

AXEL CLEEREMANS

Curriculum Vitae

August 2008

Work address	Consciousness, Cognition & Computation Group (3CO) Université Libre de Bruxelles CP 191 50, Ave. F.-D. Roosevelt 1050 Bruxelles Belgium Phone: (32-2) 650-3296 E-mail: axcleer@ulb.ac.be WWW: < http://srsc.ulb.ac.be/axcWWW/axc.html >
Home address	75, Ave. Guillaume Gilbert 1050 Bruxelles Belgium Phone: (32-2) 646-8597
Date and place of birth	March 5, 1962; Bruxelles (Belgium)
Citizenship	Belgian

MAJOR RESEARCH INTERESTS

Consciousness, implicit learning, models of conscious and unconscious cognition, relationships between consciousness and cognitive control, connectionist/neural network modeling of cognitive processes, sequence learning.

DEGREES HELD

2001	Agrégation de l'Enseignement Supérieur , Université Libre de Bruxelles Dissertation: "Learning and consciousness: A graded, dynamic perspective" Examiners: A. Azzi, P. Eelen, D. Holender, G. Karnas, J. Morais, P. Perruchet, M. Radeau.
1991	Ph.D., Cognitive Psychology , Carnegie Mellon University Dissertation: "Mechanisms of implicit learning: A parallel distributed processing model of sequence acquisition" (Advisor: J.L. McClelland) Examiners: P. Carpenter, D. Touretzky, A.S. Reber.
1989	M.S., Cognitive Psychology , Carnegie Mellon University Advisors: L.M. Reder, J.L. McClelland.

1986 **Licence en Sciences Psychologiques et Pédagogiques**, Université Libre de Bruxelles
Dissertation: “Implicit and explicit knowledge in the control of complex systems: An exploratory study” (Advisor: G. Karnas)
Examiners: P. Bertelson, J. Alégria.

POSITIONS HELD

2006 — **Research Director**, National Fund for Scientific Research
Séminaire de Recherche en Sciences Cognitives, Université Libre de Bruxelles

2002 — 2006 **Senior Research Associate**, National Fund for Scientific Research
Séminaire de Recherche en Sciences Cognitives, Université Libre de Bruxelles

2001 — 2002 **Visiting Scholar**
Department of Psychology, University of Colorado at Boulder

1995 — **Chargé de Cours (partim)**, Université Libre de Bruxelles
Faculté de Philosophie et Lettres

1993 — 2002 **Research Associate**, National Fund for Scientific Research
Séminaire de Recherche en Sciences Cognitives, Université Libre de Bruxelles

1991 — 1993 **Senior Research Assistant**, National Fund for Scientific Research
Laboratoire de Psychologie Industrielle et Commerciale, Université Libre de Bruxelles

1991 — 1991 **Post-doctoral Associate**, Carnegie Mellon University
Department of Psychology

1986 — 1990 **Research Assistant**, National Fund for Scientific Research
10/86 — 08/87: Laboratoire de Psychologie Industrielle et Commerciale, Université Libre de Bruxelles
10/88 — 09/90: Department of Psychology, Carnegie Mellon University

AWARDS, GRANTS AND FELLOWSHIPS

Currently **Co-Principal Investigator/Coordinator**
2006-2011 €640.000 “Concerted Research Action” grant for a research project titled “Culturally Modified Organisms: What it means to be human in the age of culture (co-PIs: R. Kolinsky, O. Klein, A. Content, M. Dominicy, J.-N. Missa, J. Leybaert).

Co-Principal Investigator
2006-2010 €2.100.000 European Commission NEST PATHHNDER grant for a research project titled “Measuring Consciousness — Bridging the Mind-

Brain Gap” (co-PIs: A.K. Engel, G. Rees, K. Vokeley, M. Overgaard, S. Laureys).

Chair, COST ACTION BM0605

2007-2011 European COST ACTION dedicated to “Consciousness: A transdisciplinary, integrated approach”.

2002 – 2006

Co-Principal Investigator

2002-2006 €52.000 National Fund for Medical Research grant for a research project titled “Neural bases for dissociations between implicit and explicit memory: A functional imaging exploration” (co-PI: P. Maquet).

2002 – 2006

Co-Principal Investigator

2002-2006 €640.000 Institutional grant in support of a project titled “Perception, Intention and Action: A transdisciplinary approach to cognitive representation” (co-PI: M. Dominicy).

2000 – 2004

Co-Principal Investigator

2000-2004 €172.000 grant in the context of a “Training and Mobility” European Commission project titled “Basic mechanisms of learning and forgetting in natural and artificial systems” (Coordinator: R.M. French).

2000 – 2001

Co-Principal Investigator

National Fund for Medical Research grant for a research project titled “Dissociation des processus conscients et inconscients lors de l’apprentissage de séquences chez l’humain: Exploration fonctionnelle en tomographie par émission de positons” (co-PIs: P. Maquet, M. Van Der Linden).

1997 – 2001

Principal Investigator

€300.000 institutional grant in support of the “Interuniversity poles of attraction” federal research program for a project titled “Empirical investigation and Computational Modeling of Learning in Dynamic Control Situations”.

1995 – 1998

Principal Investigator

€26.000 National Fund for Scientific Research grant for a project titled “Theory of the mechanisms underlying performance in various experimental situations involving elementary learning processes: Development of a new computational model”.

1995

Sponsored as member of the “Young Psychologists Program” by the Belgian Society of Psychology

1993 – 1997

Co-principal Investigator

€37.000 National Fund for Scientific Research project entitled “Mechanisms of Implicit Learning: Empirical and simulation studies of processing and acquisition in sequence learning and paired-associates learning situations” (co-PI: A. Content).

1993 – 1994

Consultant

NSF (USA) project entitled “Implicit learning of sequential inputs: A computational model” (PI: J. Elman).

1987 – 1988

Belgian American Educational Foundation Fellow

€25,000 fellowship to study in an American university.

1987

Laureate of the “Concours des Bourses de Voyages du Ministère

de la Communauté Française de Belgique”

[Laureate of the Travel Grant Competition of the State Department for the French Community of Belgium].

€2,000 award to conduct a short research trip abroad.

