).

PARTICIPATION TO THE PRESS, TV, AND RADIO FOR THE GENERAL PUBLIC

■ Journals for the general public

- Auvray, M., & Dauphin, B. (2015). Les sens cachés du vin. *Revue des Œnologues*, 157, p. 21.
- Dauphin, B., & Auvray, M. (2014). Le vin, une expérience multisensorielle. *Revue des Œnologues*, 41, 17-18.
- Auvray, M., & O’Regan, J. K. (2003). Voir avec les oreilles: Enjeux de la substitution sensorielle. *Pour la Science*, 39, 30-35.

■ TV, radio, and public events

- Participation to the documentary « Les forces du toucher » in the series « Nos cinq sens », broadcasted on Canal+, Planete+, TV5Monde, TV5Québec & RTBF in January 2018. Realisation: Philippe Allante. Filming the 8 & 28 March 2017.
- Participation to the audio documentary « Il faut croire pour voir » broadcasted on France Culture the 8 Mars 2017, Realisation: Tony Hayere, recorded the 16 January 2017.
- Auvray, M. (2017). Les dispositifs de suppléance perceptive à destination des personnes non voyantes. *Conférence – Débat « Sciences et Cécités », Voir avec les oreilles, voir avec les doigts*, 8 April, Blois, France.
- Participation to the show ‘On n’est pas que des cobayes’ on sensory substitution, filming in November 2013, broadcasted the 31 January 2014.
- Bloomsburry Festival, 19th October 2013, Centre for the Study of the Senses, Institute of Philosophy, London.
- Presentation of posters during “Forum des Laboratoires en Sciences Cognitives d’Ile de France” (2002 and 2003)
- Participation to the days “Fête de la science” at Compiègne (2003) and Paris (2002).

PUBLICATIONS AND COMMUNICATION

SUMMARY

Google Scholar statistics in April 2021: h-index: 23, Citations: 2802

Articles are available online at: www.malika-auvray.com

Number of publications and communications in:

	Cognitive neurosciences	Philosophy	Engineering / VR	Total
International peer-reviewed journals	36		3	39
National peer-reviewed journals	3			3
Book Chapters	5	4	3	12
Other publications	4		2	6
International peer-reviewed conferences	56	3	14	73
Invited talks: workshops and conferences	9	3	1	13
Invited seminars	15	7	1	23
Communications without proceedings	24		1	25

PUBLICATIONS

The names of the post-doctoral researchers, PhDs, and master students I have supervised are underlined.

JOURNAL ARTICLES

42. Job, X., Arnold, G., Kirsch, L., Auvray, M. (2021). Vision shapes tactile spatial perspective-taking. *Journal of Experimental Psychology: General*. doi: 10.1037/xge0000923 [IF: 3.50].
41. Job, X., Kirsch, L., Inard, S., Arnold, G., & Auvray, M. (2021). Spatial perspective-taking is related to social intelligence and attachment style. *Personality and Individual Differences*. doi: 10.1016/j.paid.2019.109726 [IF: 2.0].
40. Kirsch, L., Job, X., Auvray[§], M., & Hayward[§], V. (2020). Harnessing tactile waves to measure skin-to-skin interactions. *Behavior Research Methods*. doi: 10.3758/s13428-020-01492-3 (°Shared last authorship) [IF: 4.42].
39. Kirsch, L., Job, X., & Auvray, M. (2020). Mixing up the senses: Sensory substitution is not a form of artificially induced synaesthesia. *Multisensory Research*. doi:10.1163/22134808-bja10010 [IF: 2.34].
38. Roque, J., Lafraire, J., & Auvray, M. (2020). Audiovisual crossmodal correspondence between bubbles' size and pouring sounds' pitch in carbonated beverages. *Foods*, 9, 966. doi: 10.3390/foods9080966 [IF: 4.09].

