

François BOUCHET, Ph.D.

✉ Sorbonne Université - LIP6
BC 169, Office 26-00/523
75252 Paris Cedex 05, France

☎ +33 7 81 77 70 81

✉ fbouchet@pm.me

@ LIP6 | ORCID | HAL

Born October 4th, 1982 (age 42)
French citizenship
Married, 1 child (4 yo)

Last updated on September 1st, 2025

PRESENTATION

Current status Associate Professor at Sorbonne University (formerly Université Pierre et Marie Curie - Paris, France) and researcher at LIP6, member of the MOCAH team (co-head since 2024)

Research interests AI fairness, xAI, learning analytics, MOOCs, intelligent tutoring systems, educational data mining, emotion analysis, conversational agents, cognitive architectures.

EDUCATION AND DEGREES

2006 - 2010 PARIS-SUD 11 UNIVERSITY. **PhD in Computer Science.**
Title: Designing a natural language processing chain for an Assisting Conversational Agent
Highest honors (Mention Très Honorable)

2005 - 2006 PARIS-SUD 11 UNIVERSITY. **Master in Computer Science.**
Speciality: **Cognitive Science** (linguistics, NLP, KR, AI, HCI, psychology)
Highest honors (Mention Très Bien), salutatorian (2nd/~ 50)

2001 - 2005 ÉCOLE SUPÉRIEURE D'INFORMATIQUE, ÉLECTRONIQUE, AUTOMATIQUE (ESIEA).
Master of Engineering.
Major: Computer Science – Speciality: Emerging Technologies (NBIC)
Highest honors (Mention Très Honorable avec félicitations du jury), salutatorian (2nd/250)

July 2000 LYCÉE BLAISE PASCAL (ORSAY, FRANCE). **French baccalaureate, scientific section.**
Highest honors (Mention Très Bien)

PROFESSIONAL EXPERIENCE

Sep 2013 - present SORBONNE UNIVERSITÉ (PARIS, FRANCE). **Assistant Professor.**
Member of the MOCAH team, working on MOOC and e-learning platforms data analysis.

Jan 2011 - Aug 2013 MCGILL UNIVERSITY (MONTREAL, CANADA). **Postdoctoral Fellow.**
Member of Dr. Azevedo's SMART Laboratory, lead designer of MetaTutor (an agent-based intelligent tutoring system fostering self-regulated learning). Application of educational data mining techniques to study user-agent interaction, with a focus on affective data.

Oct 2010 - Jan 2011 ARTIWIT (PARIS, FRANCE). **Development Project Manager.**
Update and maintenance of a dialog-based debate serious game (SparkDebate)

Oct 2009 - Sep 2010 LIMSI-CNRS (ORSAY, FRANCE). **Research Associate.**
Member of the AMI team, research centered on the concept of cognitive biases in ECA.

Sep 2006 - Sep 2009 LIMSI-CNRS (ORSAY, FRANCE). **PhD Student.**
As a student from the Computer Science Doctoral School of Paris-Sud 11 University (cf. page 3), under the supervision of Jean-Paul Sansonnet

Mar-Aug 2006 LIMSI-CNRS (ORSAY, FRANCE). **Predocotrinal internship.**
Design of a corpus-based formal language to represent the semantic of requests issued to assisting conversational agents, under the supervision of Jean-Paul Sansonnet.

Mar-Dec 2005 AS AN ANGEL (PARIS, FRANCE). **R&D assistant project manager.**
Design and optimization of a lexical semantic frame-based analyzer (in Java & Python) for an entertaining conversational agent in the context of the SimDate project.

Jun-Jul 2004 XEROX EUROPE (UXBRIDGE, UK). **Intranet developer.**
Design of a web-based interface for a Document Management System using SAP.

Jun-Jul 2003 FLD ACTUA-MEDIA (SAINT-AUBIN, FRANCE). **Network software developer.**
Design of a software (in C) controlling hotel network switches using SNMP requests.

TEACHING EXPERIENCE

- Sep 2013 - present** SORBONNE UNIVERSITÉ. **Assistant professor.**
- ↪ **since 2022** Lecturer of course “Programming in C” (1st year science B.Sc)
 - ↪ **since 2022** Head of course on “Highly Interactive Virtual Environments” (2nd year CS M.SC)
 - ↪ **since 2018** Head of course on “Data Mining and visualization” (innovation management master)
 - ↪ **since 2016** Lecture and Tutorial in “Learning Analytics” (5Z004 - e-learning education master)
 - ↪ **since 2015** Lecture and Tutorial in “Educational Data Mining” (5Z003 - e-learning education master)
 - ↪ **2015-2018** Tutorial in “Introduction to programming with Python” (1I001 - 1st year science B.Sc)
 - ↪ **2014-2019** Tutorial in “Numeric communication tools” (LX-ONC - 1st year science B.Sc)
 - ↪ **since 2013** Lecture and Tutorial in “Natural Language Processing” as part of a master class on “Virtual Environments and Video Games” (5I252 - 2nd year CS M.Sc)
 - ↪ **since 2013** Tutorial in “Advanced programming in C” (2I001 - 2nd year CS B.Sc)
 - 2013-2015** Lecture in “An hypermedia adaptive learning environment: MetaTutor” as part of a master class on “Intelligent Tutoring Systems” (5Z001 - e-learning education master)
 - 2013-2016** Tutorial in “Introduction to programming in C” (1I002 - 1st year CS B.Sc)
- Oct 2010 - Jan 2011** ÉCOLE SUPÉRIEURE DES TECHNIQUES AÉRONAUTIQUES ET DE CONSTRUCTION AUTOMOBILE (ESTACA). **Instructor.**
- Lecture and Tutorial in “Advanced programming in C” (2nd year engineering students)
- Oct 2009 - Sep 2010** PARIS-SUD 11 UNIVERSITY INSTITUTE FOR TECHNOLOGY (IUT ORSAY). **Teaching Associate (1/2 ATER).**
- Tutorial in “Introduction to shell programming”, using Bash (1st year CS students)
 - Tutorial in “Object-oriented programming”, using Java (2nd year CS students)
 - Tutorial in “Principles of compilation”, using Lex and Yacc (2nd year CS students)
- Sep 2006 - Sep 2009** PARIS-SUD 11 UNIVERSITY INSTITUTE FOR TECHNOLOGY (IUT ORSAY). **Graduate Teaching Assistant (moniteur).**
- ↪ **2008 - 2009** Tutorial in “Object-oriented programming”, using Java (2nd year CS students)
 - ↪ **2006 - 2009** Tutorial in “Principles of compilation”, using Lex and Yacc (2nd year CS students)
 - ↪ **2006 - 2008** Tutorial in “GUI-based programming”, using Visual Basic 6 & .NET (1st year CS students)
- Sep 2002 - Jun 2004** ÉCOLE SUPÉRIEURE D’INFORMATIQUE, ÉLECTRONIQUE, AUTOMATIQUE (ESIEA). **Undergraduate Teaching Assistant (moniteur).**
- ↪ **2003 - 2004** Tutorial in project-based learning (1st year engineering students)
 - ↪ **2002 - 2003** Tutorial in Electronics (1st year engineering students)

LANGUAGES

- French** Native language
English Bilingual
Spanish Good level (8 years of study)
Portuguese Notions

REFERENCES

- Jean-Marc Labat** (jean-marc.labat@sorbonne-universite.fr)
Professor, Sorbonne Université, Paris, France
- Roger Azevedo** (roger.azevedo@ucf.edu)
Professor, University of Central Florida, FL, USA
- Jean-Paul Sansonnet** (jps@limsi.fr)
(Retired) CNRS Research director, LIMSI, Orsay, France

RESEARCH PROJECTS

- GroupMOOC**
Since 2014 **Grouping MOOC students** – Associating students to reduce attrition in MOOCs, working on data from the MOOC “Gestion de Projets”.
Collaboration with Rémi Bachelet, Hugues Labarthe and Kalina Yacef.
- NeoPraEval**
Since 2014 **New Tools for New Ways to Evaluate and Teach Mathematics** – Using data mining techniques to assess the validity of a tool to automatically evaluate middle and high school students maths exercises (PépiDiag).
Under the lead of Brigitte Grugeon-Allys.
- TweEmo**
(2012-2016) **Sentiment analysis in education-related tweets** – Application of text mining techniques to evaluate change in emotions expressed in tweets.
Collaboration with John Ranellucci and Eric Poitras.
- MetaTutor**
(2011 - 2015) **Learner modeling and emotion analysis in an agent-based Intelligent Tutoring System fostering Self-Regulated Learning**
- Redesign of the system (C#) to increase its adaptivity.
 - Design of its associated log parser and analyzer (Python) merging different data channels (eyetracking, facial expression analyzer, digital notepad).
 - Design and implementation of an emotion annotator program (C#) for facial expressions based on internally developed coding scheme.
 - Application of educational data mining algorithm (clustering, HMM, sequence mining) to profile learners based on multimodal data collected with MetaTutor (200+ students).
- Under the lead of Dr. Roger Azevedo. Collaboration with Illinois Institute of Technology and University of Memphis.*
- R&B**
(2010 - 2014) **Rational & Behavioral reasoning in conversational agents** – Designing and experimenting psychological models impacting the rational behavior of an agent.
Collaboration with Jean-Paul Sansonnet.
- PRAIA**
(2008 - 2010) **Pedagogical Rational and Affective Intelligent Agents** – French-Brazilian joint project, funded by CAPES/COFECUB.
Collaboration with Evandro Miletto, Marcelo Pimenta and Jean-Paul Sansonnet to add an assisting conversational agent to a collective music prototyping environment (CODES).
- DIVA**
(2008 - 2009) **DOM Integrated Virtual Agents** – Framework of web-based animated chatbot agents.
Collaboration with Mao Xuetao and Jean-Paul Sansonnet to experiment the limits of chatbot architectures and study their consequences on users’ perception of the agent.
- DAFT**
(2006 - 2010) **Dialogical Agent Formal Talk** – Design of a generic architecture for assisting conversational agents.
Context of my PhD thesis work, under the lead of Jean-Paul Sansonnet.