TEACHING EXPERIENCE

Currently

Co-Instructor (“Titulaire avec le titre de Chargé de cours”)

Class: Cognitive Science (“Sciences cognitives”, Faculté de Philosophie et Lettres, Université Libre de Bruxelles)

Co-Instructor (“Titulaire avec le titre de Chargé d’Enseignement”)

Class: Introduction to connectionist modeling (“Introduction aux modèles connexionnistes”, Diplôme d’Etudes Approfondies en Sciences Cognitives, Université Libre de Bruxelles)

Instructor (“Titulaire avec le titre de Chargé d’enseignement”)

Class: Learning and development (“Apprentissage et développement”, Diplôme d’Etudes Approfondies en Sciences Cognitives, Université Libre de Bruxelles)

1994 – 1995

Co-Instructor (“Titulaire avec le titre de Suppléant”)

Class: Questions approfondies de Psychologie Industrielle, Université Libre de Bruxelles)

1993 – 1994

Instructor (“Titulaire avec le titre de Suppléant”)

Class: Languages and Man-Machine Interactions (“Langages et Dialogues Homme-Machine”, Licence Complémentaire en Sciences du Langage, Université Libre de Bruxelles)

Co-Instructor

Course: Travaux pratiques d’Utilisation de la Statistique en Psychologie

1990

Teaching assistant to J. Cohen

Department of Psychology, Carnegie Mellon University

Class: Introduction to Cognitive Psychology

Duties: Grading, teaching (three lectures on perception and memory), course and evaluation design

1989

Teaching assistant to B. MacWhinney

Department of Psychology, Carnegie Mellon University

Class: Cognitive Psychology

Duties: Lab supervision, grading, teaching (one lecture on PDP models)

PROFESSIONAL SERVICE

ADVISING

Ph.D. Students	Completion date	Dissertation title
Arnaud Destrebecqz	2000	<i>Mesures directes et indirectes de l'apprentissage implicite.</i>
Maud Boyer	2001	<i>Les mécanismes d'abstraction dans l'apprentissage de séquences: Etudes empiriques et modélisation.</i>
Robert Reuter	ABD	<i>(Consciousness in visual search)</i>
Nicolas Schmidt	ABD	<i>(Implicit learning and amnesia)</i>
Michael Dubois	ABD	<i>(Skill acquisition)</i>
Dionyssios Theofilou	exp. 2009	<i>(Forward models of sequence learning)</i>
Vinciane Gaillard	2007	<i>Relations entre conscience et contrôle dans l'apprentissage de séquences: Une approche intégrée</i>
Cédric Laloyaux	2007	<i>Sensitivity to changes with and without awareness: An empirical investigation</i>
Muriel Vandenberghe	2007	<i>Les processus d'apprentissage préservés dans l'amnésie : Etude neuropsychologique et cognitive</i>
Antoine Pasquali	exp. 2009	<i>(Forward models of sequence learning)</i>
Stéphane Doyen	exp. 2011	<i>(Unconscious processes in social cognition)</i>
Post-doctoral Fellows	Dates	Current position
Arnaud Destrebecqz	2000-2004	Assistant Professor, ULB
Maud Boyer	2001-2002	Private Sector
Andrew Bremner	2004-2005	Lecturer, Goldsmiths College, UL
Jean-Christophe Sarrazin	2005-2007	Marie Curie Fellow, SRSC
Stéphanie Chambaron	2006-2007	FNRS/ESF Postdoctoral Fellow, SRSC
Bert Timmermans	2007-2009	EU NEST Postdoctoral Fellow, SRSC
Bruno Berbérian	2007-2009	Fyssen Foundation Fellow

SUPERVISION AND ADMINISTRATIVE RESPONSABILITIES

- Yearly supervision of about 2-4 undergraduate thesis projects (“Mémoires”) since 1993.
- Jury member on 25 Ph.D. , HDR, or A.E.S. dissertations:
 - **1995: Khaled Fezzani**, “Contribution expérimentale à l’étude des demandes attentionnelles de l’apprentissage implicite d’une séquence visuo-spatiale”, Université de Toulouse (France), November 2nd.
 - **1996: Theano Anastasopoulou**, University College London (U.K.), April 15th.
 - **1999: Jacques Sougné**, “INFERNET: A neurocomputational model of binding and inference”, Université de Liège (Belgium)
 - **2000: Sébastien Pacton**, “L’apprentissage implicite en dehors du laboratoire: Le cas des régularités orthographiques”, Université de Bourgogne (France), December 22nd.
 - **2001: Johan Bollen**: “A cognitive model of adaptive web design and navigation”, Vrije Universiteit Brussel (Belgium)
 - **2002: Ingmar Visser**: “Hidden Markov models and neural networks in the psychology of learning”, Universiteit Amsterdam (The Netherlands), May 9th.
 - **2003: Sophie Lambert**, “L’impact des facteurs socio-cognitifs dans la modulation de l’effet d’accentuation: Une analyse exploratoire”, Université Libre de Bruxelles, January 10th.

- **2003: José Quesada**, “Latent Problem Solving Analysis (LPSA): A computational theory of representation in complex, dynamic problem solving tasks, Universidad de Granada (Spain), May 6th.
 - **2003: Jean-Christophe Sarrazin** : “ La mémoire spatio-temporelle : Variabilité de la réponse et reproductibilité du souvenir “, Université de la Méditerranée (France), October 24th.
 - **2003: Olivia Trinquard** : “Apprentissage Implicite, Langage et Attention : Le cas des dépendances discontinues”. Université de Bourgogne (France), November 24th.
 - **2003: Gustav Kuhn** : « Implicit learning of musical structures », University of Sussex (UK), December 10th.
 - **2004: Jean-Marc Blanc** : “Traitement de la prosodie par un réseau récurrent temporel”, Université Lumière Lyon II (France), April 6th.
 - **2004: Leonora Wilkinson**: “Methods of assessing unconscious processes in implicit sequence learning”, University College London (UK), December 8th.
 - **2005: Natacha Deroost**, “Perceptual and motor contributions to sequence learning in serial reaction time tasks”, Vrije Universiteit Brussel (Belgium), May 25th.
 - **2005: Jean-Noël Missa** (A.E.S. thesis), “Naissance de la Psychiatrie Biologique”, Université Libre de Bruxelles (Belgium), May 24th.
 - **2005: Stéphanie Chambaron-Ginhac**, “Apprentissage implicite de régularités: Mise en évidence d’une différence d’apprentissage entre tâches motrices continues et discrètes”, Université de Bourgogne (France), December 9th.
 - **2006: Elizabeth Norman**: “Gut feelings and unconscious thought: An exploration of fringe consciousness in implicit cognition”, University of Bergen (Norway), March 30th.
 - **2006: Lionel Naccache** (HDR thesis), “Vers une neurophysiologie cognitive de la conscience”, Université Pierre et Marie Curie Paris VI (France), June 20th.
 - **2006: Régine Kolinsky** (A.E.S. Thesis), “Niveaux de traitement des mots parlés”. Université Libre de Bruxelles, Faculté des Sciences Psychologiques et de l’Education, March 15th.
 - **2006: Nicolas Ruh**, “Acquisition and control of sequential routine activities; Modelling and empirical studies”, Birkbeck College, University of London (U.K.), March 16th.
 - **2006: Bruno Berbérian**, “L’étude de la variabilité dans le codage mnésique: une approche dynamique de la mémoire”, Université de la Méditerranée Aix-Marseille II (France), May 25th.
 - **2007: Ljubisa Placé**, “Caractéristiques des processus conscients et non-conscients à travers deux paradigmes de la psychologie cognitive”, Université de Rennes 2 — Haute Bretagne (France), September 10th.
 - **2007: Hélène Gauchou**, “Informations relationnelles en mémoire à court terme visuelle”, Université Paris V (France), December 13th.
 - **2008: Christel Devue**, “The visual processing of self-referential stimuli: Do we process our own face differently from other faces?”, Université de Liège (Belgium), April 18th.
 - **2008: Maximilien Chaumon**, “Apprentissage implicite du contexte visuel et guidage de la perception: Expériences MEG et EEG intracrânien”, Université Pierre et Marie Curie (Paris, France), June 3rd.
 - **2008: Sophie Portrat**, “Mémoire de travail et fonctions exécutives: L’apport du modèle de partage temporel des ressources”, Université de Bourgogne (Dijon, France), October 17th.
- **Coordinator** of the Advanced Degree in Cognitive Science organized by the Université Libre de Bruxelles, 1996-2007.
 - **Director** a.i. of the Doctoral School in Cognitive Science, Université Libre de Bruxelles 1999-2000.
 - **Director** of the Doctoral School in Cognitive Science, Université Libre de Bruxelles 2003-2007.
 - **Director** of the Séminaire de Recherche en Sciences Cognitives (Cognitive Science Research Unit), Université Libre de Bruxelles (since 1995).
 - **Member** of the Administration Council of the Université Libre de Bruxelles, 2008-