37. Hanneton, S., Hoellinger, T., Forma, V., Roby-Brami, A. & Auvray, M. (2020). Ears on the hand. Reaching three-dimensional targets with an audio-motor device. *Multisensory Research*, 4-5, 433-455. doi: 10.1163/22134808-20191436 [IF: 2.34].
36. Auvray, M. (2019). Multisensory and spatial processes in sensory substitution. *Restaurative Neurology and Neuroscience*, 37, 609-619. doi: 10.3233/RNN-190950 [IF: 1.84].
35. Arnold, G., Sarlegna, F., Fernandez, L., & Auvray, M. (2019). Somatosensory loss influences the adoption of self-centered versus decentered perspectives *Frontiers in Psychology*, 10, 419. doi: 10.3389/fpsyg.2019.00419 [IF: 2.09].
34. Roque, J., Lafraire, J., Spence, C., & Auvray, M. (2018). The influence of audiovisual stimuli cuing temperature, carbonation, and color on the categorization of freshness in beverages. *Journal of Sensory Studies*, 33, e12469, doi: 10.1111/joss.12469 [IF: 2.07].
33. Renault, A. G., Auvray, M., Parseihian, G., Miall, R. C., Cole, J., & Sarlegna, F. (2018). Does proprioception influence human spatial cognition? A study on individuals with massive deafferentation. *Frontiers in Psychology*, 9, 1322. doi: 10.3389/fpsyg.2018.01322 [IF: 2.09].
32. Arnold, G., & Auvray, M. (2018). Tactile recognition of visual stimuli: Specificity versus generalization of perceptual learning. *Vision Research*, 152, 40-50 doi: 10.1016/j.visres.2017.11.007 [IF: 2.07].
31. Brunet, L. Darses, F., & Auvray, M. (2018). Strategies and needs of blind pedestrians during urban navigation, *Le Travail Humain*. 81, 141-171. doi:10.3917/th.812.0141 [IF: 0.88].
30. Roque, J., Auvray, M., & Lafraire, J. (2018). Investigating the cognitive mechanisms underlying freshness perception: a research review. *Frontiers in Psychology*, 8, 2360. doi: 10.3389/fpsyg.2017.02360 [IF: 2.09].
29. Arnold, G., Spence, C., & Auvray, M. (2017). A unity of the self or a multiplicity of locations? How the graphesthesia task sheds light on the role of spatial perspectives in bodily self-consciousness. *Consciousness & Cognition*, 56, 100-114. doi: 10.1016/j.concog.2017.06.012 [IF: 2.27].
28. Arnold, G., Pesnot-Lerousseau, J. & Auvray, M. (2017). Individual differences in sensory substitution. *Multisensory Research*, 6, 579-600. doi: 10.1163/22134808-00002561 [IF: 2.34].
27. Arnold, G. & Auvray, M. (2017). The graphesthesia paradigm: drawing letters on the body to investigate the embodied nature of spatial perspective taking. *i-Perception*, 8, 1-5. doi: 10.1177/2041669517690163 [IF: 0.94].
26. Deroy, O., Fasiello, I., Hayward, V., & Auvray, M. (2016). Differentiated audio-tactile correspondences in sighted and blind individuals. *Journal of Experimental Psychology: Human Perception and Performance*, 42, 1204-1214. doi:10.1037/xhp0000152 [IF: 2.29].
25. O'Brien, J., & Auvray, M. (2016). Cognition overrides orientation dependence in tactile viewpoint selection. *Experimental Brain Research*, 234, 1885-1892. doi 10.1007/s00221-016-4596-6 [IF: 1.81].
24. Arnold, G., Spence, C., & Auvray, M. (2016). Taking someone else's spatial perspective: Natural stance or effortful decentring? *Cognition*, 148, 27-33. doi:10.1016/j.cognition.2015.12.006 [IF: 3.35].
23. Hanneton, S., Herquel, P., & Auvray, M. (2015). Intermodal recoding of a video game: Learning to process signals for motion perception in a pure auditory environment. *International Journal of Adaptive Control and Signal Processing*, 29, 1475-1483. doi: 10.1002/acs.2549 [IF: 2.08].