ADMINISTRATIVE RESEARCH-RELATED ACTIVITIES

Supervising	
since 2023	Malek Sefi, MSc CS student (in co-supervision with Léo Nebel) on using LLMs to annotate argumentative texts from high school students
2021 - 2024	Léo Nebel, PhD student (in co-supervision with Vanda Luengo) on analyses of high school students' text revisions
2020 - 2024	Chunyang Fan, MSc statistics student (in co-supervision with Mélina Verger) on optimizing the MADD metric for fairness assessment
2019 - 2025	Mélina Verger, PhD student (in co-supervision with Vanda Luengo and Sébastien Lallé) on multi-criteria fairness in algorithms for education
2019	Alexis Maldonado, MSc E-Learning student (in co-supervision with Yves Noël), on using clustering to explore the use of Moodle by university students
2018 - 2021	Martin Pham, MSc E-Learning student, on conception of a teachable agent for learning mathematics
2018	Adil Amar, MSc CS student (in co-supervision with Mathieu Muratet) on tracing computer program coding in novice students using MrPython
2017	Katia Oliver-Queennec, PhD student (in co-supervision with Thibault Carron and Claire Pinçon from Univ. Lille) on adaptative dashboards for a serious game in pharmacy
2016 - 2019	Thomas Sergent, PhD student (in co-supervision with Thibault Carron) with EdTech startup Lalilo, on detecting and forming groups to help pupils learn how to read
2015 - 2017	Jiang You, MSc CS student (in co-supervision with Cédric d'Ham from LIG), 5 months internship on teachers' annotation on students' work in an online platform (LabNbook)
2015	Camila Morais Canellas, PhD student (in co-supervision with Vanda Luengo) with EdTech startup Kelis, on modeling
2014 - 2019	Fadil Boodoo, MSc CS student (in co-supervision with Yves Noël) on using sequence mining algorithms to interpret students action sequences in Moodle
2014	Océane Bouhineau-Chevigny, BSc statistics student (in co-supervision with Fatima Harrak) to process medical students data from PACES
2012 - 2013	Mathieu Crilout, MSc CS student (in co-supervision with Vincent Guigue), 5 months internship on data analysis of natural language interactions on a chat & forum in a MOOC
	Fatima Harrak, PhD student (in co-supervision with Vanda Luengo) working on data analysis of questions asked by students in e-learning systems and MOOCs
	Gorgoumack Sambe, PhD student (in co-supervision with Jean-Marc Labat) working on an agent fostering the use self-regulated learning strategies in MOOCs [abandoned]
	Hugues Labarthe, MSc E-Learning student (2 months of internship on the GroupMOOC project - joint internship with Kalina Yacef at University of Sydney)
	Guy Mbatchou, PhD student (in co-supervision with Thibault Carron) working on pedagogical agents in an e-learning platform
	Issam Bani, MSc CS student (5 months of internship on the GroupMOOC project)
	Faiz Khan, BSc CS student (15 hours a week in the SMARTLab)

Reviewing

since 2018	Editorial board member for JEDM (Journal of Educational Data Mining)
since 2018	Editorial board member for ACM TiIS (Transactions on Interactive Intelligent Systems)
since 2018	Reviewer for JLA (Journal of Learning Analytics)
since 2016	Reviewer for IJHCI (International Journal of Human-Computer Interaction)
since 2015	Reviewer for JEDM (Journal of Educational Data Mining)
since 2013	Reviewer for IJHCS (International Journal of Human-Computer Studies)
since 2012	Reviewer for IJAIED (International Journal of Artificial Intelligence in Education)
2008 - 2009	Secondary reviewer for TSI (Technique et Science Informatique) journal

**Program Com-
mittees**

Prog. Comm. Member of **LAK 2025**, Dublin, Ireland, March 2025
Prog. Comm. Member of **LAK 2024**, Kyoto, Japan, March 2024
Prog. Comm. Member of **AIED 2024**, Recife, Brazil July 2024
Prog. Comm. Member of **LAK 2023**, Arlington, TX, USA, March 2023
Prog. Comm. Member of **EC-TEL 2022**, Toulouse, France, September 2022
Prog. Comm. Member of **AIED 2022**, Durham, UK, July 2022
Prog. Comm. Member of **CSCL 2022**, Hiroshima, Japan, June 2022
Prog. Comm. Member of **EIAH&IA @PFIA 2022**, Saint-Etienne, France, June 2022
Prog. Comm. Member of **RJC EIAH 2022**, Lille, France, May 2020
Prog. Comm. Member of **CSEDU 2022**, Online, April 2022
Prog. Comm. Member of **LAK 2022**, Newport Beach, CA, USA, March 2022
Prog. Comm. Member of **EC-TEL 2021** Bozen-Bolzano, Italy, September 2021
Prog. Comm. Member of **EDM 2021**, Paris, France, July 2021
Prog. Comm. Member of **EIAH 2021**, Poitiers, France, June 2021
Prog. Comm. Member of **CSEDU 2021**, Online, April 2021
Prog. Comm. Member of **LAK 2021**, Online, April 2021
Prog. Comm. Member of **EC-TEL 2020**, Heidelberg, Germany, September 2020
Prog. Comm. Member of **EDM 2020**, Ifrane, Morocco, July 2020
Prog. Comm. Member of **ITS 2020**, Athens, Greece, June 2020
Prog. Comm. Member of **RJC EIAH 2020**, Poitiers, France, June 2020
Prog. Comm. Member of **CSEDU 2020**, Prague, Czech Republic, May 2020
Prog. Comm. Member of **ADORE'20 workshop @ LAK 2020**, Frankfurt, Germany, March 2020
Prog. Comm. Member of **LAK 2020**, Frankfurt, Germany, March 2020
Prog. Comm. Member of **EC-TEL 2019**, Delft, Netherlands, September 2019
Prog. Comm. Member of **EDM 2019**, Montreal, Canada, July 2019
Prog. Comm. Member of **ITS 2019**, Kingston, Jamaica, June 2019
Prog. Comm. Member of 2nd International Workshop on eliciting Adaptive Sequences for Learning (**WeASeL**) @ **ITS2019**, Kingston, Jamaica, June 2019
Prog. Comm. Member of **EIAH 2019**, Paris, France, June 2019
Prog. Comm. Member of **CSEDU 2019**, Heraklion, Greece, May 2019
Prog. Comm. Member of **EC-TEL 2018**, Leeds, UK, September 2018
Prog. Comm. Member of "**journée IA pour l'éducation**" **workshop at PFIA**, Nancy, France, July 2018
Prog. Comm. Member of **EDM 2018**, Buffalo, NY, USA, July 2018
Prog. Comm. Member of **ITS 2018**, Montreal, Canada, June 2018
Additional Reviewer for **AIED 2018**, London, UK, June 2018
Additional Reviewer for **ICLS 2018**, London, UK, June 2018
Prog. Comm. Member of **EKM workshop @TheWebConf 2018**, Lyon, France, April 2018
Prog. Comm. Member of **ITS 2018**, Montreal, Canada, June 2018
Prog. Comm. Member of **RJC EIAH 2018**, Besançon, France, April 2018
Prog. Comm. Member of **CSEDU 2018**, Funchal, Portugal, March 2018
Prog. Comm. Member of **LAK 2018**, Sydney, Australia, March 2018
Prog. Comm. Member of **EdRecSys @ UMAP 2017**, Bratislava, Slovakia, July 2017
Prog. Comm. Member of **EDM 2017**, Wuhan, China, July 2017
Additional Reviewer for **AIED 2017**, Wuhan, China, July 2017
Prog. Comm. Member of **EIAH 2017**, Strasbourg, France, June 2017
Prog. Comm. Member of **CSEDU 2017**, Porto, Portugal, April 2017
Prog. Comm. Member of **LAK 2017**, Vancouver, Canada, March 2017
Prog. Comm. Member of **CNIA 2016**, Clermont-Ferrand, France, June 2016
Prog. Comm. Member of **RJC EIAH 2016**, Montpellier, France, June 2016
Prog. Comm. Member of **EDM 2016**, Raleigh, USA, June 2016
Additional Reviewer for **ITS 2016**, Zagreb, Croatia, June 2016
Prog. Comm. of **LAK 2016**, Edinburgh, Scotland, April 2016
Technical Prog. Comm. Member of **IUI 2016**, Sonoma Valley, USA, March 2016
Additional Reviewer for **ICALT 2015**, Hualien, Taiwan, July 2015
Prog. Comm. Member of **EIAH & IA 2015**, Rennes, France, July 2015
Prog. Comm. Member of **EDM 2015**, Madrid, Spain, June 2015
Prog. Comm. Member of **EIAH 2015**, Agadir, Morocco, June 2015
Technical Prog. Comm. Member of **IUI 2015**, Atlanta, GA, USA, March 2015
Prog. Comm. of **LAK 2015**, Poughkeepsie, NY, USA, March 2015
Technical Prog. Comm. Member of **IUI 2014**, Haifa, Israel, February 2014

Organization

- 2021 Co-organizer with Jill-Jënn Vie of the conference **EDM 2021** (online from Paris, France) with 400+ attendees
- 2020 Co-chair for the workshops and tutorials of **EDM 2020** (Ifrane, Morocco)
- 2019 Member of the organization committee of **EIAH 2019** (Paris, France)
- 2015 Co-chair of the organization committee of **EIAH & IA 2015** (Rennes, France)
- 2007 Member of the organization committee of **IVA 2007** (Paris, France)

Representative

- Since 2022 Head of the LIP6 scientific publication support committee
- Since 2014 Member of the LIP6 scientific publication support committee