CONFERENCES AND WORKSHOPS ORGANIZATION

- **Co-Organizer** (with Alain Content) of a Workshop titled “Representation and Process in Implicit Learning” held on May 22, 1995 at the Fondation Universitaire (Brussels) as part of the “Groupes de contact du FNRS: Etude des processus cognitifs” series.
- **Main organizer** of the 50th Anniversary Meeting of the Belgian Psychological Society, held in Brussels on April 25, 1997.
- **Main organizer** of the fourth annual meeting of the Association for the Scientific Study of Consciousness, held in Brussels, June 29—July 2, 2000.
- **Workshop leader**, “Implicit and explicit processes in cognition” workshop delivered for the “Toward a Science of Consciousness” conference, Tucson (USA), April 6, 2002.

- **Workshop leader**, "Introduction to connectionist modeling" workshop organized by the Graduate Program in Cognitive Psychology, Swiss National Science Foundation, Bern, February 22—24, 2001.
- **Symposium co-chair**, "Nonconscious intelligence: From Natural to Artificial". Symposium organized for the 2001 convention of the Society for the Study of Artificial Intelligence and the Simulation of Behavior (SSAISB) held in York (UK), March 21—24, 2001.
- **Member of the programme committee** of the Second European Conference on Cognitive Modeling (ECCM-98), held in Nottingham (U.K.), April 1—4, 1998.
- **Member of the scientific programme Committee** of the Sixth Neural Computation and Psychology Workshop (NCPW6), held September 16—18, 2000 at the Université de Liège (Belgium).
- **Member of the organizing committee** of the Fourth International Conference on Cognitive Modeling (ICCM-2001), held July 26—28, 2001 at George Mason University (USA).
- **Member of the programme committee** of the 23rd Annual Conference of the Cognitive Science Society, held August 1—4, 2001 at the University of Edinburgh (U.K).
- **Member of the programme committee** of the 24th Annual Conference of the Cognitive Science Society, held August 7—11, 2002 at George Mason University (USA).
- **Member of the programme committee** of the 6th Annual Conference of the Association for the Scientific Study of Consciousness, held May 31—June 3, 2001 at the University of Barcelona (Spain).
- **Member of the programme committee** of the 7th Annual Conference of the Association for the Scientific Study of Consciousness, held May 30—June 2, 2003 at the University of Memphis (USA).
- **Member of the programme committee** of the 8th Annual Conference of the Association for the Scientific Study of Consciousness, to be held 2004 at the University of Antwerp (Belgium).
- **Co-Organizer** (with Erik Myin) of a workshop titled "Space and Time: Between Phenomenology and Neuroscience", held on November 21st at the Vrije Universiteit Brussel (Belgium).
- **Workshop leader**, "A brief introduction to computational modeling in cognitive science" workshop organized at the 1st Workshop on Cognitive and Social Perspectives on (Un)consciousness, Kazimierz Dolny (Poland), February 11-13, 2005.
- **Member of the programme committee** of the 10th Annual Conference of the Association for the Scientific Study of Consciousness, held June 23-26, 2006 at the University of Oxford (U.K).
- **Member of the programme committee** of the 3rd European Workshop on Movement Science, to be held 2006 in Amsterdam (The Netherlands).
- **Member of the programme committee** of the Annual Meeting of the Cognitive Science Society, to be held 2006 in Vancouver (Canada).
- **Workshop leader**, Two lectures delivered during the 2006 Summer School on Executive Control, Bernried (Germany), August 7-11, 2006.
- **Member of the programme committee** of the "Towards a Science of Consciousness 2007" meeting, to be held July 23-26, 2007 in Budapest (Hungary).
- **Member of the scientific committee** of the European Workshop on Movement Science, held May 31-June 2, 2007 in Amsterdam (The Netherlands).
- **Member of the scientific committee** of the Annual Meeting of the Belgian Association for Psychological Sciences, held June 1, 2007 in Louvain-La-Neuve (Belgium).
- **Member of the organizing committee and of the scientific committee**, 2nd Summer School on Consciousness dedicated to "Consciousness and Action", to be held at the Institut d'Etudes Scientifiques, June 4-16, 2007 in Cargèse (Corsica, France).
- **Faculty**, 14th International Summer School in Cognitive Science, held July 9-28, New Bulgarian University (Sofia, Bulgaria),
- **Member of the scientific committee** of the 13th Annual Meeting of the Association for the Scientific Study of Consciousness, to be held June 2009, Berlin (Germany).

MEDIA

- Design and maintenance of several WWW sites:
 - 1995-2004: Belgian Psychological Society
 - 1997-2000: Faculté des Sciences Psychologiques et de l'Éducation, Université Libre de Bruxelles
 - 1998-2002: European Society for Cognitive Psychology

CONSULTANCY

- **Expert** for the “Meeting of Minds” initiative, 2005-2006
- **Expert** for the King Baldwin Foundation, 2004, 2005
- **Expert** for the ESF Eurocores Program “Consciousness in a Natural and Cultural Context”, 2004
- **Member** of the accreditation commission for Cognitive Science (NVAO, The Netherlands), 2004
- **Expert** for the FP6 Infrastructure program (European Commission), 2004-2005
- **Expert** for the FP6 NEST program (European Commission), 2004-2006
- **Member** of the 22nd commission (Psychological Sciences) of the N.F.S.R. (Belgium), 2003-
- **Member** of the “visitiatiecommissie Psychologie” (Vlaamse Interuniversitaire Raad), 2003
- **External Examiner** for the MSc in Psychological Research, Department of Psychology, University of Wales at Bangor (U.K.), 2002-2005
- **Referee** for the Swiss National Science Foundation (Switzerland), 2001, 2007
- **Expert** for the OCDE - CERI programme on “Brain Research and Learning Sciences”, 1999
- **Referee** for the Animal Sciences & Psychology Committee of the Biotechnology and Biological Sciences Research Council (UK)
- **Referee** for the Economic and Social Research Council (UK)
- **Referee** for the Groupement d’Intérêt Scientifique: Sciences de la Cognition (France)
- **Referee** for the Leverhulme Trust (UK), almost yearly
- **Referee** for the National Science Foundation (USA)
- **Referee** for the Conseil Régional Nord-Pas de Calais (France)
- **Referee** for the Conseil Régional Rhône-Alpes (France), 2004
- **Referee** for the Nederlandse Organisatie voor Wetenschappelijk Onderzoek (NWO), 2005, 2008
- **Referee** for the Austrian Research Council (Austria), 2006, 2008
- **Referee** for the Finnish Academy of Science (Finland), 2006
- **Referee** for the Agence Nationale de la Recherche (France), 2007
- **Reviewer** for the New Zealand Antarctic programme (New Zealand), 2007