22. O'Brien, J., & Auvray, M. (2014). The process of distal attribution illuminated through studies of sensory substitution. *Multisensory Research*, 27, 421-441. doi: 10.1163/22134808-00002456 [IF: 2.34].
21. Auvray, M., & Harris, L.R. (2014). The state of the art of sensory substitution. *Multisensory Research*, 27, 265-269. doi: 10.1163/22134808-00002464 [IF: 2.34].
20. Arnold, G., & Auvray, M. (2014). Perceptual learning: Tactile letter recognition transfers across body surfaces. *Multisensory Research*, 27, 71-90. doi: 10.1163/22134808-00002443 [IF: 2.34].
19. Deroy, O., & Auvray, M. (2012). Reading the world through sensory substitution devices. *Frontiers in Psychology*, 3, 457. doi: 10.3389/fpsyg.2012.00457 [IF: 2.09].
18. Auvray, M., & Rohde, M. (2012). Perceptual crossing: The simplest online paradigm. *Frontiers in Human Neuroscience*, 6, 181. doi: 10.3389/fnhum.2012.00181 [IF: 2.87].
17. Simard, J., Ammi, M., & Auvray, M. (2012). Collaborative strategies for the search of 3D targets in molecular environments. *IEEE Transactions on Systems, Man, and Cybernetics, Part C: Applications and Reviews*, 6, 1555-1565. doi: 10.1155/2012/546521 [IF: 5.13].
16. Auvray, M., Hoellinger, T., Hanneton, S., & Roby-Brami, A. (2011). Perceptual weight judgments when viewing one's own and other's movements under minimalist conditions of visual presentation. *Perception*, 40, 1081-1103. doi:10.1068/p6879 [IF: 1.37].
15. Auvray, M., Gallace, A., & Spence, C. (2011). Tactile short term memory for stimuli presented on the fingertips and across the rest of the body surface. *Attention, Perception, & Psychophysics*, 73, 1227-1241. doi: 10.3758/s13414-011-0098-6 [IF: 1.37].
14. Hanneton, S., Auvray, M., & Durette, B. (2010). The Vibe: A versatile vision-to-audition sensory substitution device. *Applied Bionics and Biomechanics*, 7, 269-276. doi: 10.1080/11762322.2010.512734 [IF: 1.77].
13. Auvray, M., Myin, E., & Spence, C. (2010). The sensory-discriminative and affective-motivational aspects of pain. In F. McGlone (Ed.) *Touch, Temperature, Pleasure, and Pain*, special issue of *Neuroscience and Biobehavioral Reviews*, 34, 214-223. doi:10.1016/j.neubiorev.2008.07.008 [IF: 8.04].
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MANUSCRIPTS UNDER REVISION, SUBMITTED, AND IN PREPARATION

Pesnot-Lerousseau, J., Arnold, G., & Auvray, M. (under revision). Visualizing sounds: training-induced plasticity with a visual-to-auditory conversion device. *Scientific Reports* [IF: 4.0].