PHD THESIS

Title	Designing a natural language processing chain for an Assisting Conversational Agent
Jury	Jean-Paul Sansonnet (Research director, LIMSI-CNRS – <i>Advisor</i>) Guy Lapalme (Professor, Université de Montréal, RALI – <i>Reviewer</i>) Sylvie Pesty (Professor, Université Pierre Mendès-France, LIG – <i>Reviewer</i>) Catherine Pelachaud (Research director, LTCI Télécom ParisTech – <i>President</i>) Anne Vilnat (Professor, Université Paris-Sud 11, LIMSI-CNRS – <i>Examiner</i>)
Summary	<p>With the increasing number of novice users of computer applications, the need for efficient assistance has become critical. To supply the need, we suggest using an Assistant Conversational Agent (ACA), an interface allowing the use of natural language (used spontaneously when a problem arises) and providing a reassuring presence to the users. A preliminary study details the constitution (combining collection and the use of thesauri) of a corpus of requests, which need is justified. This corpus of 11,626 requests is compared with others, and we show that it covers the studied domain of assistance and moreover, contains requests regarding controlling of the application and chatting with the agent. This corpus provides a sound foundation for the conception of a syntactico-semantic analyzer of natural language requests, using a set of semantic keys, a set of analysis rules and a set of transformation rules. In output, requests are expressed in a formal language (DAFT) for which we provide the syntax and the semantics.</p> <p>The analyzer is evaluated by comparing a manual annotation and the requests automatically produced, and we consider the use of some supervised machine learning approaches in order to identify conversational activities. The methodology followed is validated through the integration of an ACA into an existing Web application for cooperative music prototyping.</p> <p>Finally, we describe the required architecture for the rational agent in charge of defining the reactions based on the formal requests expressed in DAFT and on the model of the assisted application, emphasizing the need for a cognitive model.</p>

PUBLICATIONS

Books

Marco Barzman, Mélanie Gerphagnon, Olivier Mora, Genevieve Aubin-Houzelstein, Alain Bénard, Caroline Martin, George-Louis Baron, François Bouchet, Juliette Dibie, Jean-Francois Gibrat, Simon Hodson, Evelyne Lhoste, Yann Moulrier-Boutang, Sébastien Perrot, Fabrice Phung, Christian Pichot, Mehdi Siné, and Thierry Venin. *La transition numérique dans la recherche et l'enseignement supérieur à l'horizon 2040*. Quae, February 2020. myPub122.

Book chapters

Katia Oliver-Queleu, François Bouchet, Thibault Carron, and Claire Pinçon. Evaluating the transposition of a Learning Analytics Dashboard Co-design Tangible Tool to a Digital Tool. In Dirk Ifenthaler, Demetrios G. Sampson, and Pedro Isaias, editors, *Open and Inclusive Educational Practice in the Digital World*, Cognition and Exploratory Learning in the Digital Age, pages 115–133. Springer International Publishing, Cham, 2022. myPub145.

Camila Morais Canellas, François Bouchet, Thibaut Arribe, and Vanda Luengo. Learning Analytics Metamodel: Assessing the Benefits of the Publishing Chain's Approach. In Beno Csapó and James Uhomobhi, editors, *Computer Supported Education*, pages 97–114, Cham, 2022. Springer International Publishing. myPub156.

Eric G. Poitras, Reza Feyzi Behnagh, and François Bouchet. A Dimensionality Reduction Method for Time Series Analysis of Student Behavior to Predict Dropout in Massive Open Online Courses. In Dirk Ifenthaler and David Gibson, editors, *Adoption of Data Analytics in Higher Education Learning and Teaching*, Advances in Analytics for Learning and Teaching, pages 391–406. Springer International Publishing, Cham, 2020. myPub129.

Guy Merlin Mbatchou Nkwetchoua, François Bouchet, Thibault Carron, and Philippe Pernelle. Towards a Model of Learner-Directed Learning : an Approach based on the Co-Construction of the Learning Scenario by the Learner. In Pedro Isaias, Demetrios G. Sampson, and Dirk Ifenthaler, editors, *Online Teaching and Learning in Higher Education*, Cognition and Exploratory Learning in the Digital Age, pages 41–63. Springer, Cham, 2020. myPub121.

John Ranellucci, Eric G. Poitras, François Bouchet, Susanne P. Lajoie, and Nathan C. Hall. Understanding Emotional Expressions in Social Media through Data Mining. In Sharon Y. Tettegah, editor, *Emotions, Technology, and Social Media*, Emotions and Technology: Communication of Feelings for, with, and through Digital Media, pages 85–104. Academic Press, May 2016. myPub84.

Jean-Paul Sansonnet and François Bouchet. A Framework Covering the Influence of FFM/NEO PI-R Traits over the Dialogical Process of Rational Agents. In Joaquim Filipe and Ana Fred, editors, *Agents and Artificial Intelligence*, volume 449 of *Communications in Computer and Information Science*, pages 62–79. Springer Berlin Heidelberg, October 2014. myPub82.

Roger Azevedo, Jason Harley, Gregory Trevors, Melissa Duffy, Reza Feyzi-Behnagh, François Bouchet, and Ronald Landis. Using Trace Data to Examine the Complex Roles of Cognitive, Metacognitive, and Emotional Self-Regulatory Processes During Learning with Multi-agent Systems. In Roger Azevedo and Vincent Aleven, editors, *International Handbook of Metacognition and Learning Technologies*, number 28 in Springer International Handbooks of Education, pages 427–449. Springer New York, 2013.

François Bouchet and Jean-Paul Sansonnet. Intelligent Agents with Personality: from Adjectives to Behavioral Schemes. In Eshaa M. Alkhalifa and Khulood Gaid, editors, *Cognitively Informed Interfaces: System Design and Development*, pages 177–200. IGI Global, Hershey, PA, May 2012. myPub41.

International peer-reviewed journals

Thomas Sergent, Morgane Daniel, François Bouchet, and Thibault Carron. How Can Self-Evaluation and Self-Efficacy Skills of Young Learners be Scaffolded in a Web Application? *IEEE Transactions on Learning Technologies*, 17:1184–1197, 2024. myPub149.

Mélina Verger, Chunyang Fan, Sébastien Lallé, François Bouchet, and Vanda Luengo. A Comprehensive Study on Evaluating and Mitigating Algorithmic Unfairness with the MADD Metric. *Journal of Educational Data Mining*, 16(1):365–409, June 2024. myPub155.

Rawad Chaker, François Bouchet, and Rémi Bachelet. How do online learning intentions lead to learning outcomes? The mediating effect of the autotelic dimension of flow in a MOOC. *Computers in Human Behavior*, 134:107306, September 2022. myPub142.

Roger Azevedo, François Bouchet, Melissa Duffy, Jason M. Harley, Michelle Taub, Gregory J. Trevors, Elizabeth Cloude, Daryn Dever, Megan Wiedbusch, Franz Wortha, and Rebeca Cerezo. Lessons Learned and Future Directions of MetaTutor: Leveraging Multichannel Data to Scaffold Self-Regulated Learning with an Intelligent Tutoring System. *Frontiers in Psychology*, 13, 2022. myPub140.

Marco Barzman, Mélanie Gerphagnon, Geneviève Aubin-Houzelstein, Georges-Louis Baron, Alain Benard, François Bouchet, Juliette Dibie-Barthelemy, Jean-Francois Gibrat, Simon Hodson, Evelyne Lhoste, Caroline Martin, Yann Moulier-Boutang, Sébastien Perrot, Fabrice Phung, Christian Pichot, Mehdi Siné, Thierry Venin, and Olivier Mora. Exploring Digital Transformation in Higher Education and Research via Scenarios. *Journal of Futures Studies*, 25(3):65–78, March 2021. myPub124.

Fatima Harrak, François Bouchet, and Vanda Luengo. From Student Questions to Student Profiles in a Blended Learning Environment. *Journal of Learning Analytics*, 6(1):54–84, 2019. myPub112.

Jason M. Harley, Michelle Taub, Roger Azevedo, and François Bouchet. "Let's set up some subgoals": Understanding human-pedagogical agent collaborations and their implications for learning and prompt and feedback compliance. *IEEE Transactions on Learning Technologies*, 11(1):54–66, 2018. myPub103.

Jason M. Harley, Cassia K. Carter, Niki Papaioannou, François Bouchet, Ronald S. Landis, Roger Azevedo, and Lana Karabachian. Examining the predictive relationship between personality and emotion traits and students' agent-directed emotions: towards emotionally-adaptive agent-based learning environments. *User Modeling and User-Adapted Interaction*, 26(2):177–219, February 2016. myPub91.

Gregory Trevors, Reza Feyzi-Behnagh, Roger Azevedo, and François Bouchet. Self-Regulated Learning Processes Vary as a Function of Epistemic Beliefs and Contexts: Mixed Method Evidence from Eye Tracking and Concurrent and Retrospective Reports. *Learning and Instruction*, 42:31–46, April 2016. myPub90.

Jason M. Harley, François Bouchet, M. Sazzad Hussain, Roger Azevedo, and Rafael A. Calvo. A Multi-Componential Analysis of Emotions during Complex Learning with an Intelligent Multi-agent System. *Computers in Human Behavior*, 48:615–625, July 2015. myPub83.

Michelle Taub, Roger Azevedo, François Bouchet, and Babak Khosravifar. Can the use of cognitive and metacognitive self-regulated learning strategies be predicted by learners' levels of prior knowledge in hypermedia-learning environments? *Computers in Human Behavior*, 39:356–367, July 2014. myPub76.

François Bouchet and Jean-Paul Sansonnet. Influence of FFM/NEO PI-R personality traits on the rational process of autonomous agents. *Web Intelligence and Agent Systems*, 11(3):203–220, September 2013. myPub68.

François Bouchet, Jason M. Harley, Gregory J. Trevors, and Roger Azevedo. Clustering and Profiling Students According to their Interactions with an Intelligent Tutoring System Fostering Self-Regulated Learning. *Journal of Educational Data Mining*, 5(1):104–146, May 2013. myPub58.

Evandro Manara Miletto, Marcelo Soares Pimenta, François Bouchet, Jean-Paul Sansonnet, and Damián Keller. Principles for Music Creation by Novices in Networked Music Environments. *Journal of New Music Research*, 40(3):205–216, July 2011. myPub29.

François Bouchet and Jean-Paul Sansonnet. Implementing WordNet Personality Adjectives as Influences on Rational Agents. *International Journal of Computer Information Systems and Industrial Management Applications*, 3(1):696–705, June 2011. myPub27.

National peer-reviewed journals

Mélina Verger, François Bouchet, Sébastien Lallé, and Vanda Luengo. Intersectionality : deepen algorithmic fairness evaluation. The case study of academic performance prediction using data from online courses. *STICEF (Sciences et Technologies de l'Information et de la Communication pour l'Éducation et la Formation)*, 31(1), 2024. myPub158.

Thomas Sergent, Morgane Daniel, François Bouchet, and Thibault Carron. Détection de déficits d'auto-évaluation et d'auto-efficacité et remédiation dans un EIAH. *STICEF*, 29(2), 2022. myPub144.