EDITORIAL ACTIVITIES

- 2008- Member of the editorial board of *Psyche*
- 2005- Consulting Editor, *European Journal of Cognitive Psychology*
- 2000-2005 Editor, *Psychologica Belgica*
- 1998- Action Editor, *Journal of Complex Systems Research*
- 1998- Associate Editor for *Current Psychology of Cognition/Cahiers de Psychologie Cognitive*
- 1998-2001 Series Editor, *Implicit cognition and consciousness* book series, Kluwer Academic Publishers
- 1997-2000 Associate Editor for the *Quarterly Journal of Experimental Psychology*
- 1997-2000 Associate Editor for the *European Journal of Cognitive Psychology*
- 1997-1999 Consulting Editor for the *Journal of Experimental Psychology: Learning, Memory, and Cognition*
- 1996-1999 Member of the editorial board of *Psychologica Belgica*
- 1995-1998 Member of the editorial board of *Cahiers de Psychologie Cognitive*
- 1994- *Behavioral and Brain Sciences* Associate
- 1992- Referee for the *Annual Conference of the Cognitive Science Society*
- **Ad Hoc Referee for:**
Connection Science, Memory and Cognition, Machine Learning, Neural Computation, Cognitive Psychology, Cognitive Science, Psychonomic Bulletin & Review, European Bulletin of Cognitive Psychology, International Journal of Psychology, Behavioral and Brain Sciences, IEEE Transactions on Neural Networks, L’Année Psychologique, Organizational Behavior and Human Decision Processes, Consciousness and Cognition, Psychological Research, Neuropsychologia, Psychological Science, International Joint Conference on Artificial Intelligence 99, Cognition, Psychological Review, Psychological Bulletin, Cognitive Neuropsychology, Psychology and Aging, Trends in Cognitive Sciences, Journal of Gerontology, AI Magazine, Neuropsychopharmacology, Philosophical Transactions of the Royal Society B,

Experimental Brain Research, Science, Cognitive Processing, Neurophysiology, Human Brain Mapping, Journal of Theoretical Biology

SCIENTIFIC SOCIETIES

- Lifeboat Foundation (member of the Scientific Advisory Board)
 - National Committee for the Psychological Sciences, Royal Academy of Arts and Sciences (deputy-secretary general, 2001-)
 - Experimental Psychology Society (member)
 - Belgian Association for Psychological Science (**president-elect**, 2005-2008, **past-president**, 2008-2011)
 - Belgian Psychological Society (secretary-general 1996-1999; vice-president 1999-2005)
 - European Society for Cognitive Psychology (full member 1993-, executive committee member 2005-2008, **president**, 2009-2011)
 - Cognitive Science Society (member)
 - American Psychological Society (member)
 - Association for the Scientific Study of Consciousness (member 1996-; executive board member, 1999-)
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VISITS AND RESEARCH TRIPS

- 2005 Université de la Méditerranée: Unité Mouvement et Perception (M.-D. Giraudo): 2 months
 - 2001 University of Colorado at Boulder: Department of Psychology (R.C. O'Reilly): 12 months
 - 2000 University College London: Department of Psychology (D. Shanks)
 - 1998 Université de Bourgogne: LEAD (P. Perruchet)
 - 1996 University College London: Department of Psychology (D. Shanks)
 - 1995 Université de Bourgogne: LEAD (P. Perruchet)
 - 1993 University of Aarhus: Department of Psychology (S. Chaiklin & C. Sinha)
 - 1993 University of Oregon: Department of Psychology (S.W. Keele)
 - 1993 City University of New York: Department of Psychology (A.S. Reber)
 - 1993 Carnegie Mellon University: Department of Psychology (J.L. McClelland)
 - 1993 University of California: San Diego, Center for Research on Language (J.L. Elman)
 - 1993 Université de Genève (U. Frauenfelder)
 - 1992 MRC APU, Cambridge (R. Ward & D. Shanks)
 - 1991 University of California: San Diego, Center for Research on Language (J.L. Elman)
 - 1987 Oxford University, Department of Psychology (D.E. Broadbent)
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PUBLICATIONS

BOOKS (2)

1. **Cleeremans, A.** (1993). *Mechanisms of Implicit Learning: Connectionist Models of Sequence Processing*. Cambridge, MA: MIT Press/Bradford Books.
2. **Cleeremans, A.** (under contract). *Being Virtual*. Oxford University Press.
3. Kouider, S., & **Cleeremans, A.** (under contract). From neurons to the mind: A guide to the science of consciousness. Oxford University Press.

EDITED BOOKS (3)

4. Bayne, T., **Cleeremans, A.**, & Wilken, P. (2009). *The Oxford Companion to Consciousness*. Oxford:

- Oxford University Press.
5. **Cleeremans, A.** (2003). *The Unity of Consciousness: Binding, Integration, and Dissociation*. Oxford: Oxford University Press.
 6. French, R.M., & **Cleeremans, A.** (2002). *Implicit Learning and Consciousness: An empirical, philosophical and computational consensus in the making*. Hove: Psychology Press.

EDITED SPECIAL ISSUES OF JOURNALS AND PROCEEDINGS (6)

7. Taylor, J.G., Freeman, W., & Cleeremans, A. (2008). *Brain and Consciousness*, Special issue of *Neural Networks*.
8. Altmann, E. M., **Cleeremans, A.**, Schunn, C. D., & Gray, W. D. (2001). *Fourth International Conference on Cognitive Modeling*. Mahwah, NJ: Erlbaum.
9. Lewicki, P., & **Cleeremans, A.** (2001). *Proceedings of the AISB'01 Symposium on Nonconscious Intelligence: From Natural to Artificial. Society for the Study of Artificial Intelligence and the Simulation of Behavior*, 81 pp.
10. **Cleeremans, A.** (2000). *Proceedings of the fourth Annual Meeting of the Association for the Scientific Study of Consciousness*. Special issue of *Consciousness and Cognition*, 9 (2), 102 pp.
11. **Cleeremans, A.**, & Content, A. (1997). *Current directions in implicit learning*. Special issue of *Psychologica Belgica*, 37.
12. **Cleeremans, A.**, Kolinsky, R., & Mousty, P. (1997). *Proceedings of the 50th Anniversary Meeting of the Belgian Psychological Society*. Brussels: The Belgian Psychological Society.