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■■■■ COMMUNICATIONS

INTERNATIONAL PEER-REVIEWED CONFERENCES

73. Auvray, M., Job, X., & Kirsch, L. (2021). Individual differences in spatial perspective-taking: The role of personality traits and interoceptive abilities. *European Society for Cognitive and Affective Neuroscience*, 23-26 June, Online Conference.
72. Kirsch, L., Job, X., Hayward, V., & Auvray, M. (2021). Measuring tactile interactions through skin-to-skin friction-induced vibrations. *European Society for Cognitive and Affective Neuroscience*, 23-26 June, Online Conference.
71. Job, X., Kirsch, L., Auvray, M., & Hayward, V. (2021). Motion after-effects in the tactile modality. *European Society for Cognitive and Affective Neuroscience*, 23-26 June, Online Conference.
70. Auvray, M., Kechabia, Y., Arnold, G., & Jarasse, N. (2019). Providing proprioceptive feedback by means of vibrotactile stimuli: A way to improve body integration of a prosthetic arm. *IEEE World Haptics Conference*. 09-12 July, Tokyo, Japan.
69. Auvray, M., Arnold, G., & Pesnot-Lerousseau, J. (2018). Training-induced plasticity with a visual-to-auditory conversion system. Seeing the thunder while still hearing it. *International Multisensory Research Forum*. 14-17 June, Toronto, Canada.
68. Roque, J., Lafraire, J., & Auvray, M. (2018). Audiovisual crossmodal correspondences between bubbles' size and pouring sounds' pitch in carbonated beverages. *International Multisensory Research Forum*. 14-17 June, Toronto, Canada (Poster).
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64. Auvray, M., & Arnold, G. (2016). Taking into account individual differences in multisensory processing between sighted and visually impaired people to improve sensory substitution. *Israeli Society for Neuroscience*, 4-6 December, Eilat, Israel.
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55. Hartcher-O'Brien, J., Auvray, M., & Hayward, V. (2015). Access to visual distance via a time-delayed tactile feedback device. *16th Multisensory Research Forum (IMRF)*, 13-16 June, Pisa, Italy.
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48. Auvray, M. (2014). Replacing one sense by another: Learning to use sensory substitution devices. *Symposium on cerebral visual injury: dysfunction, plasticity, restoration and rehabilitation*; held during the *4th International Scientific Conference Restauración Neurológica*, 5-7 March, La Habana, Cuba.
47. Auvray, M. (2014). Replacing one sense by another: learning to use a sensory substitution device. *Neuroeng2014*, 2-3 February, Adelaide, Australia.
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44. Deroy, O., Fasiello, I., Hayward, V., & Auvray, M. (2013). Audio-tactile crossmodal correspondances. *14th Multisensory Research Forum (IMRF)*, 3-6 June, The Hebrew University of Jerusalem, Israel.
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36. Auvray, M., Gallace, A., & Spence, C. (2012). Crossmodal change blindness between touch, vision, and audition. *30th International Congress of Psychology (ICP)*, 22-27 July, Capetown, South Africa.
35. Auvray, M. (2012). Beyond vision: Integrating sensory substitution devices. *30th International Congress of Psychology (ICP)*, 22-27 July, Capetown, South Africa.
34. Auvray, M., Gallace, A., & Spence, C. (2012). Crossmodal change blindness between vision, touch, and audition: the influence of the task. *Association for the Scientific Study of Consciousness (ASSC 16)*, 2-6 July, Brighton, UK (poster).
33. Auvray, M., & Deroy, O. (2012). Interpreting sensory substitution beyond the perceptual assumption: An analogy with reading. *13th International Multisensory Research Forum (IMRF)*, 19-22 June, Oxford, UK.
32. Girard, A., Ammi, M., Simard, J., & Auvray, M. (2012). Improvement of collaborative selection in 3D complex environments. *IEEE Haptics Symposium*, 4-7 March, Vancouver, Canada (proceedings, pp. 281-288).
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30. Auvray, M., Gallace, A., Yoshida, T., & Spence, C. (2011). Tactile change blindness induced by tactile and visual distractors. *12th International Multisensory Research Forum (IMRF)*, 17-20 October, Fukuoka, Japan (poster).

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28. Auvray, M. (2011). Perceiving with compensatory devices: Quasi-vision or new sensory modality? *American Philosophical Association Pacific Division*, 20-23 April, San Diego, USA.
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23. Gallay, M., Denis, M., Parseihian, G., & Auvray, M. (2010). Egocentric and allocentric reference frames in a virtual auditory environment: Differences in navigation skills between blind and sighted individuals. *12th European Workshop on Imagery and Cognition (EWIC)*, 16-19 June, Helsinki, Finland.
22. Auvray, M., Gallace, A., & Spence, C. (2009). What perspective do people take when interpreting tactile letters presented on their bodies? *10th International Multisensory Research Forum (IMRF)*, 29 July - 2 August, New-York, USA (poster).
21. Auvray, M., Gallace, A., & Spence, C. (2009). Short term memory for tactile stimuli presented on the fingertips and across the body surface. *10th International Multisensory Research Forum (IMRF)*, 29 July - 2 August, New-York, USA (poster).
20. Auvray, M., Hoellinger, T., Roby-Brami, A., & Hanneton, S. (2009). Perceptual weight judgments when viewing own and other's movements under minimalist conditions of visual presentation. *10th International Multisensory Research Forum (IMRF)*, 29 July - 2 August, New-York, USA (poster).
19. Auvray, M., Hoellinger, T., & Hanneton, S. (2008). Sensory substitution and the taxonomy of our sensory modalities. *9th International Multisensory Research Forum (IMRF)*, 16-19 July, Hamburg, Germany.
18. Hoellinger, T., Auvray, M., Roby-Brami, A. & Hanneton, S. (2008). Localisation tasks with a three-dimensional audio-motor coupling based on an electromagnetic motion capture device. *9th International Multisensory Research Forum (IMRF)*, 16-19 July, Hamburg, Germany (poster).
17. Auvray, M., Myin, E., & Spence, C. (2007). Crossmodal change blindness and the multisensory nature of spatial attention. *International Conference on Perception and Action (ICPA 14)*, 1-6 July, Yokohama, Japan.
16. Lenay, C., Stewart, J., Ali Ammar, A., & Auvray, M. (2007). Direct perception of an intentional subject: A minimalist approach. *International Conference on Perception and Action (ICPA 14)*, 1-6 July, Yokohama, Japan (poster).
15. Auvray, M. (2007). Enaction and sensory substitution. *Philosophy of Psychology, Neuroscience, and Psychology*, 25 March, Bristol, UK.