Fatima Harrak, François Bouchet, and Vanda Luengo. Liens entre performance, assiduité et questions posées et votées en ligne dans le cadre d'une classe inversée. *Sciences et Technologies de l'Information et de la Communication pour l'Éducation et la Formation*, 27(2), 2020. myPub126.

François Bouchet and Jean-Paul Sansonnet. Agents Conversationnels Psychologiques : Modélisation des réactions rationnelles et comportementales des agents assistants conversationnels. *Revue d'Intelligence Artificielle*, 27(6):679–708, December 2013. myPub69.

François Bouchet and Jean-Paul Sansonnet. Traits de Personnalité Computationnels: Enrichissement de la taxonomie FFM/NEO PI-R avec des gloses WordNet liées à des adjectifs de personnalité. *Technique et Science Informatiques*, 31(4):423–453, April 2012. myPub35.

François Bouchet and Jean-Paul Sansonnet. Agents Conversationnels Psychologiques : Un cadre d'étude des comportements rationnels et psychologiques des agents assistants conversationnels. *Revue d'Intelligence Artificielle*, 25(5):591–623, September 2011. myPub32.

Mao Xuetao, Jean-Paul Sansonnet, and François Bouchet. Définition d'un agent conversationnel assistant d'applications Internet à partir d'un corpus de requêtes. *Technique et Science Informatiques*, 29(10):1123–1154, November 2010. myPub23.

International peer-reviewed conferences (with proceedings)

Léo Nebel, François Bouchet, Vanda Luengo, and Mathilde Couraud. Towards Automated Characterization of Revision Events in Student Writing. In *Two Decades of TEL: from Lessons Learnt to Challenges Ahead*, Durham, United Kingdom, September 2025. Springer. myPub159.

Sébastien Lallé, François Bouchet, Mélina Verger, and Vanda Luengo. Fairness of MOOC Completion Predictions Across Demographics and Contextual Variables. In *International Conference on Artificial Intelligence in Education*, volume 14829 of *Lecture Notes in Computer Science*, pages 379–393, Recife, Brazil, July 2024. Springer Nature Switzerland. myPub154.

Valdemar Švábenský, François Bouchet, Francine Tarrazona, Michael Lopez II, and Ryan S. Baker. Data Set Size Analysis for Detecting the Urgency of Discussion Forum Posts. In *14th International Conference on Learning Analytics & Knowledge (LAK24)*, Kyoto, Japan, March 2024. myPub157.

Mélina Verger, Sébastien Lallé, François Bouchet, and Vanda Luengo. Is Your Model "MADD"? A Novel Metric to Evaluate Algorithmic Fairness for Predictive Student Models. In *16th International Conference on Educational Data Mining (EDM 2023)*, Bengaluru, India, July 2023. myPub151.

Khalifa Sylla, Guy Merlin Mbatchou Nkwetchoua, and François Bouchet. How does the Use of Open Digital Spaces Impact Students Success and Dropout in a Virtual University? In Demetrios G. Sampson, Dirk Ifenthaler, and Pedro Isaias, editors, *Proceedings of the 19th International Conference on Cognition and Exploratory Learning in the Digital Age*, Lisbon, Portugal, 2022. IADIS Press. myPub146.

Katia Oliver-Queennec, François Bouchet, Thibault Carron, Kathy Fronton Casalino, and Claire Pinçon. Adapting Learning Analytics Dashboards by and for University Students. In Isabel Hilliger, Pedro J. Muñoz-Merino, Tinne De Laet, Alejandro Ortega-Arranz, and Tracie Farrell, editors, *Educating for a New Future: Making Sense of Technology-Enhanced Learning Adoption*, volume 13450 of *Lecture Notes in Computer Science*, pages 299–309, Toulouse, France, 2022. Springer International Publishing. myPub143.

Katia Oliver-Queennec, François Bouchet, Thibault Carron, and Claire Pinçon. Understanding online collaboration through speech acts associated to Belbin profiles. In Armin Weinberger, Wenli Chen, Davinia Hernandez-Leo, and Bodong Chen, editors, *Proceedings of the 15th International Conference on Computer-Supported Collaborative Learning - CSCCL 2022*, pages 324–327, Hiroshima, Japan, June 2022. International Society of the Learning Sciences. myPub141.

Katia Oliver-Queennec, François Bouchet, Thibault Carron, and Claire Pinçon. Can a Learning Analytics Dashboard Participative Design Approach Be Transposed to an Online-Only Context? In *Proceedings of the 18th International Conference Cognition and Exploratory Learning in Digital Age*, Virtual, October 2021. myPub138.

- Thomas Sergent, François Bouchet, Morgane Daniel, and Thibault Carron. Using Prompts and Remediation to Improve Primary School Students Self-evaluation and Self-efficacy in a Literacy Web Application. In Tinne De Laet, Roland Klemke, Carlos Alario-Hoyos, Isabel Hilliger, and Alejandro Ortega-Arranz, editors, *Technology-Enhanced Learning for a Free, Safe, and Sustainable World*, Lecture Notes in Computer Science, pages 221–234, Bolzano, Italy, September 2021. Springer International Publishing. myPub137.
- Thomas Sergent, Morgane Daniel, François Bouchet, and Thibault Carron. Predicting Young Students’ Self-Evaluation Deficits Through Their Activity Traces. In I-Han (Sharon) Hsiao, Shaghayegh (Sherry) Sahebi, François Bouchet, and Jill-Jên Vie, editors, *Proc. of the 14th International Conference on Educational Data Mining*, pages 667–671, Paris, France, July 2021. myPub136.
- Thomas Sergent, Morgane Daniel, François Bouchet, and Thibault Carron. Addressing Children’s Self-Evaluation and Self-Efficacy Deficits in a Literacy Application. In Maiga Chang, Nian-Shing Chen, Demetrios G. Sampson, and Ahmed Tlili, editors, *IEEE 21st International Conference on Advanced Learning Technologies*, pages 141–143, Tartu, Estonia, July 2021. IEEE. myPub135.
- Camila Morais Canellas, François Bouchet, Thibaut Arribe, and Vanda Luengo. Towards Learning Analytics Metamodels in a Context of Publishing Chains. In Beno Csapo and James Uhomoibhi, editors, *Proceedings of the 13th International Conference on Computer Supported Education*, volume 2, pages 45–54, Online, April 2021. SCITEPRESS. myPub128.
- Katia Oliver-Queleñec, François Bouchet, Thibault Carron, and Claire Pinçon. Analyzing the impact of e-Caducée, a serious game in pharmacy on students’ professional skills over multiple years. In Beno Csapo and James Uhomoibhi, editors, *Proc. of the 13th International Conference on Computer Supported Education*, volume 1, pages 331–338, Online, April 2021. SCITEPRESS. myPub127.
- Thomas Sergent, François Bouchet, and Thibault Carron. Towards Temporality-Sensitive Recurrent Neural Networks through Enriched Traces. In *Proceedings of the 13th International Conference on Educational Data Mining*, pages 658–661, Ifrane, Morocco, July 2020. myPub125.
- Yves Noël, Roland Mergoïl, Vanda Luengo, and François Bouchet. Towards a modular and flexible Learning Analytics framework. In *Companion Proceedings of the 10th International Conference on Learning Analytics & Knowledge LAK20*, pages 178–179, Frankfurt, Germany, March 2020. ACM, New York, NY, USA. myPub123.
- Fatima Harrak, François Bouchet, Vanda Luengo, and Pierre Gillois. Evaluating Teachers’ Perception of Students’ Questions Organization. In *LAK ’20: Proceedings of the Tenth International Conference on Learning Analytics & Knowledge*, pages 11–16, Frankfurt, Germany, March 2020. Association for Computing Machinery, New York, NY, United States. myPub120.
- Mathieu Vermeulen, Abir Karami, Anthony Fleury, François Bouchet, Nadine Mandran, Jannik Laval, and Jean-Marc Labat. APACHES: Human-Centered and Project-Based Methods in Higher Education. In Maren Scheffel, Julien Broisin, Viktoria Pammer-Schindler, Andri Ioannou, and Jan Schneider, editors, *Transforming Learning with Meaningful Technologies*, volume 11722 of *Lecture Notes in Computer Science*, pages 683–687, Delft, Netherlands, 2019. Springer International Publishing. myPub119.
- Fatima Harrak, François Bouchet, Vanda Luengo, and Rémi Bachelet. Automatic Identification of Questions in MOOC Forums and Association with Self-Regulated Learning. In Collin F. Lynch, Agathe Merceron, Michel Desmarais, and Roger Nkambou, editors, *Proc. of the 12th International Conference on Educational Data Mining*, pages 564–567, Montréal, Canada, July 2019. myPub117.
- Fatima Harrak, François Bouchet, and Vanda Luengo. Categorizing students’ questions using an ensemble hybrid approach. In Collin F. Lynch, Agathe Merceron, Michel Desmarais, and Roger Nkambou, editors, *Proc. of the 12th International Conference on Educational Data Mining*, pages 312–317, Montréal, Canada, July 2019. myPub116.
- Fatima Harrak, Vanda Luengo, François Bouchet, and Rémi Bachelet. Towards Improving Students’ Forum Posts Categorization in MOOCs and Impact on Performance Prediction. In *Proceedings of the Sixth (2019) ACM Conference on Learning @ Scale, L@S ’19*, pages 47:1–47:4, New York, NY, USA, June 2019. ACM. myPub115.
- François Bouchet and Rémi Bachelet. Socializing on MOOCs: Comparing University and Self-enrolled Students. In M. Calise, editor, *Digital Education: At the MOOC Crossroads Where the Interests of Academia and Business Converge*, volume 11475 of *LNCS*, pages 31–36, Milan, Italy, May 2019. Springer Nature Switzerland. myPub111.
- Guy Merlin Mbatchou, François Bouchet, Thibault Carron, and Philippe Pernelle. Proposing and evaluating a model of co-construction of the learning scenario by the learner. In Demetrios G. Sampson, Dirk Ifenthaler, Pedro Isaias, and Luis Rodrigues, editors, *Proceedings of the 15th International Conference Cognition and Exploratory Learning in Digital Age*, pages 208–215, Budapest, Hungary, October 2018. myPub110.
- François Bouchet, Jason M. Harley, and Roger Azevedo. Evaluating Adaptive Pedagogical Agents’ Prompting Strategies Effect on Students’ Emotions. In Roger Nkambou, Roger Azevedo, and Julita Vassileva, editors, *Intelligent Tutoring Systems: 14th International Conference*, volume 10858 of *LNCS*, pages 33–43, Montreal, QC, Canada, June 2018. Springer International Publishing. myPub107.
- Jason M. Harley, François Bouchet, and Roger Azevedo. Examining How Students’ Typical Studying Emotions Relate to Those Experienced While Studying with an ITS. In Roger Nkambou, Roger Azevedo, and Julita Vassileva, editors, *Intelligent Tutoring Systems: 14th International Conference*, volume 10858 of *LNCS*, pages 434–437, Montreal, QC, Canada, June 2018. Springer International Publishing. myPub106.

