

Full professor, School of Psychology and education, University of Geneva

Born: April 23<sup>rd</sup> 1968, in Marseille, France, French nationality  
Marital status: married, three children  
Work address: TECFA, Faculté de Psychologie et Sciences de l'Éducation  
Université de Genève  
Acacias 54, CH 1227 CAROUGE  
Tel : (41) 22 379 93 71, Fax : (41) 22 379 93 79  
Mireille.Betrancourt@tecfa.unige.ch

### Professional experience

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2003- present Professor in Information Technologies and Learning Processes, School of Psychology and education, University of Geneva.

Head of TECFA research unit (Technologies de Formation et d'Apprentissage).

2006- present: Associate dean of the faculty

2000-2003 : Senior lecturer, School of Psychology and education, University of Geneva.

1997-2000: Postdoctoral fellowship, French institute in Computer science and Automation (INRIA), Grenoble

1996-1997: Postdoctoral fellowship, Stanford University, U.S.A

1992-1996: PhD student, French institute in Computer science and Automation (INRIA), Grenoble

### Administrative and service activities in Geneva University

2000-present Member of the program committee of the Master MALTT (Master of Science in Learning and Teaching Technologies), FPSE.

2003-present Head of the computer facilities committee of the Faculty

2003-present Faculty member of the computer facilities committee of the University

2007-present Faculty member of the Research Promotion committee of the University

2007-present Member ex-officio for the e-learning for the education committee of the University.

### Training

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1998 : Qualification to apply to a research position in Psychology (décernée par le Comité National Universitaire Français, Section 16).

1996 : PhD in Cognitive Science, National Polytechnics School of Grenoble.

Title "Spatial and temporal factors affecting cognitive processing of text-picture documents" ("Facteurs spatiaux et temporels dans le traitement cognitif de complexes texte-figure")  
Advisor: André Bisseret.

1992 : D.E.A. in Cognitive Sciences Cognitives, National Polytechnics School of Grenoble, France.

1991 : D.E.S.S. of Social and Organizational Psychology, University of Aix-en-Provence, France.

1990 : Master (Maîtrise) in Psychology, University of Aix-en-Provence, France.

## Research grants (since 2003)

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### SNF grants

- 2003 – 2006    Projet FNRS #1114 – 068102 *Collaborative Learning with animated pictures*, co-requérante. Requérant principal: P. Dillenbourg, EPFL.
- 2005 – 2006    Projet FNRS # 100011-107786 *Effect of peer tutoring and experience visualization on cognitive and metacognitive processes in learning with a web-based environment*. En collaboration avec F. Detienne (INRIA France) et G. Chabert (Université de Savoie).

### Other funding sources

- 2006 - 2009    Project and member of the Leading House “Technologies for Vocational Training” founded by OPET (Federal office for Professional Education and Technology) in collaboration with D. Schneider (TECFA), P. Dillenbourg (EPFL), J-L Gurtner (Université de Fribourg).
- 2008-2010    Research and development project « Computer supported aural rehabilitation for deaf children using cochlear implants”, Hans Wilsdorf Foundation, in collaboration with Prof. M. Pelizzone, HUG.
- 2006-2007    Virtual Workshop “Social Protection and Inclusion: Converging efforts from a global perspective”, in collaboration with OIT (STEP program), founded by the RUIG - GIAN foundation.

### International research projects

- 2007 – 2009    Member of the project TECHNIMAGE “Learning with computer animation”, ANR, French funding
- 2007 – 2009    Member of the project ITHACA “Interactive Trace for Human Awareness in Collaborative Annotation”, ANR RNTL, French funding.
- 2006-2009    Member of the project “Ressourcenadaptiver Einsatz dynamischer Visualisierungen zur Unterstützung des Verständnisses für naturwissenschaftliche Zusammenhänge” coordinated by Peter Gerjets, Knowledge Media Research Center, Tuebingen, Deutschland
- 2004 – 2006    Member of the project *Modélisation de la connaissance en chirurgie orthopédique pour la conception d’un Environnement Informatique d’Apprentissage Humain* in collaboration with Grenoble University (coordinator: Vanda Luengo), founded by the French CNRS interdisciplinary program “Traitement des connaissances, apprentissage et NTIC”.

## Other academic activities

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### Scientific committee

2007-2011: Member of the advisory board of the research program EDUCTICE, French Research institute in Pedagogy (INRP), Lyon.

### Scientific networks and associations

2007-present    Member of the Research Network in Ergonomic Psychology (French GDR)

- 2006-present Member of the international research Network on Eye Tracking in multimedia research, within the Kaleidoscope EU funded network of excellence
- 2005-present Member of the scientific board of the French association in Ergonomic Psychology (GRAPE)
- 2005-present Associate member of the NCCR Affective sciences
- 2002-present Member of the EARLI association and active member of the SIG 2 “Text and pictures Comprehension”.
- 2000-present Founding member and contributor for the “Multifiches” in collaboration with André Bisseret, Anne Pellegrin-Mille and Nathalie Lepy.
- 2002 - 2006 Member of the scientific network “Design, development and implementation of Powerful Learning environment”, funded by the Fund for Scientific Research - Flanders (Scientific Network WO.001.02N).
- 2003-2004 Member of the workgroup “Computer animations and its uses in computer supported learning environments”, French program “ACI Sciences cognitives et Ecole”.
- 1992-2000 Founding member of the Cognitive Science students and researchers in the Rhone-Alpes area Association (InCognito), President from 1992 à 1993.
- 1996-2006 Associate editor (Cognitive Psychology) of the journal *Cahiers Romains de Sciences Cognitives* (formerly *Incognito*), international journal in Cognitive Sciences.