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13. Lenay, C., Auvray, M., Thouvenin, I., & Sebbah, F. D. (2006). Enactive approach to the recognition of an intentional subject. *Situated Cognition: Perspectives From Phenomenology and Science*, 18-20 August, Durham, UK.
12. Auvray, M., Lenay, C., & Stewart, J. (2006). The recognition of others in a simulated environment, the case of minimalist devices. *Association for the Scientific Study of Consciousness 10*, 23-26 June, Oxford, UK (poster).
11. Lenay, C., Auvray, M., & Sebbah, F. D. (2006). Seeing oneself: Experimental studies of perceptive interactions. *Association for the Scientific Study of Consciousness 10*, 23-26 June, Oxford, UK (poster).
10. Auvray, M., Gallace, A., & Spence, C. (2006). Crossmodal change blindness between vision and touch. *7th International Multisensory Research Forum (IMRF)*, 18-21 June, Dublin, Ireland (poster).
9. Auvray, M., Gallace, A., & Spence, C. (2006). Crossmodal change blindness. *EPS Birmingham Meeting*, 10-12 April, Birmingham, UK.
8. Lenay, C., Auvray, M., Thouvenin, I., & Sebbah, F. D. (2005). Perception of avatars in a space of tactile interaction. *2nd Intuition International Workshop "VR/VE and Industry: Challenges and Opportunities"*, 24-25 November, Paris, France.
7. Auvray, M., Lenay, C., Hanneton, S., Gapenne, O., & Stewart, J. (2005). Spatial perception and sensory substitution. *International Conference on Perception and Action*, 5-10 July, Monterey, USA.
6. Gapenne, O., Rovira, K., Lenay, C., Stewart, J., & Auvray, M. (2005). Is form perception necessarily tied to specific sensory feedback? *International Conference on Perception and Action*, 5-10 July, Monterey, USA.
5. Auvray, M., Hanneton, S., Lenay, C., & O'Regan, J. K. (2004). Exteriorisation in sensory substitution. *First Joint Conference of SPP & ESPP*, 3-6 July, Barcelona, Spain.
4. Auvray, M., Hanneton, S., O'Regan, J. K., & Lenay, C. (2004). Distal attribution in sensory substitution. *Association for the Scientific Study of Consciousness 8*, 25-28 June, Antwerp, Belgium.
3. Auvray, M., Hanneton, S., & O'Regan, J. K. (2003). Localisation, form recognition and emergence of sensation in sensory substitution. *ESCOP*, 17-20 September, Granada, Spain.
2. Auvray, M., Hanneton, S., & O'Regan, J. K. (2003). Localisation and form recognition in sensory substitution. *ECVP*, 1-5 September, Paris, France. *Perception*, 32, supplement, 94 (poster).
1. Auvray, M., & O'Regan, J. K. (2001). Influence of semantic factors on blindness to progressive changes in visual scenes. *ECVP*, 26-30 August, Kusadasi, Turkey. *Perception*, 30, supplement, 44 (poster).