- Fatima Harrak, François Bouchet, Vanda Luengo, and Pierre Gillois. Profiling Students from Their Questions in a Blended Learning Environment. In *LAK'18: International Conference on Learning Analytics and Knowledge*, pages 102–110, Sydney, NSW, Australia, March 2018. ACM, New York, NY, USA. myPub102.
- Baptiste Monterrat, Amel Yessad, François Bouchet, Elise Lavoué, and Vanda Luengo. MAGAM: A Multi-Aspect Generic Adaptation Model for Learning Environments. In *European Conference on Technology Enhanced Learning*, volume 10474 of *Lecture Notes in Computer Science*, pages 139–152, Tallinn, Estonia, September 2017. Springer, Cham. myPub101.
- Fatima Harrak, François Bouchet, and Vanda Luengo. Identifying relationships between students' questions type and their behavior. In *Proc. of the 10th International Conference on Educational Data Mining*, Wuhan, China, 2017. myPub99.
- François Bouchet, Hugues Labarthe, Rémi Bachelet, and Kalina Yacef. Who Wants to Chat on a MOOC? Lessons from a Peer Recommender System. In *Digital Education: Out to the World and Back to the Campus*, volume 10254 of *Lecture Notes in Computer Science*, pages 150–159, Madrid, Spain, May 2017. Springer, Cham. myPub96.
- Hugues Labarthe, François Bouchet, Rémi Bachelet, and Kalina Yacef. Does a Peer Recommender Foster Students' Engagement in MOOCs? In Tiffany Barnes, Min Chi, and Mingyu Feng, editors, *Proc. of the 9th International Conference on Educational Data Mining*, pages 418–423, Raleigh, NC, USA, July 2016. International Educational Data Mining Society (IEDMS). myPub94.
- François Bouchet, Jason M. Harley, and Roger Azevedo. Can adaptive pedagogical agents' prompting strategies improve students' learning and self-regulation? In Alessandro Micarelli, John Stamper, and Kitty Panourgia, editors, *Intelligent Tutoring Systems: 13th International Conference*, volume 9684 of *LNCS*, pages 368–374, Zagreb, Croatia, June 2016. Springer International Publishing. myPub93.
- Hugues Labarthe, Rémi Bachelet, François Bouchet, and Kalina Yacef. Increasing MOOC completion rates through social interactions: a recommendation system. In Mohammad Khalil, Martin Ebner, Michael Kopp, Anja Lorenz, and Marco Kalz, editors, *Proc. of the European Stakeholder Summit on experiences and best practices in and around MOOCs*, pages 471–480, Graz, Austria, February 2016. myPub89.
- Nicholas Mudrick, Roger Azevedo, Michelle Taub, and François Bouchet. Does the Frequency of Pedagogical Agent Intervention Relate to Learners' Self-Reported Boredom while using Multi-Agent Intelligent Tutoring Systems? In D. C. Noelle, R. Dale, A. S. Warlaumont, J. Yoshimi, T. Matlock, C. D. Jennings, and P. P. Maglio, editors, *Proc. of the 37th Annual Meeting of the Cognitive Science Society*, pages 1661–1666, Pasadena, CA, USA, July 2015. myPub87.
- Jason M. Harley, Cassia K. Carter, Niki Papaioannou, François Bouchet, Ronald S. Landis, Roger Azevedo, and Lana Karabachian. Examining the predictive relationship between personality and emotion traits and learners' agent-directed emotions. In Cristina Conati, Neil Heffernan, Antonija Mitrovic, and M. Felisa Verderjo, editors, *Proc. of the 17th Conference on Artificial Intelligence in Education (AIED 2015)*, volume 9112 of *Lecture Notes in Artificial Intelligence*, pages 145–154, Madrid, Spain, June 2015. Springer International Publishing. myPub86.
- François Bouchet and Rémi Bachelet. Do MOOC students come back for more? Recurring Students in the GdP MOOC. In *Proc. of the European MOOCs Stakeholders Summit 2015*, pages 174–182, Mons, Belgium, May 2015. myPub85.
- Michelle Taub, Roger Azevedo, Nicholas Mudrick, Erika Clodfelter, and François Bouchet. Can Scaffolds from Pedagogical Agents Influence Effective Completion of Sub-Goals during Learning with a Multi-Agent Hypermedia-Learning Environment? In Joseph L. Polman, Eleni A. Kyza, D. Kevin O'Neill, Iris Tabak, William R. Penuel, A. Susan Jurow, Kevin O'Connor, Tiffany Lee, and Laura D'Amico, editors, *Learning and becoming in practice : The International Conference of the Learning Sciences (ICLS) 2014*, volume 2, pages 1052–1056, Boulder, CO, USA, June 2014. International Society of the Learning Sciences. myPub74.
- Nicholas Mudrick, Roger Azevedo, Michelle Taub, Reza Feyzi-Behnagh, and François Bouchet. A Study of subjective emotions, self-regulatory processes, and learning gains: are pedagogical agents effective in fostering learning? In Joseph L. Polman, Eleni A. Kyza, D. Kevin O'Neill, Iris Tabak, William R. Penuel, A. Susan Jurow, Kevin O'Connor, Tiffany Lee, and Laura D'Amico, editors, *Learning and becoming in practice : The International Conference of the Learning Sciences (ICLS) 2014*, volume 1, pages 309–316, Boulder, CO, USA, June 2014. International Society of the Learning Sciences. myPub73.
- François Bouchet, Jason M. Harley, and Roger Azevedo. Impact of Different Pedagogical Agents' Adaptive Self-Regulated Prompting Strategies on Learning with MetaTutor. In H. Chad Lane, Kalina Yacef, Jack Mostow, and Philip Pavlik, editors, *Proc. of the 16th Conference on Artificial Intelligence in Education (AIED 2013)*, volume 7926 of *Lecture Notes in Computer Science*, pages 815–819, Memphis, TN, July 2013. Springer Berlin Heidelberg. myPub61.
- Jason M. Harley, François Bouchet, and Roger Azevedo. Aligning and Comparing Data on Emotions Experienced during Learning with MetaTutor. In H. Chad Lane, Kalina Yacef, Jack Mostow, and Philip Pavlik, editors, *Proc. of the 16th Conference on Artificial Intelligence in Education (AIED 2013)*, volume 7926 of *Lecture Notes in Computer Science*, pages 61–70, Memphis, TN, July 2013. Springer Berlin Heidelberg. myPub62.
- Daria Bondareva, Cristina Conati, Reza Feyzi-Behnagh, Jason M. Harley, Roger Azevedo, and François Bouchet. Inferring Learning from Gaze Data during Interaction with an Environment to Support Self-Regulated Learning. In H. Chad Lane, Kalina Yacef, Jack Mostow, and Philip Pavlik, editors, *Proc. of the 16th Conference on Artificial Intelligence in Education (AIED 2013)*, volume 7926 of *Lecture Notes in Computer Science*, pages 229–238, Memphis, TN, July 2013. Springer Berlin Heidelberg. myPub60.