### **Conference organization, scientific committee**

Organization : ERGO’IA 2002, 2004; JETCSIC 2004, Journée d’Étude sur le Traitement Cognitif des Documents numériques, 1999;

Scientific committee: EARLI SIG “Text and picture comprehension” 2006, 2004, 2002; EPAL, 2007; AIPU 2007; TICE 2006; EPIQUE 2003, 2005, 2007; JETCSIC 2001 to 2007 (annual), Hypermédias et Apprentissage 2001, Colloque Jeunes Chercheurs en Sciences Cognitives, 1996.

### **Reviewing: Journals, Research foundations**

Journals: Learning and Instruction (about twice a year since 2005), Computers in Human Behaviour (2007), Educational Research review (2007), l’Année Psychologique (2007), Psychologie Française (2003, 2007), International journal of Human Computer Interaction (2006), Instructional science (2006), European Review of applied Psychology (2006), Revue des Sciences et technologies de l’information et de la communication pour l’éducation et la formation STICEF (2005, 2006), Travail Humain (2006), Interacting with computers (2005)

Foundations: FNS (2005, 2006), ANR, ARED France (2004, 2006, 2007), PROO - Nederlands (2006), Fonds national de la recherche québécois (2006)

### **Teaching and Supervision**

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#### **Teaching activities**

2000 - present: Ergonomics of human-computer interaction, FPSE Bac 2 & 3, 40 to 80 students.

2003 - present: Computer supported learning environments, FPSE Bac 2 & 3, 40 to 80 students.

2005 - present: User-centered design, Master MALTT, 10 to 20 students.

2005 - present: Research Methodology in Educational technology, Master MALTT, 10 to 20 students.

2003-present: Integrating technologies in educational activities, 2<sup>nd</sup> year Teacher training, 100 students.

2000-2004: Psychology and education bases for computer supported learning environments, DESS STAF, 15 to 20 students.

1996-1997: Computer animation: cognitive and educational aspects, Stanford University, 10 Graduate students

1992-1995: Assistant for the class "IQ tests for children", Grenoble University, Psychology 1<sup>st</sup> year, 250 students

### PhD supervision

1998-2000 Anne Pellegrin, 2000, *Traitement cognitif de présentations synoptiques*, PhD in Cognitive Science, National Polytechnic School of Grenoble, co-advisor with André Bisseret.

2000-2004 Tristan Blanc-Brude, 2004, *L'articulation des registres figuraux et textuels en géométrie*. PhD in Cognitive Science, University of Grenoble, co-advisor with Colette Laborde (LEIBNIZ-IMAG).

2003-2004 Patrick Jermann, 2004, *Computer Support for Interaction Regulation in Collaborative Problem-Solving*. PhD in psychology, University of Geneva, co-advisor with Pierre Dillenbourg (EPFL).

2005-2007 Agnes Lisowska, 2007, *Multimodal Input for Meeting Browsing and Retrieval Interfaces* . Phd in Translation and interpretation, co-advisor with S. Armstrong, University of Geneva.

2003-present Laurence Gagnière, in progress, *Rôle des plateformes informatiques d'apprentissage collaboratif sur les activités méta-cognitives (titre provisoire)*. PhD in psychology, co-advisor with Françoise Détienne (INRIA) and Gislaine Chabert (University of Savoie). ). Project accepted in October 2006.

2004-present Martin Acosta, in progress, *Genèse instrumentale de l'usage d'un environnement d'apprentissage de la géométrie pour l'enseignement*. PhD in Education Science, co-advisor with Colette Laborde (LEIBNIZ-IMAG). Project accepted in March 2005.

2005-present Cyril Rebetez, in progress, Learning from multimedia animation. PhD in Psychology, Project accepted in October 2006.

2006-present Monica Gavota, in progress, *Technologies for vocational training: Computer supported collaborative writing*. PhD in Psychology and Education, co-advisor with D. K. Schneider.

### Postgrade and Masters (since 2003)

#### DESS STAF / Master MALTT (Master in Learning and Teaching Technologies, FPSE)

- Defended: B. Belbachir, : C. Bozelle, A. Chassot, L. Clavien, F. Dubouchet, Y. Grassioulet, C. Rebetez, M. Romuladi, M. Sangin, S. Tassini, M-A Thibault, D. Torres
- In progress: R. Borer, A. Holdener

#### Master in Psychology (formerly DEA) :

- 2006 : C. Rebetez, Experimental Cognitive Psychology, FPSE, Geneva University

#### Master in Psychology (formerly Licence) :

- 2005 : N. Realini, Psychology, University of Friburg.