INVITED TALKS AT INTERNATIONAL WORKSHOPS AND CONFERENCES

13. Auvray, M. (2019). Flexibility of tactile perspective taking: juggling self-centred and other-centred perspectives. *Self-Perception in Humans and Artificial Agents (Disself II)*. 23 October, Porto, Portugal

12. Auvray, M. (2019). A unity of the self or a multiplicity of locations? Studies on spatial perspective taking in touch. *From Skin to Self. European Somatosensation and Body Representation Meeting*. 01-02 April, London, UK.
11. Auvray, M. (2018). Taxonomizing the sense without circularity. *Workshop: The Philosophy of Multisensory Perception*, 14 June, Toronto, Canada.
10. Auvray, M. (2016). Multisensory perception and spatial cognition: Taking into account individual differences to improve sensory substitution. *Workshop Computational Touch*, 8-9 September, Paris, France.
9. Auvray, M. (2013). Spatial cognition and sensory substitution. *Research Conference on Sensory Substitution, Brain Plasticity and Visual Rehabilitation*, 6-9 June, Israel Institute for Advanced Studies, The Hebrew University of Jerusalem, Israel.
8. Auvray, M. & Deroy, O. (2013). Audio-visual substitution. *Sensory Substitution and Augmentation Conference*, 26-28 March, British Academy, London.
7. Auvray, M. (2012). A commentary of Randy Flanagan ‘on sensorimotor learning’. *Workshop Perceptual Learning and Perceptual Recognition I*, 19-20 March, York University, U.K.
6. Auvray, M., & Deroy, O. (2011). Understanding sensory substitution devices beyond the perceptual assumption. *Workshop Feelings, Perception, and Action*, 6-7 October, ENS, Paris.
5. Deroy, O., & Auvray, M. (2010). A new look on sensory extensions. *Workshop on Sensory Substitution, Synaesthesia, Sensation, and Perception*, Institute of Philosophy, 31 March, London, UK.
4. Auvray, M., & Myin, E. (2009). Perception with compensatory devices: From sensory substitution to sensorimotor extension. *The Senses Research Workshop*, 19-21 June, Paris, France.
3. Auvray, M. (2009). Replacing one sense by another: Sensory substitution and the classification of our sensory modalities. *Key Issues in Sensory Augmentation Workshop*, 26-27 March, Brighton, UK.
2. Auvray, M. (2006). *Perception, interaction, and mutual recognition in sensory substitution. Action in Mind, The 6th Annual Conference on the Philosophy of Consciousness of the University of Antwerp*, 21 October, Antwerp, Belgium.
1. Auvray, M. (2005). A commentary of Zenon Pylyshyn: “*Spatial representation in the mind/brain: Do we need a global topographical map?*” *Frames of Reference in Spatial Cognition: Diversity, Flexibility and Adaptability*, 17-19 November, Paris, France.

INVITED SEMINARS

23. Auvray, M. (2017). Les processus spatiaux impliqués dans la substitution sensorielle, *Séminaire du Neuroscience Research Centre of Lyon, INSERM U1028, CNRS UMR529*, 19 June, Lyon (Bron).
22. Auvray, M. (2017). Multisensory and spatial processes in sensory substitution. *Séminaire du Laboratoire de Neurosciences Intégratives et Adaptatives*, UMR 7260, 24 October, Marseille.
21. Auvray, M. (2017). Multisensory and spatial processes in sensory substitution, *Séminaire du Laboratoire de Psychologie*, 19 June, Boulogne-Billancourt, France.
20. Auvray, M., & Deroy, O. (2015). Audio-tactile crossmodal correspondences in sighted, early, and late blind people. *Seminar of the Department of Philosophy*, 18 December, PUC: Rio de Janeiro, Brasil.