- Babak Khosravifar, François Bouchet, Reza Feyzi-Behnagh, Roger Azevedo, and Jason M. Harley. Using Intelligent Multi-Agent Systems to Model and Foster Self-Regulated Learning: A Theoretically-Based Approach using Markov Decision Process. In Leonard Barolli, Fatos Xhafa, Makoto Takizawa, Tomoya Enokido, and Hui-Huang Hsu, editors, *The IEEE 27th International Conference on Advanced Information Networking and Applications (AINA-2013)*, pages 413–420, Barcelona, Catalonia, Spain, March 2013. Conference Publishing Services (CPS). myPub51.
- Jean-Paul Sansonnet and François Bouchet. Managing personality influences in dialogical agents. In Joaquim Filipe and Ana Fred, editors, *Proceedings of the 5th International Conference on Agents and Artificial Intelligence (ICAART 2013)*, volume 1, pages 89–98, Barcelona, Spain, February 2013. SciTePress. myPub49.
- François Bouchet, John S. Kinnebrew, Gautam Biswas, and Roger Azevedo. Identifying Students’ Characteristic Learning Behaviors in an Intelligent Tutoring System Fostering Self-Regulated Learning. In Kalina Yacef, Osmar Zaiane, Arnon Hershkovitz, Michael Yudelson, and John Stamper, editors, *Proceedings of the 5th International Conference on Educational Data Mining*, pages 65–72, Chania, Greece, June 2012. myPub47.
- Jason M. Harley, François Bouchet, and Roger Azevedo. Measuring learners’ unfolding, discrete emotional responses to different pedagogical agents scaffolding strategies. In *The 2012 Annual meeting of the American Educational Research Association*, Vancouver, BC, Canada, April 2012. myPub36.
- Roger Azevedo, Ronald S. Landis, Reza Feyzi-Behnagh, Melissa Duffy, Gregory J. Trevors, Jason M. Harley, François Bouchet, Jonathan Burlison, Michelle Taub, Nicole Pacampara, Mohammed Yeasin, A. K. Mahbubur M. Rahman, M. Iftekhar Tanveer, and Gahangir Hossain. The Effectiveness of Pedagogical Agents’ Prompting and Feedback in Facilitating Co-Adapted Learning with MetaTutor. In Stefano A. Cerri, William J. Clancey, Giorgos Papadourakis, and Kitty Panourgia, editors, *Intelligent Tutoring Systems, 11th International Conference*, volume 7315 of *Lecture Notes in Computer Science*, pages 212–221, Chania, Greece, June 2012. Springer. myPub43.
- Jason M. Harley, François Bouchet, and Roger Azevedo. Examining Learners’ Emotional Responses to Virtual Pedagogical Agents’ Tutoring Strategies. In Hannes Högni Vilhjálmsón, Stefan Kopp, Stacy Marsella, and Kristinn R. Thórisson, editors, *Intelligent Virtual Agents, 11th International Conference*, volume 6895 of *Lecture Notes in Computer Science*, pages 449–450, Reykjavik, Iceland, September 2011. Springer. myPub33.
- François Bouchet and Jean-Paul Sansonnet. Influence of Personality Traits on the Rational Process of Cognitive Agents. In *2011 IEEE/WIC/ACM International Conferences on Web Intelligence and Intelligent Agent Technology*, pages 81–88, Lyon, France, August 2011. IEEE Computer Society. myPub31.
- Jean-Paul Sansonnet, François Bouchet, and William Turner. Personification of Topics with Conversational Agents. In Katherine Blashki, editor, *Proc. of Interfaces and Human-Computer Interaction 2011*, Rome, Italy, July 2011. IADIS Press. myPub30.
- Jean-Paul Sansonnet and François Bouchet. Integrating Psychological Behaviors in the Rational Process of Conversational Assistant Agents. In R. Charles Murray and Philip M. McCarthy, editors, *Proceedings of the Twenty-Fourth International Florida Artificial Intelligence Research Society Conference (FLAIRS 2011)*, pages 440–445, Palm Beach, FL, USA, May 2011. AAAI Press. myPub26.
- Jean-Paul Sansonnet and François Bouchet. Expression of behaviors in Assistant Agents as influences on rational execution of plans. In Jan M. Allbeck, Norman I. Badler, Timothy W. Bickmore, Catherine Pelachaud, and Alla Safonova, editors, *Intelligent Virtual Agents, 10th International Conference*, volume 6356 of *Lecture Notes in Computer Science*, pages 413–419, Philadelphia, PA, USA, September 2010. Springer. myPub21.
- Jean-Paul Sansonnet and François Bouchet. Joint handling of Rational and Behavioral reactions in Assistant Conversational Agents. In Helder Coelho, Rudi Studer, and Michael Wooldridge, editors, *Proc. of the 19th European Conference on Artificial Intelligence (ECAI 2010)*, pages 1049–1050, Lisbon, Portugal, August 2010. IOS Press. myPub20.
- François Bouchet and Jean-Paul Sansonnet. Implementing personality adjectives as behavioral schemes. In Katherine Blashki, editor, *Proc. of Interfaces and Human-Computer Interaction 2010*, pages 338–342, Freiburg, Germany, July 2010. IADIS Press. myPub19.
- Marcelo Soares Pimenta, Evandro Manara Miletto, Jean-Paul Sansonnet, and François Bouchet. Social Music Making on the Web with CODES. In *Proceedings of the 2010 ACM Symposium on Applied Computing*, pages 876–877, Sierre, Switzerland, March 2010. ACM. myPub17.
- François Bouchet and Jean-Paul Sansonnet. Subjectivity and Cognitive Biases Modeling for a Realistic and Efficient Assisting Conversational Agent. In *2009 IEEE/WIC/ACM International Conference on Web Intelligence and Intelligent Agent Technology*, volume 2, pages 209–216, Milan, Italy, September 2009. IEEE Computer Society. myPub14.
- François Bouchet and Jean-Paul Sansonnet. Tree-kernel and Feature Vector Methods for Formal Semantic Requests Classification. In Petra Perner, editor, *Machine Learning and Data Mining in Pattern Recognition*, pages 126–140, Leipzig, Germany, July 2009. IBAI Publishing. myPub11.
- Mao Xuetao, François Bouchet, and Jean-Paul Sansonnet. An ACA-based Semantic Space for Processing Domain Knowledge in the Assistance Context. In Franck Ko, editor, *Proc. of the 3rd International Conference on New Trends in Information and Service Science (NISS 2009)*, pages 344–349, Beijing, China, July 2009. CPS Publication. myPub12.

Mao Xuetao, Jean-Paul Sansonnet, and François Bouchet. Intelligent Assisting Conversational Agents viewed through Novice Users' Requests. In Katherine Blashki, editor, *Proc. of Interfaces and Human-Computer Interaction 2009*, pages 37–44, Algarve, Portugal, June 2009. IADIS Press. myPub8.

Mao Xuetao, François Bouchet, and Jean-Paul Sansonnet. Impact of agent's answers variability on its believability and human-likeness and consequent chatbot improvements. In Greg Michaelson and Ruth Aylett, editors, *Proc. of the Symposium Killer Robots vs Friendly Fridges – The Social Understanding of Artificial Intelligence (AISB 2009)*, pages 31–36, Edinburgh, Scotland, April 2009. SSAISB. myPub6.

International peer-reviewed conferences (without proceedings)

Diego Oswaldo Camacho Vega and François Bouchet. Self-Regulated Learning: Comparing Online and Classroom Courses in Cognition, Metacognition, Motivation, Emotions, Contexts, and Behavior. In *The 2019 Annual meeting of the American Educational Research Association*, Toronto, Canada, April 2019. myPub113.

Niki Papaioannou, Ronald S. Landis, Cassia K. Carter, Roger Azevedo, François Bouchet, and Jason M. Harley. Computer-based Learning Environments in Organizational Training: Impact of Learning Environment and Personality. Chicago, IL, USA, May 2016. myPub92.

Reza Feyzi-Behnagh, Roger Azevedo, François Bouchet, and Yan Tian. The role of an open learner model and immediate feedback on metacognitive calibration in MetaTutor. In *The 2016 Annual meeting of the American Educational Research Association*, Washington, DC, USA, April 2016. myPub88.

Melissa Duffy, Roger Azevedo, Sarkis Meterissian, and François Bouchet. VirtualSelf: A computer-based learning environment for patient education using physiological and trace data. Montreal, QC, Canada, June 2014. myPub75.

Michelle Taub, Roger Azevedo, Nicholas Mudrick, and François Bouchet. Sub-goal sequence matters: determining the effects of sub-goal sequence on emotions during learning with hypermedia-learning environments. In *The 6th Biennial Meeting of the EARLI Special Interest Group 16 - Metacognition*, Istanbul, Turkey, September 2014. myPub81.

Roger Azevedo, Nicholas Mudrick, Michelle Taub, Reza Feyzi-Behnagh, and François Bouchet. Are pedagogical agents effective in scaffolding metacognitive processes during learning with MetaTutor? In *The 6th Biennial Meeting of the EARLI Special Interest Group 16 - Metacognition*, Istanbul, Turkey, September 2014. myPub80.

Nicholas Mudrick, Roger Azevedo, Michelle Taub, and François Bouchet. How Do Pedagogical Agents' SRL-Prompts Impact Students' Affect as They Interact with Intelligent Tutoring Systems? In *The 6th Biennial Meeting of the EARLI Special Interest Group 16 - Metacognition*, Istanbul, Turkey, September 2014. myPub79.

Roger Azevedo, Michelle Taub, Nicholas Mudrick, Reza Feyzi-Behnagh, and François Bouchet. The impact of pedagogical agents' scaffolding of metacognitive self-regulatory processes during learning with MetaTutor. In *The 6th Biennial Meeting of the EARLI Special Interest Group 16 - Metacognition*, Istanbul, Turkey, September 2014. myPub78.

John Ranellucci, François Bouchet, Eric G. Poitras, Susanne P. Lajoie, and Roger Azevedo. An analysis of emotions in educationally relevant tweets. In *The 2014 Annual meeting of the American Educational Research Association*, Philadelphia, PA, USA, April 2014. myPub72.

Gregory J. Trevors, Reza Feyzi-Behnagh, Anoop Saxena, François Bouchet, and Roger Azevedo. Students regulate their learning processes as a function of multimedia coherence: Analyses of eye-gaze behaviour. In *The 15th Biennial Meeting of the European Association for Research on Learning and Instruction (EARLI 2013)*, Munich, Germany, August 2013. myPub67.

Michelle Taub, Roger Azevedo, François Bouchet, Reza Feyzi-Behnagh, and Jason M. Harley. Can prior knowledge adequately predict the use of metacognitive processes during hypermedia learning? In *The 15th Biennial Meeting of the European Association for Research on Learning and Instruction (EARLI 2013)*, Munich, Germany, August 2013. myPub66.

Jason M. Harley, Michelle Taub, François Bouchet, Joan Henchey, and Roger Azevedo. Profiling Learners' Co-Regulation Patterns with a Pedagogical Agent in an Intelligent Tutoring System for Learning About Human Biology. In *The 2013 Annual meeting of the American Educational Research Association*, San Francisco, CA, USA, April 2013. myPub55.

Jason M. Harley, Cassia Carter, Niki Papaioannou, François Bouchet, Roger Azevedo, and Ronald S. Landis. Examining Learners' Academic Achievement Emotions during Science Learning with an Intelligent, Hypermedia Multi-Agent System. In *The 2013 Annual meeting of the American Educational Research Association*, San Francisco, CA, USA, April 2013. myPub54.

Gregory J. Trevors, Reza Feyzi-Behnagh, Roger Azevedo, Wook Yang, Joan Henchey, Valérie Bélanger-Cantara, François Bouchet, Grace Wang, and Nicole Pacampara. Eye-Movement Patterns in Science Multimedia as a Function of Epistemic Beliefs and Learning Task Conditions. In *The 2013 Annual meeting of the American Educational Research Association*, San Francisco, CA, USA, April 2013. myPub57.

Babak Khosravifar, Roger Azevedo, Reza Feyzi-Behnagh, François Bouchet, Jason M. Harley, Melissa Duffy, Gregory J. Trevors, and Michelle Taub. Using Intelligent Multi-Agent Systems to Model and Foster Self-Regulated Learning: A Theoretically-Based Approach using Markov Decision Process. In *The 2013 Annual meeting of the American Educational Research Association*, San Francisco, CA, USA, April 2013. myPub56.