BOOK CHAPTERS (13)

13. **Cleeremans, A.** & Dienes, Z. (2008). Computational Models of Implicit Learning. In R. Sun (Ed.), *The Cambridge Handbook of Computational Modeling*, Cambridge, MA: Cambridge University Press, pp. 396-421.
14. **Cleeremans, A.** (2006). Conscious and unconscious cognition: A graded, dynamic perspective. In Q. Jing, M.R. Rosenzweig, G. d'Ydewalle, H. Zhang, H.-C. Chen & K. Zhang (Eds.), *Progress in Psychological Science Around the World Volume 1: Neural, Cognitive, and Developmental Issues (Proceedings of the 28th International Congress of Psychology)*, Hove, UK: Psychology Press, pp. 401-418.
15. **Cleeremans, A.** (2005). L'unité de la conscience. In M. Cazenave (Ed.), *De la science à la philosophie: Y a-t-il une unité de la connaissance?*, Paris: Albin Michel, pp. 147-171.
16. Peigneux, P., Laureys, S., **Cleeremans, A.**, Maquet, P. (2003) Cerebral correlates of memory consolidation during human sleep: Contributions of functional neuroimaging. In : P. Maquet, C. Smith & B. Stickgold (Eds.), *Sleep and Brain Plasticity*. London : Oxford University Press, pp. 209-224.
17. **Cleeremans, A.** (in press). Hans le Malin: Les Sciences Cognitives à la croisée des chemins. In *Rencontres en Psychologie*, Éditions de l'Université Libre de Bruxelles.
18. Destrebecqz, A., & **Cleeremans, A.** (2003). Temporal effects in sequence learning. In L. Jiménez (Ed.), *Attention and Implicit Learning* (pp. 181-213). Amsterdam: John Benjamins Publishing.
19. **Cleeremans, A.** & Jiménez, L. (2002). Implicit learning and consciousness: A graded, dynamic perspective. In French, R.M. & Cleeremans, A. (Eds.), *Implicit Learning and Consciousness: An empirical, philosophical and computational consensus in the making* (pp. 1-40). Hove: Psychology Press,
20. **Cleeremans, A.** & Jiménez, L. (1998). Implicit Sequence Learning: The truth is in the details. In M. Stadler & P. Frensch (Eds.), *Handbook of Implicit Learning* (pp. 323-364). Newbury Park, CA: Sage.
21. **Cleeremans, A.** (1997). Principles for implicit learning. In D. Berry (Ed.), *How implicit is implicit learning?* (pp. 195-234). Oxford (England): Oxford University Press.
22. **Cleeremans, A.**, Servan-Schreiber, D, & McClelland, J.L. (1995). Graded State Machines: The representation of temporal contingencies in feedback networks. In Y. Chauvin & D.E. Rumelhart (Eds.), *Back-propagation: Theory, Architectures and Applications*. Hillsdale, NJ: Lawrence Erlbaum Associates. [see also Journal articles]
23. **Cleeremans, A.** (1994). The representation of structure in explicit prediction tasks. In C. Umiltà & M. Moscovitch (Eds.), *Attention and Performance XV: Conscious and non-conscious information processing* (pp. 783-809). Cambridge, MA: MIT Press.
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- Cleeremans, A.** (2005). Learning and consciousness: Descartes, Zombies, etc. Symposium presentation at the 2005 Meeting of the Belgian Association for Psychological Sciences, Ghent (Belgium), May 27th. Book of abstracts p. 3.
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- Cleeremans, A.** (1999). Mental, Neural and Computational Correlates of Representation: How classical theories of mind leave no room for implicit cognition. Oral presentation at the 31st Annual General Meeting of the European Brain and Behaviour Society, Rome (Italy), September 29 — October 2. In Book of Abstracts, p. 20.
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- Cleeremans, A.** & Jiménez, L. (1997). From zombies to Star Trek's commander Data: How traditional models of cognition leave no room for the implicit. Oral presentation at the first conference of the Association for the Scientific Study of Consciousness: "What does Implicit Cognition tell us about Consciousness", Claremont College (USA), June 13 — 16.
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- Cleeremans, A.** (1996). The shadow theory of mind: How traditional metaphors of cognition leave no room for implicit learning. Paper presented at the *1996 Annual Conference of the British Psychological Society*, Brighton (UK), April 11 — 14.
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- Destrebecqz, A. & **Cleeremans, A.** (1995). Implicit Learning: Neither abstract nor based on exemplars. Poster presented at the *Annual Meeting of the Belgian Psychological Society*, Louvain-La-Neuve (Belgium), May 11, 1995.
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- Navarre, M.-C., & **Cleeremans, A.** (1994). Implicit learning in the presence of conflicting cues. Poster presented at the *Annual Meeting of the Belgian Psychological Society*, Liège (Belgium), May 6th, 1994.
- Cleeremans, A.** (1993). Attention and awareness in sequence learning. In *Proceedings of the Sixth Conference of the European Society for Cognitive Psychology*, 22.
- Cleeremans, A.** (1992). Sequence learning: An empirical comparison of three simulation models. Poster presented at the *25th International Congress of Psychology*, Brussels (Belgium), July 19-24. Abstract published in the *International Journal of Psychology*, 27, 123.
- Cleeremans, A.**, & Ward, R. (1992). Implicit learning of feature conjunctions: Representation and limits on learning. Poster presented at the 25th International Congress of Psychology, Brussels (Belgium), July 19-24. Abstract published in the *International Journal of Psychology*, 27, 115.
- Cleeremans, A.**, & McClelland, J.L. (1990). Unintentional learning of sequential structure. Paper presented at the *4th Conference of the European Society for Cognitive Psychology*, Como (Italy), September 16 — 19.
- Cleeremans, A.** (1990). Modeling sequence learning with simple recurrent networks. Paper presented at the colloquium *Connectionist approaches in cognitive science*, Brussels (Belgium), Palais des Académies,

September 11 — 12.

Cleeremans, A. (1986). Rôle des connaissances implicites dans le contrôle d'un système. Poster presented at the *Annual Meeting of the Belgian Psychological Society*, Brussels (Belgium). Abstract published in *BVP/SBP bulletin*, 2.

TECHNICAL REPORTS

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Servan-Schreiber, D., **Cleeremans, A.**, & McClelland, J.L. (1988). Learning sequential structure in simple recurrent networks. Technical Report CMU-CS-88-183, Computer Science Department, Carnegie Mellon University.

INVITED SEMINARS, CONFERENCES & WORKSHOPS

2008 **What defines consciousness?** Invited plenary address, Belgian Brain Congress 2008 (Oostende, Belgium), October 24th.