19. Auvray, M. (2015). Where I am? Studies on spatial perspective in the tactile sensory modality. *Seminar of the Department of Philosophy*, 14 December, PUC: Rio de Janeiro, Brasil.
18. Auvray, M. (2015). Multisensory perception. *Séminaire de Recherche de l'Institut Paul Bocuse*, 13 November, Lyon, France.
17. Auvray, M. (2015). Sensory substitution and augmentation in visual rehabilitation. *Seminar of the Department of Philosophy*, 20 April, PUC: Rio de Janeiro, Brasil.
16. Auvray, M. (2016). Replacing one modality by another: Learning to use sensory substitution devices. *Séminaire de l'Institut des Sciences du Mouvement*, 03 March, Marseille, France.
15. Auvray, M. (2014). Questioning the use of sensory substitution devices at the behavioral, neurophysiological and phenomenal levels. *Seminar of the Paris Consciousness/Self-Consciousness [PaCS]*, 31 March, Institut Jean Nicod, Paris, France.
14. Auvray, M. (2014). Learning to use sensory substitution devices. *Seminar Paris Ouest*, 19 March, Nanterre, France.
13. Auvray, M. (2013). Distal attribution in sensory substitution. *Seminar From Perceptual Interaction to Extended Cognition*, 22-25 January, Compiègne, France.
12. Auvray, M. (2012). Spatial cognition and sensory substitution. *Mind and Perception Research Seminar*, 23 April, Glasgow, Scotland.
11. Auvray, M. (2012). Interactions crossmodales. *Séminaire du Laboratoire Vision, Action, Cognition, Université Paris Descartes*, 26 March, Boulogne Billancourt, France.
10. Auvray, M. (2012). Interactions crossmodales: L'exemple de la cécité aux changements. *Séminaire de l'ETIS, Université de Cergy-Pontoise*, 16 March, Cergy-Pontoise, France.
9. Auvray, M. (2012). Cognition spatiale et substitution sensorielle. *Seminaire Interactions Situées, University Paris IV*, 24 February, Paris, France.
8. Auvray, M. & Deroy, O. (2011). Understanding sensory substitution devices beyond the perceptual assumption. *Neuroscience Seminar*, 17 November, Trinity College, Hartford, USA.
7. Deroy, O., & Auvray, M. (2011). Synesthesia and parasitic qualia. *Cognitive Science Seminar, CUNY*, 11 November, New York, USA.
6. Auvray, M., & Deroy, O. (2011). Integrating sensory substitution devices: An analogy with reading. *Seminar of the Sensory Research Forum, Institute of Philosophy*, 6 October, London, UK.
5. Auvray, M. (2010). Perceptual interactions in a minimalist tactile environment. *Seminar of the Department of Psychiatry and Psychotherapy, University of Cologne*, 15 April, Cologne, Germany.
4. Auvray, M. (2010). Cross-modal change blindness. *Seminar of the Sensory Research Forum, Institute of Philosophy*, 30 March, London, UK.
3. Auvray, M. (2008). The multisensory nature of spatial attention: Crossmodal change blindness between vision, touch, and audition. *Séminaire du Laboratoire de Neurophysique et Physiologie*, 28 January, Paris, France.
2. Auvray, M. (2007). Perception spatiale et multisensorialité: Espaces réels et espaces virtuels. *Séminaire du LIMSI: CHM et VENISE*, 04 December, Orsay, France.
1. Auvray, M. (2007). Cognition spatiale et appropriation d'outils. *Séminaire du LIMSI: CHM et VENISE*, 06 March, Orsay, France.