Reza Feyzi-Behnagh, Gregory J. Trevors, Roger Azevedo, Wook Yang, Valérie Bélanger-Cantara, Joan Henchey, François Bouchet, Nicole Pacampara, and Grace Wang. Understanding Multimedia Learning by Converging Process and Product Data. In *The 2013 Annual meeting of the American Educational Research Association*, San Francisco, CA, USA, April 2013. myPub53.

Jason M. Harley, François Bouchet, and Roger Azevedo. Measuring Learners' Co-Occurring Emotional Responses during their Interaction with a Pedagogical Agent in MetaTutor. In Stefano A. Cerri, William J. Clancey, Giorgos Papadourakis, and Kitty Panourgia, editors, *Intelligent Tutoring Systems, 11th International Conference*, volume 7315 of *Lecture Notes in Computer Science*, pages 40–45, Chania, Greece, June 2012. Springer. myPub44.

International peer-reviewed workshops and symposia

Léo Nebel, François Bouchet, and Vanda Luengo. Characterizing revision events in students' writing processes using LLMs. In *Workshop - Writing And Literacy Instruction for Educational Data Mining*, Palermo, Italy, July 2025. myPub160.

Mélina Verger, Chunyang Fan, Sébastien Lallé, François Bouchet, and Vanda Luengo. A Fair Post-Processing Method based on the MADD Metric for Predictive Student Models. In *1st International Tutorial and Workshop on Responsible Knowledge Discovery in Education (RKDE 2023) at ECML PKDD 2023*, Turino, Italy, September 2023. myPub153.

Hugues Labarthe, Vanda Luengo, and François Bouchet. Analyzing the relationships between learning analytics, educational data mining and AI for education. In Sébastien Béland, Michel C. Desmarais, and Nathalie Loye, editors, *Proc. of learning analytics workshop at ITS 2018*, Montreal, QC, Canada, June 2018. (electronic medium). myPub108.

François Bouchet, Hugues Labarthe, Kalina Yacef, and Rémi Bachelet. Comparing Peer Recommendation Strategies in a MOOC. In *ACM Extended Proceedings of UMAP 2017*, Bratislava, Slovakia, July 2017. myPub100.

Roger Azevedo, Nicholas Mudrick, Michelle Taub, Reza Feyzi-Behnagh, and François Bouchet. Understanding the nature of self-regulated learning with metacognitive tools: Converging eye-tracking, log-file, and facial expressions. In *The Meeting of the EARLI Special Interest Groups 6&7 - 'Instructional Design' and 'Learning and Instruction with Computers'*, Rotterdam, the Netherlands, August 2014. myPub77.

Jason M. Harley, François Bouchet, Niki Papaioannou, Cassia Carter, Gregory J. Trevors, Reza Feyzi-Behnagh, Roger Azevedo, and Ronald S. Landis. Assessing Learning with MetaTutor, a Multi-Agent Hypermedia Learning Environment. In *The 2014 Annual meeting of the American Educational Research Association*, Philadelphia, PA, USA, April 2014. myPub71.

Jason M. Harley, François Bouchet, M. Sazzad Hussain, Roger Azevedo, and Rafael A. Calvo. A Multi-Componential Analysis of Emotions during Complex Learning with an Intelligent Multi-Agent System. In *The 2014 Annual meeting of the American Educational Research Association*, Philadelphia, PA, USA, April 2014. myPub70.

Reza Feyzi-Behnagh, Gregory J. Trevors, François Bouchet, and Roger Azevedo. Aligning Multiple Sources of SRL Data in MetaTutor: Towards Interactive Scaffolding in Multi-Agent Systems. In *Symposium in the 15th Biennial Meeting of the European Association for Research on Learning and Instruction (EARLI 2013)*, Munich, Germany, August 2013. myPub65.

Roger Azevedo, Reza Feyzi-Behnagh, Jason M. Harley, and François Bouchet. Analyzing temporally unfolding self-regulatory processes during learning with multi-agent technologies. In *Symposium in the 15th Biennial Meeting of the European Association for Research on Learning and Instruction (EARLI 2013)*, Munich, Germany, August 2013. myPub63.

Roger Azevedo, Jason M. Harley, François Bouchet, Reza Feyzi-Behnagh, Michelle Taub, Gregory Trevors, and Melissa Duffy. MetaTutor: an innovative technology environment to study and assess self-regulatory processes. In *Symposium in the 15th Biennial Meeting of the European Association for Research on Learning and Instruction (EARLI 2013)*, Munich, Germany, August 2013. myPub64.

Jason M. Harley, Michelle Taub, François Bouchet, and Roger Azevedo. A Framework to Understand the Nature of Co-Regulated Learning in Human-Pedagogical Agent Interactions. In *Proc. of the Fourth Workshop on Self-Regulated Learning in Educational Technologies*, Chania, Greece, June 2012. (electronic medium). myPub46.

Roger Azevedo, François Bouchet, Jason M. Harley, Reza Feyzi-Behnagh, Gregory Trevors, Melissa Duffy, Michelle Taub, Nicole Pacampara, Lauren Agnew, Sophie Griscom, Nicholas Mudrick, Victoria Stead, and Wook Yang. MetaTutor: An Intelligent Multi-Agent Tutoring System Designed to Detect, Track, Model, and Foster Self-Regulated Learning. In Amali Weerasinghe, Roger Azevedo, Ido Roll, and Ben du Boulay, editors, *Proc. of the Fourth Workshop on Self-Regulated Learning in Educational Technologies*, Chania, Greece, June 2012. (electronic medium). myPub45.

Roger Azevedo, François Bouchet, Reza Feyzi-Behnagh, Jason M. Harley, Melissa Duffy, and Gregory J. Trevors. MetaTutor as an innovative technology environment to assess students' self-regulatory processes. In *Symposium on Knowing What Students Know and Feel: Innovative Technology Rich Assessments at the 2012 Annual meeting of the American Educational Research Association*, Vancouver, BC, Canada, April 2012. myPub37.

Roger Azevedo, Reza Feyzi-Behnagh, Jason M. Harley, François Bouchet, and Michelle Taub. Externally-Regulated Learning between Human and Artificial Pedagogical Agents in the Context of a Multi-Agent Adaptive Hypermedia Environment. In *Symposium on Innovations in Researching Regulation of Learning in Solo and Collaborative Tasks at the 2012 Annual meeting of the American Educational Research Association*, Vancouver, BC, Canada, April 2012. myPub38.

Roger Azevedo, Reza Feyzi-Behnagh, Jason M. Harley, François Bouchet, Gregory J. Trevors, Melissa Duffy, and Zaynab Sabagh. Measuring self-regulated learning with a multi-agent hypermedia environment. In *Symposium on Measuring Self-Regulated Learning with Multi-Agent Learning Environments at the 2012 Annual meeting of the American Educational Research Association*, Vancouver, BC, Canada, April 2012. myPub39.

Roger Azevedo, Jason M. Harley, Reza Feyzi-Behnagh, and François Bouchet. Using on-line measures to understand self-regulated learning with advanced learning technologies. In *Symposium on Integrating Different Approaches to Investigating Self-Regulated Learning at the 2012 Annual meeting of the American Educational Research Association*, Vancouver, BC, Canada, April 2012. myPub40.

Jean-Paul Sansonnet and François Bouchet. Extraction of Agent Psychological Behaviors from Glosses of WordNet Personality Adjectives. In *Proc. of the 8th European Workshop on Multi-Agent Systems (EUMAS'10)*, Paris, France, December 2010. (electronic medium). myPub25.

François Bouchet and Jean-Paul Sansonnet. A framework for modeling the relationships between the rational and behavioral reactions of assisting conversational agents. In *Proc. of the 7th European Workshop on Multi-Agent Systems (EUMAS'09)*, Agia Napa, Cyprus, December 2009. (electronic medium). myPub16.

Evandro Manara Miletto, Jean-Paul Sansonnet, Marcelo Soares Pimenta, and François Bouchet. Corpus-based design of a Web 2.0 Assisting Agent. In Luis Olsina, Oscar Pastor, Daniel Schwabe, Gustavo Rossi, and Marco Winckler, editors, *Proc. of the 8th International Workshop on Web-Oriented Software Technologies (IWWOST'2009)*, volume 493, pages 52–63, San Sebastian, Spain, June 2009. CEUR Workshop Proceedings. myPub9.

National peer-reviewed conferences

Mélina Verger, François Bouchet, Sébastien Lallé, and Vanda Luengo. Caractérisation et mesure des discriminations algorithmiques dans la prédiction de la réussite à des cours en ligne. In *EIAH2023 : 11ème Conférence sur les Environnements Informatiques pour l'Apprentissage Humain*, Brest, France, June 2023. myPub152.

Katia Oliver-Quelebec, François Bouchet, Thibault Carron, and Claire Pinçon. Usages dans le temps d'un tableau de bord d'apprentissage dans un jeu sérieux. In *EIAH2023 : 11ème Conférence sur les Environnements Informatiques pour l'Apprentissage Humain*, pages 256–261, Brest, France, June 2023. Association des Technologies de l'Information pour l'Éducation et la Formation. myPub150.

Fatima Harrak and François Bouchet. Aide au suivi de la progression de groupes d'apprenants pour la mise en place d'une pédagogie différenciée. In Marie Lefevre and Christine Michel, editors, *10e Conférence sur les Environnements Informatiques pour l'Apprentissage Humain*, pages 312–317, Fribourg, Switzerland, June 2021. myPub134.

Katia Oliver-Quelebec, François Bouchet, Thibault Carron, and Claire Pinçon. Faciliter le recueil de traces par la numérisation d'un outil tangible de co-design : application à la conception de tableaux de bord d'apprentissage. In Marie Lefevre and Christine Michel, editors, *10e Conférence sur les Environnements Informatiques pour l'Apprentissage Humain*, pages 360–365, Fribourg, Switzerland, June 2021. myPub133.

Camila Morais Canellas, François Bouchet, and Vanda Luengo. Représentations sociales de l'analytique des apprentissages avec le numérique. In Marie Lefevre and Christine Michel, editors, *10e Conférence sur les Environnements Informatiques pour l'Apprentissage Humain*, pages 354–359, Fribourg, Switzerland, June 2021. myPub132.