Conscious and unconscious processing: A conceptual sketch. Invited colloquium, Fritz Strack group, University of Wurzburg (Wurzburg Germany), July 9th.

Consciousness and metarepresentation: A computational sketch. Invited presentation at the CSCA symposium titled "Distributed Processing Models", Universiteit van Amsterdam, (Amsterdam, The Netherlands), June 27th.

Consciousness: The Radical Plasticity Thesis. Keynote lecture presented at the Koninklijke Vlaamse Akademie van België (Belgium)'s lecture cycle dedicated to "Brain, Consciousness, and Soul", May 6th.

Consciousness takes time: Evidence from sequence learning, conditioning, and action studies. Keynote lecture presented at the VolkswagenStiftung Workshop titled "Consciousness and time" (Edinburgh, Scotland), April 1st.

Consciousness and Control. Keynote lecture presented at the "Action Monitoring and Behavioural Adjustment" Graduate Student Workshop, RWTHAachen University (Germany), March 15th.

Comment apprendre sans conscience nous fait apprendre à être conscients. Invited conference presented at the Archives Jean Piaget, Université de Genève (Switzerland), March 11th.

2007 **The radical plasticity thesis.** Invited conference presented at the Instituto de Filosofia de Langagem Universidade Nova de Lisboa (Lisbon, Portugal), on the occasion of a Workshop titled "Emotion, Cognition, and Communication, December 20th.

Conscience et apprentissage. Invited conference presented on the occasion of a symposium celebrating the career of Jean-Paul Haton (Saint-Dié des Vosges, France), 25th October.

Learning and consciousness. Invited keynote lecture presented at the NWO Autumn School on "Learning and Social Cognition" (Arnhem, The Netherlands), 14th October 2007.

Learning to be conscious. Invited conference presented at the Berlin-Brandenburgische Akademie der Wissenschaften (Berlin, Germany), on the occasion of a Workshop titled "Functions of Consciousness", July 19th.

Learning to be conscious: The Radical Plasticity Thesis. Invited conference presented at the 2nd Summer School on Consciousness, Institut d'Etudes Scientifiques de Cargèse (Corsica, France), June 15th.

Comment sommes-nous conscients? Invited presentation on the occasion of the 10th Anniversary of the DANA Alliance for the Brain, Université Libre de Bruxelles (Belgium), April 24th.

Learning and consciousness. Invited seminar at the "Laboratoire Langage, Mémoire et Développement Cognitif, CNRS", Université de Poitiers (France), January 11th

Learning to be conscious. Invited seminar at the "Laboratoire d'étude des mécanismes cognitifs, CNRS", Université de Lyon 2 (France), February 5th.

2006 **Conscious experience as the brain's unconscious understanding of itself.** Invited presentation at the "The Self and the soul in science and society" conference, House of Lords, London (U.K.), November 27th.

The dynamics of consciousness: Temporal factors shape interactions between conscious and unconscious information processing. Invited plenary lecture at the workshop titled "Models of Brain

& Mind: Physical, Computational, and Psychological Approaches”, Saha Institute of Nuclear Physics, Calcutta (India), November 21st-28th.

Learning and consciousness. Invited seminar in the “Whitehead Seminar Series”, Goldsmith College, London (U.K.), October 18th.

Imaging Consciousness: Space and Time in the Brain. Invited keynote presentation at the XXth Brijuni Conference, Brijuni Island (Croatia), August 26th.

Consciousness takes time. Invited keynote presentation at the 2nd Workshop on Cognitive and Social Perspectives on (Un)consciousness, Kazimierz Dolny (Poland), July 10th.

Learning and consciousness. Invited keynote presentation at the Sixth Congress of Spanish Society for Experimental Psychology, University of Santiago (Santiago de Compostela, Spain), July 6th.

Being Virtual: A graded, adaptive perspective on consciousness and self. Invited keynote presentation at the 4th Multidisciplinary Symposium by the NWO Cognition Programme (Utrecht, The Netherlands), June 28th.

Corrélatés neuraux des apprentissages avec et sans conscience. Invited seminar at the Assemblée Générale du Centre de Recherche en Neurosciences, Université Catholique de Louvain (Brussels, Belgium), May 16th.

Apprendre sans le savoir ou savoir sans apprendre. “Café des Sciences” with Serge Schiffman, Université Libre de Bruxelles (Brussels, Belgium), March 15th.

A la recherche des corrélats neuraux de la conscience : Comment réconcilier données objectives et subjectives. Invited colloquium in the conference series « Ilya Prigogine — Penser la Science », Université Libre de Bruxelles (Brussels, Belgium), March 2nd.

Les corrélats neuraux de la conscience. Séminaire invité présenté au Service de Psychiatrie, Hôpital Erasme (Brussels, Belgium), February 17th.

Consciousness as a tipping point. Invited presentation at the Mars Inc. Catalyst-MDRU Meeting (McLean, USA), February 15th.

Comment apprendre sans conscience nous fait apprendre à être conscient. Séminaire invité présenté à l’Institut Jean Nicod (Paris, France), February 3rd.

2005 Consciousness as a continuum: Computational and neural correlates of the implicit-explicit distinction. Invited colloquium at the Psychology Department, Ludwig-Maximilians-Universität (Munich, Germany), October 26th.

Principes généraux d’une théorie de la conscience, invited workshop at the “Conscience, Mémoire et Attention” summer school, Cargèse (Corsica, France), June 6th-18th.

Introductory lecture, invited presentation at the “Conscience, Mémoire et Attention” summer school, Cargèse (Corsica, France), June 6th-18th.

Consciousness as global constraint satisfaction: From control to automaticity. Invited keynote presentation at the European Workshop on Movement Science, Vienna (Austria), June 2nd-4th.

Entre mémoire et action: A la recherche des bases cérébrales de la conscience. Invited presentation for the festival “Science et Cité”, Geneva (Switzerland), May 21st.

Being Virtual: A graded, dynamic perspective on the relationships between conscious and unconscious cognition. Invited Keynote lecture presented at the 1st workshop on cognitive and social perspectives on (un)consciousness, Kazimierz Dolny (Poland), February 11th.

2004 Ce qui fait que nous sommes humains: A la recherche des corrélats neuraux de la conscience. Invited presentation for Altaïr, Université Libre de Bruxelles (Belgium), December 11th.

Comment devenir un zombie intelligent: Une perspective gradualiste sur les rapports entre cognition avec et sans conscience. Invited presentation at the LEAD, Université de Bourgogne (France), December 2.

Being Virtual: How we learn to be conscious. Invited colloquium at the Institute for Cognitive Neuroscience, University College of London (U.K.), November 15.

Conscious and unconscious learning: A computational perspective. Invited keynote presentation at the XXVIII International Congress of Psychology, Beijing (China), August 8 — 13.

The subtlety of gradedness: Connectionist models of implicit learning. Keynote presentation delivered at the small group meeting titled “Social Connectionism”, Genval (Belgium), June 16 — 19.