CONFERENCES / WORKSHOPS / MEETINGS WITHOUT PROCEEDINGS

25. Kirsch, L., Job, X., Risch, N., Hayward, V. & Auvray, M. (2019). The numbness illusion: A new way to look at body plasticity. *From Skin to Self. European Somatosensation and Body Representation Meeting*. 01-02 April, London, UK (poster).
24. Job, X., Kirsch, L., Inard, S., Arnold, G., & Auvray, M. (2019). Flexibility of tactile perspective taking: Individual differences matter. *From Skin to Self. European Somatosensation and Body Representation Meeting*. 01-02 April, London, UK (poster).
23. Auvray, M. (2014). L'apprentissage des dispositifs de suppléance perceptive. *Colloque Perception Augmentée et Multimodale*, 15 January, Paris, France.
22. Arnold, G., & Auvray, M. (2014). Perceptual learning, crossmodal interactions, and spatial reference frames: Implications for sensory substitution. *Journée Robotique et Neurosciences*, 17 December, Paris, France.
21. Sarlegna, F., & Auvray, M. (2014). Déficience perceptive et suppléance multimodale. *Technologies appliquées au handicap: de la compensation à la participation, DVS Defisens*, 26 September, Paris, France.
20. Arnold, G., & Auvray, M. (2014). The left-side bias in tactile recognition is modulated by the adopted reference frame. *4th North Sea Meeting on Brain Asymmetries*, 10-14 September, Durham, UK (poster).
19. Arnold, G., & Auvray, M. (2013). Adopting and changing reference frames when interpreting tactile stimulation received on the body surface. *Symposium: Vision, Action and Concepts: Behavioural and Neural Basis of Embodied Perception and Cognition*, 28-30 October, Lille (poster).
18. Auvray, M. (2013). Learning to use sensory substitution devices. *2nd HCC Summer School*, 17-19 July, Ircam, Paris.
17. Auvray, M. (2012). Substitution sensorielle: verrous et prospective. *Defisens: Audiovis*, 15-17 November, Toulouse, France.
16. Auvray, M. (2010). Percevoir avec des dispositifs de compensation: de la substitution sensorielle à l'extension sensorimotrice. *Phiteco*, 18-24 January, Compiègne, France.
15. Auvray, M. (2009). Perceptual interactions in a minimalist environment. *The Third Cargese Consciousness Summer School, Consciousness of the Self - Consciousness of the Others*, 25 May - 4 June, Cargese, France.
14. Auvray, M. (2009). NAVIG: Navigation Assisted by artificial VIsion and GNSS. *International Workshop on Mental Imagery, Spatial Cognition, and Language (MICL 2009), in honour of Michel Denis*, 12 June, Padova, Italy.
13. Auvray, M. (2008). Remplacer un sens par un autre: les dispositifs de substitution sensorielle. *9^{ème} Journée de la Vision, SFOP*, 13 April, Paris, France.
12. Gallace, A., Auvray, M., Hartcher-O'Brien, J., Tan, H. Z., & Spence, C. (2007). The effect of visual, auditory, and tactile distractors on people's awareness of tactile change. *Body Representation Workshop*, 8-10 October, Rovereto, Italy.
11. Auvray, M. (2005). Spatial perception and sensory substitution. *Body Representation Workshop*, 30 September, Oxford, UK (Poster).
10. Auvray, M. (2005). Perception spatiale et substitution sensorielle. *Journées GDR-STIC Santé, Espace et sa Perception: Application à la Conception des Aides Technologiques aux Déplacements de Déficients Visuels*, 10 March, Paris, France.

9. Auvray, M. (2005). Appropriation d'une prothèse perceptive et constitution de nouveaux espaces de perception et d'action. *Journée Atelier Rescif, Indétermination du Champ Visuel, Anticipations Catégorielles et Thématization*, 1st February, Paris, France.
8. Auvray, M., Lenay, C., O'Regan, J. K., & Hanneton, S. (2004). Action et Immersion. *Séminaire Savoir ce que l'on Fait*, 27-31 January, Compiègne, France.
7. Auvray, M., O'Regan, J. K., & Hanneton, S. (2003). Repenser la distinction entre nos modalités sensorielles via un dispositif de suppléance perceptive visuo-auditif. *Colloque des Jeunes Chercheurs en Sciences Cognitives*, 18-20 June, Paris, France.
6. Khatchatourov, A., & Auvray, M. (2003). L'outil modifie-t'il la perception ou la rend-il possible ? *Colloque des Jeunes Chercheurs en Sciences Cognitives*, 18-20 June, Paris, France.
5. Auvray, M., O'Regan, J. K., & Hanneton, S. (2003). Apprendre à utiliser un dispositif de substitution sensorielle: les différentes étapes. *Séminaire Espaces d'Action, Espaces de Perception*, 21-29 January, Compiègne, France.
4. Auvray, M., Hanneton, S., & O'Regan, J. K. (2002). Stages in the emergence of sensation in sensory substitution. *Third Workshop on Multimodal Interaction in Perception*, 28-29 October, Paris, France.
3. Auvray, M., Philipona, D., & O'Regan, J. K. (2001). Tentative d'induire la notion d'espace dans un environnement virtuel simple. *Atelier Perception et Constitution de l'Espace, Journées du RESCIF*, 27-28 October, Paris, France.
2. Auvray, M., Philipona, D., & O'Regan, J. K. (2001). Notion of space and form recognition in a simulated environment. *Atelier Genèse de la Perception et de la Notion d'Espace chez le Robot et l'Homme*, 18-19 October, Paris, France.
1. O'Regan, J. K., Clark, J. J., Nadal, J-P., Auvray, M., Bompas, A., & Philipona, D. (2001). Implications of a "sensorimotor" theory of visual phenomenality. *International Workshop: Pathways to Abstraction: From Experience to Concept*, 10-13 September, Gif-sur-Yvette, France.