Learning and Consciousness: A graded, dynamic perspective. Invited colloquium at the Unité de Neuroimagerie cognitive, Service Hospitalier Frédéric Joliot, Orsay (France), June 11.

Consciousness. Invited presentation in the symposium titled “Revealing connections: Insights from connectionist models for the dynamics of human learning” organized at the 16th Annual Convention of the American Psychological Society, Chicago (USA), May 27-30.

Conscience et contrôle: Une perspective dynamique. Invited seminar at the Institut de Psychologie,

Université Paris 5 (France), March 29.

Conscience et apprentissage: Une perspective gradualiste. Invited seminar in the “Séminaires de neurosciences cliniques”, Hôpital Erasme, Université Libre de Bruxelles (Belgium), March 22nd.

Conscience et contrôle: Une perspective dynamique. Invited seminar at the Neuropsychology Unit, Université de Liège (Belgium), March 18.

2003 Learning to be conscious. Invited Departmental Colloquium, Department of Psychology, University of Sussex (U.K.), December 11.

Conscience et contrôle: Une perspective dynamique. Invited Departmental Seminar, Département des Sciences du Mouvement Humain, Université de la Méditerranée—Aix-Marseille II, October 23.

The search for the computational correlates of consciousness. Invited presentation at the ESF/PESC Exploratory Workshop titled “Models of Consciousness”, Birmingham (U.K.), September 1-3.

The search for the computational correlates of consciousness. Invited keynote presentation at the 11th meeting of the European Society for Philosophy and Psychology, Turin (Italy), July 9th-12th.

The search for the computational correlates of consciousness. Invited keynote presentation at the 7th meeting of the Association for the Scientific Study of Consciousness, Memphis (U.S.A.), May 31.

Consciousness and cognitive control: A graded, dynamic perspective. Invited presentation at the Department of Psychology, University of Granada (Spain), May 6.

2002 Learning to be conscious. Invited presentation at the “Consciousness Club” seminar series, Functional Imaging Laboratory (U.K.), October 3.

Learning and Consciousness: A graded, dynamic perspective. Invited colloquium presented to the Department of Psychology, University of Arizona (U.S.A.), April 5.

Implicit learning: How unconscious? How abstract? Invited colloquium presented to the Institute of Cognitive Science, University of Colorado at Boulder (U.S.A.), March 8.

A graded, dynamic perspective on consciousness: Reconciling symbolic and subsymbolic approaches to cognition. Seminar presented to the Centre de Recherches en Epistémologie Appliquée (CREA, Ecole Polytechnique), Paris (France), February 12.

2001 Learning and Consciousness: A graded, dynamic perspective. Departmental “Cognitive Lunch” presented to the Department of Psychology, University of Colorado at Boulder (U.S.A.), December 10.

Learning and Consciousness: A graded, dynamic perspective. Departmental Colloquium presented in the Distinguished Speaker in Development series, Department of Psychology, Cornell University (U.S.A.), November 10.

Rules vs. Statistics: The other “hard” problem. Graduate Seminar presented in the Department of Psychology, Cornell University (U.S.A.), November 9.

Learning and Consciousness: A graded, dynamic perspective. Seminar presented at the CCN Lab Seminar Series, Psychology Department, University of Colorado at Boulder (U.S.A.), September 28.

Behavioral, Neural, and Computational Correlates of Implicit and Explicit Learning. Invited presentation at the Symposium “Interactions between implicit and explicit learning” (Organizers: Ron Sun & Robert C. Mathews), held during the Twenty-Third Annual Conference of the Cognitive Science Society, Edinburgh (Scotland), August 1 — 4.

Il y a-t-il une unité de la conscience? Invited presentation delivered at the colloquium “Bruxelles 2001 - Quelle unité de la connaissance?” held at la Hulpe (Belgium), June 12 — 15.

Learning and consciousness: A graded, dynamic perspective. Invited presentation at the VSPA Conference on Consciousness (Amsterdam, The Netherlands), June 1.

Being Virtual: Consciousness and self as graded, dynamic phenomena. Invited presentation at a workshop titled “Can a machine be conscious?” held at the Banbury Center (Cold Spring Harbor Laboratory, Long Island, USA), May 13 — 16.

L'unité de la conscience. Invited presentation delivered at the “Journée thématique sur la Correspondance des Sens: Synesthésie, physique et neuropsychologie”, Fondation Nicolas-Claude Fabri de Peiresc (Brussels, Belgium), April 5.

Learning and consciousness: A graded, dynamical perspective. Presentation delivered at the AISB-01 convention symposium “Nonconscious intelligence: From Natural to artificial”, held at the University of York (UK), March 21 — 24.

Action and consciousness: A graded, dynamical perspective. Invited keynote presentation at the “SportMotorik 2001: Bewusstsein, Bewegung, Lernen” conference held at the Justus-Liebig Universität Giessen (Germany), January 25 — 27.

2000 Learning and consciousness: A graded, dynamical perspective. Invited seminar presented at the

- Laboratoire de Psychologie Cognitive, Université de Provence à Aix (France), December 15.
Learning and consciousness: A graded, dynamical perspective. Invited colloquium presented for the Unit of Experimental and Theoretical Psychology, Universiteit Leiden (Netherlands), October 4.
Learning and consciousness: A graded, dynamical perspective. Invited mini-course delivered in the context of the Würzburg Summer School on Learning: The Acquisition of Behavioral Competence (Organizer: J. Hoffmann), Würzburg, September 22 — 27.
Learning and consciousness: A graded, dynamical perspective. Invited keynote presentation at the third international conference on cognitive modeling (ICCM-2000), Groningen (The Netherlands), March 25.
Sensitivity to abstract sequence structure: Learning without knowing, or knowing without learning? Invited seminar presented in the weekly Cognitive Science Seminar series, Department of Psychology, Birkbeck College (U.K.), March 1.
Consciousness and knowledge representation in sequence learning. Invited departmental seminar presented at the Department of Psychology, University College London (U.K.), February 29.
Learning and consciousness. Invited seminar presented in the IRIDIA "Sciences sans frontières" seminar series, Université Libre de Bruxelles (Belgium), February 25.
- 1999** **Consciousness and knowledge representation in sequence learning.** Invited colloquium presented at the Department of Psychology, Humboldt University of Berlin, November 8.
Consciousness and knowledge representation in sequence learning. Invited seminar presented at the Department of Psychology, University of York (U.K.), September 7.
Apprendre un langage avec vos doigts: Modèles connexionistes des l'apprentissage de séquences. Invited seminar in the "Séminaire sur les applications et les implications de l'informatique" series, Department of Psychology, Université Libre de Bruxelles (Belgium), March 26.
Learning language with your fingers: Connectionist models of sequence processing. Invited seminar presented at the AI Lab, Vrije Universiteit Brussels (Belgium), March 19.
- 1998** **Implicit cognition: Damned if you do, damned if you don't.** Invited lecture delivered at a workshop titled "The role of implicit memory and implicit learning in representing the world", Université de Liège (Belgium), March 28.
Is sequence learning (a) implicit? (b) automatic? (c) abstract? (d) none of the above? Invited seminar presented at the Department of Psychology, University of Wales, Bangor (U.K.), February 20.
Sequence learning: An overview. Talk presented at the Ulg IUAP workshop, Liège (Belgium), January 9.
- 1996** **Implicit cognition with the symbolic metaphor of mind: How traditional models of cognition leave no room for the implicit.** Invited seminar presented at the Faculté de Psychologie, Université de Liège (Belgium), December 5.
Implicit cognition with the symbolic metaphor of mind: How traditional models of cognition leave no room for the implicit. Invited seminar presented at the Department of Psychology, University of Glasgow (U.K.), November 14.
Principes de l'apprentissage implicite. Invited seminar presented at the LEAD, Université de Bourgogne à Dijon (France), January 17.
Métaphores symboliques et connexionistes de l'esprit: Implications pour l'apprentissage implicite. Invited seminar presented at the Laboratoire de Psychologie Sociale de la Cognition, Université Blaise Pascal à Clermont-Ferrand (France), January 16.
- 1995** **Beyond the SRN: Modeling sequence learning with Recurrent Encoder Networks.** Paper presented at the "Sequence learning and sequencing" workshop, Max Planck Institut für Psychologische Forschung, Munich (Germany), November 16 — 17.
Cinq principes pour l'apprentissage implicite. Invited conference presented at the Laboratoire Travail et Cognition, Université Toulouse II (France), November 3.
- 1994** **Exploring and interpreting dissociations in implicit learning.** Invited seminar presented at the Service de Neuropsychologie, Université de Liège (Belgium), November 9.
Connectionist networks as models of human sequence learning: An overview. Invited seminar presented at the Department of Computer Science, University of Sheffield (UK), July 4.
Représentations et processus dans l'apprentissage implicite: Les vertus du connexionisme. Invited seminar presented at the Unité de Psychologie du Travail et des Organisations, Université Catholique de Louvain (Belgium), April 21.

Being explicit about implicit learning. Main presentation at the Implicit-Explicit Workshop, University of Sussex, Brighton (UK), March 23.

- 1993 Les métaphores de l'Esprit.** Conference presented at the Institut des Hautes Etudes, ULB (Belgium), November 25.
The psychology of connectionism. Lecture presented at the Institute of Psychology, University of Aarhus (Denmark), November 15.
Attention and awareness in sequence learning. Seminar presented at the Department of Psychology, University of Oregon (USA), June 22.
Attention and awareness in sequence learning. Seminar presented at the weekly research meeting of the PDP group, Carnegie Mellon University (USA), April 9.
Attention and awareness in sequence learning. Colloquium presented at the Department of Psychology, Katholieke Universiteit Brabant, Tilburg (The Netherlands), March 25.
Attention and explicit knowledge in sequence learning. Seminar presented at the Laboratoire de Psychologie Expérimentale, ULB (Belgium), February 25.
Mechanisms for implicit learning. Seminar presented at the Department of Psychology, Université de Genève (Switzerland), February 17.
- 1992 Sequence processing in human and artificial systems.** Colloquium presented at the Psychologisches Institut, Universität Bonn (Germany), March 25.
Learning disjoint sequential contingencies: Human performance and connectionist models. Seminar presented at Université René Descartes, Paris (France), February 14.
- 1991 Mechanisms of implicit learning: A PDP model of sequence acquisition.** Colloquium presented at the PDP-NLP meeting, University of California: San Diego (USA), April 9.
- 1990 Graded State Machines.** Seminar presented at the AI-Lab, VUB (Belgium), July 3.
- 1989 Implicit learning of sequential structure in a CRT task.** Seminar presented at IRIDIA, ULB (Belgium), August 22.
Learning sequential structure. Paper presented at the seventh annual Pitt-CMU conference on Cognition, LRDC, University of Pittsburgh (USA), June 16.
- 1988 Learning in simple recurrent networks.** Seminar presented at the research meeting of the Boltzmann group, Department of Computer Science, Carnegie Mellon University (USA), October 5
Learning in recurrent networks. Seminar presented at the Laboratoire de Psychologie Industrielle et Commerciale, ULB (Belgium), June 28.
- 1987 Associations et dissociations entre performance et connaissances verbalisables.** Seminar presented at the weekly research meetings series of the Laboratoire de Psychologie Expérimentale, ULB (Belgium), June 18.
Modèles connexionnistes et apprentissage implicite. Seminar presented at IRIDIA, ULB (Belgium), June 2.

INTERACTIONS WITH THE MEDIA

- 21st October 2008: Radio interview on "Radio Campus" for "Science sans conscience n'est que ruine de l'âme, mais conscience sans science n'est qu'un vilain gros mot" (with Alexandre Wajnberg).
- 28th September, 2008: Series of three radio interviews on "Cognitive Science" for "Semence de curieux" on La Première Radio (with Jacques Olivier).
- 20th May 2008: Live Radio interview on Neuromarketing for "Tout Autre Chose" on La Première Radio.
- January-March 2008: Participation as expert in the RTBF television science-based gameshow "GPiG" (7 appearances).
- 21st November 2007: Featured on "Tout s'explique", a prime-time science-based show on RTL-TVI.
- 17th August 2007: Interview for "Au Quotidien" (La Une Television), on Memorizing Passwords.
- 04th August 2007: Interview for Radio France, on Artificial Intelligence.
- 14th May 2007: Interview for "La Première" Radio, on chat bot technology.
- 27th April 2007: Participation in a debate dedicated to Neuromarketing, on the "La fibre du Libre" broadcast (Radio Campus).

- 18th March 2007: Participation as expert in the RTL-TVI live television science-based gameshow “Le grand Test National de QI”
- 12th February 2007: Participation in a televised debate on Artificial Intelligence (“Opinion Publique”, RTBF)
- October-November 2006: Participation as expert in the RTBF television science-based gameshow “GPiG” (3 appearances).
- June 2nd 2006: Interview (with Thierry Melchior) on the “La fibre du Libre” broadcast (Radio Campus), on “Hypnosis”.
- 21st April 2006: Interview (with Jacques Van Helden) on the “La fibre du Libre” broadcast (Radio Campus), on “Free will”.
- 7th March 2006: Interview (with Jean-Noël Missa & Serge Schiffman) on the “Tout Autre Chose” broadcast, La Une Radio, on “Neurosciences”.
- 24th January 2006: Featured on “Matière Grise”, La Une Television, on “Neuromarketing”.
- 7th November 2005: Interview on Radio Campus
- 1st April 2005: Interview on Radio Campus
- 30th June 2003: Interview on Radio France International, on “Neuroscience and Consciousness”
- 2002-2004: Several appearances on RTL and RTBF television newscasts
- 2000: Interview on BBC World Radio, on “Sleep and plasticity”
- Quoted or interviewed in numerous print publications: La Libre Belgique, La Libre Essentielle, The Telegraph, New Scientist, La Recherche, Athena, &c.