Thomas Sergent, Morgane Daniel, François Bouchet, and Thibault Carron. Analyse de remédiations proposées par des enseignants ciblant des déficits d'auto-régulation de jeunes élèves dans une application d'apprentissage de la lecture. In Marie Lefevre and Christine Michel, editors, *10e Conférence sur les Environnements Informatiques pour l'Apprentissage Humain*, pages 262–273, Fribourg, Switzerland, June 2021. myPub131.

Thomas Sergent, Morgane Daniel, François Bouchet, and Thibault Carron. Détection de déficits d'auto-évaluation et d'auto-efficacité dans un logiciel enseignant la lecture et l'écriture. In Marie Lefevre and Christine Michel, editors, *10e Conférence sur les Environnements Informatiques pour l'Apprentissage Humain*, pages 250–261, Fribourg, Switzerland, June 2021. myPub130.

Fatima Harrak, François Bouchet, and Vanda Luengo. Comparaison de questions posées et votées en ligne dans le cadre d'une classe inversée. In Julien Broisin, Eric Sanchez, Amel Yessad, and Françoise Chenevotot, editors, *Actes de la 9ème Conférence sur les Environnements Informatiques pour l'Apprentissage Humain*, pages 121–132, Paris, France, June 2019. myPub114.

Baptiste Monterrat, Amel Yessad, François Bouchet, Elise Lavoué, and Vanda Luengo. MAGAM: un modèle générique pour l'adaptation multi-aspects dans les EIAH. In *Environnements Informatiques pour l'Apprentissage Humain*, Strasbourg, France, June 2017. myPub98.

Jean-Paul Sansonnet, François Bouchet, and Nicolas Sabouret. Moteurs de personnalité pour agents dialogiques : étude d'un modèle pour les traits interpersonnels. In Hassas Salima and Morge Maxime, editors, *SMA Systèmes Multi-agents JFSMA 13 - 21e Journées francophones sur les systèmes multi-agents*, pages 105–114, Lille, France, July 2013. Cepadués Editions. myPub59.

François Bouchet and Jean-Paul Sansonnet. Une approche facilitant la couverture et l'intelligibilité des influences des traits de personnalité sur le raisonnement rationnel des agents. In Pierre Chevaillier and Bruno Mermet, editors, *SMA Systèmes Multi-agents JFSMA 12 - 20e Journées francophones sur les systèmes multi-agents*, pages 97–106, Honfleur, France, October 2012. Cépaduès Editions. myPub48.

John Ranellucci, Eric Poitras, François Bouchet, Susanne P. Lajoie, and Roger Azevedo. Using social networking to guide research on emotions in education. In *The 2012 Annual Conference of the Canadian Society for the Study of Education*, Waterloo, ON, Canada, May 2012. (electronic medium). myPub42.

Jean-Paul Sansonnet and François Bouchet. Personnification d'Entités par Agents Conversationnels. In *Actes des Sixièmes Journées Francophones Modèles Formels de l'Interaction (MFI'11)*, pages 139–150, Rouen, France, June 2011. myPub28.

François Bouchet and Jean-Paul Sansonnet. Un cadre de modélisation des relations entre les réactions rationnelles et comportementales des agents assistants conversationnels. In Michel Ocello and Lilia Rejeb, editors, *SMA Systèmes Multi-agents JFSMA 10 - 18e Journées francophones sur les systèmes multi-agents*, pages 97–106, Mahdia, Tunisia, October 2010. Cépaduès. myPub22.

François Bouchet and Jean-Paul Sansonnet. Apports Complémentaires de la Subjectivité et des Biais Cognitifs à la Rationalité dans le Contexte de la Fonction d'Assistance. In Nicolas Maudet, Pierre-Yves Schobbens, and Marc Guyomard, editors, *Actes des Cinquièmes Journées Francophones Modèles Formels de l'Interaction (MFI'09)*, pages 69–80, Lannion, France, June 2009. Université de Rennes 1. myPub7.

François Bouchet and Jean-Paul Sansonnet. Caractérisation de Requêtes d'Assistance à partir de corpus. In Jérôme Lang, Yves Lespérance, David Sadek, and Nicolas Maudet, editors, *Actes des Quatrièmes Journées Francophones Modèles Formels de l'Interaction (MFI'07)*, volume 8 of *Annales du LAMSADE*, pages 269–276, Paris, France, June 2007. Université Paris Dauphine. myPub4.

National peer-reviewed workshops and symposia

François Bouchet and Didier Roy. L'apport combiné de deux algorithmes d'IA à l'optimisation des parcours d'apprentissage dans le projet Adaptiv'Math. In *Dispositifs et collectifs pour la formation, l'enseignement et l'apprentissage des mathématiques*, pages 855–868, Grenoble, France, June 2021. ARPEME. myPub139.

Hugues Labarthe, Vanda Luengo, and François Bouchet. Analyse de l'hybridation entre les communautés LAK, EDM et AIED. In *Actes de la Journée IA pour l'Education 2018*, Nancy, France, July 2018. myPub109.

Guy Merlin Mbatchou, François Bouchet, and Thibault Carron. Multi-scenario modelling of learning. In Cheikh M. F. Kebe, Assane Gueye, Ababacar Ndiaye, and Aminata Garba, editors, *Conférence sur la Recherche en Informatique et ses Applications*, volume 249 of *Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering*, pages 199–211, Ziguinchor, Senegal, April 2018. Springer. myPub105.

François Bouchet, Rémi Bachelet, Hugues Labarthe, and Kalina Yacef. Apports d'un outil de recommandation de pairs pour lutter contre l'attrition. In Annie Jézégou, Pierre-André Caron, and Jean Heutte, editors, *Actes du Colloque e-Formation 2018*, pages 431–432, Villeneuve d'Ascq, France, March 2018. (electronic medium). myPub104.

Gorgoumack Sambe, François Bouchet, and Jean-Marc Labat. Towards a Conceptual Framework to Scaffold Self-regulation in a MOOC. In Cheikh M. F. Kebe, Assane Gueye, and Ababacar Ndiaye, editors, *Innovation and Interdisciplinary Solutions for Underserved Areas*, volume 204 of *LNICST*, pages 245–256, Dakar, Senegal, April 2017. Springer, Cham. myPub97.

Baptiste Monterrat, François Bouchet, Elise Lavoué, and Vanda Luengo. Vers une adaptation des apprentissages générique et multi-aspects. In *Actes de l'atelier personnalisation et adaptation dans les environnements d'apprentissage - ORPHEE-RDV 2017*, Font-Romeu, France, January 2017. (electronic medium). myPub95.

François Bouchet and Jean-Paul Sansonnet. Classification of Wordnet Personality Adjectives in the NEO PI-R Taxonomy. In *Actes du Quatrième Workshop sur les Agents Conversationnels Animés (WACA 2010)*, pages 83–90, Lille, France, November 2010. myPub24.

Jean-Paul Sansonnet, Evandro Manara Miletto, François Bouchet, and Marcelo Soares Pimenta. Exploring the integration of teaching capabilities into a CSCP framework through help agents. In *Proc. of the 20th Brazilian Symposium of Computer Science in Education (SBIE 2009)*, Florianópolis, SC, Brazil, November 2009. (electronic medium). myPub15.

Evandro Manara Miletto, Marcelo Soares Pimenta, François Bouchet, Jean-Paul Sansonnet, and Damián Keller. Music Creation by Novices should be both Prototypical and Cooperative - Lessons Learned from CODES. In *Proc. of the 12th Brazilian Symposium on Computer Music (SBCM)*, Recife, PE, Brazil, September 2009. (electronic medium). myPub13.

Mao Xuetao, Jean-Paul Sansonnet, and François Bouchet. A corpus-based NLP-chain for a web-based Assisting Conversational Agent. In *Actes du Troisième Workshop sur les Agents Conversationnels Animés (WACA 2008)*, pages 41–49, Paris, France, November 2008. myPub5.

François Bouchet and Jean-Paul Sansonnet. Étude d'un corpus de requêtes en langue naturelle pour des agents assistants. In *Actes du Deuxième Workshop sur les Agents Conversationnels Animés (WACA 2006)*, pages 95–104, Toulouse, France, October 2006. myPub2.

Young researchers peer-reviewed conferences

Jason M. Harley, François Bouchet, and Roger Azevedo. Providing adaptive, real-time tutorial feedback in MetaTutor. In *Annual Conference of the Education Graduate Students' Society: Meeting in the Middle: (de)Constructing Knowledge*, Montreal, QC, Canada, March 2013. myPub50.

Jason M. Harley, François Bouchet, and Roger Azevedo. Co-Occurring Emotions: Building an Understanding of Parallel-Emotional Processing and its Applications to Learning and Education with Intelligent Tutoring Systems. In *Annual Conference of the Education Graduate Students' Society: (e)Merging Knowledges: Classroom, Community, Culture*, Montreal, QC, Canada, March 2012. myPub34.

François Bouchet. Characterization of Conversational Activities in a Corpus of Assistance Requests. In Thomas Icard, editor, *Proc. of the 14th Student Session of the European Summer School for Logic, Language, and Information (ESSLLI)*, pages 40–50, Bordeaux, France, July 2009. myPub10.

François Bouchet. Caractérisation d'un Corpus de Requêtes d'Assistance. In Nabil Hathout and Philippe Muller, editors, *Actes de la 11e Rencontre des Etudiants Chercheurs en Informatique pour le Traitement Automatique des Langues (RECITAL 2007)*, volume 2, pages 357–366, Toulouse, France, June 2007. IRIT Press. myPub3.

Research reports

Marc Barzman, Mélanie Gerphagnon, Olivier Mora, Genevieve Aubin-Houzelstein, Alain Benard, Caroline Martin, George-Louis Baron, François Bouchet, Juliette Dibie-Barthelemy, Jean-Francois Gibrat, Simon Hodson, Evelyne Lhoste, Yann Moulrier Boutang, Sébastien Perrot, Fabrice Phung, Christian Pichot, Mehdi Siné, and Thierry Venin. Transition numérique et pratiques de recherche et d'enseignement supérieur en agronomie, environnement, alimentation et sciences vétérinaires à l'horizon 2040. report, Inra, France, 2019. myPub118.

François Bouchet. *Conception d'une chaîne de traitement de la langue naturelle pour un agent conversationnel assistant*. Ph.D. thesis, Université Paris-Sud 11, Orsay, France, June 2010. myPub18.

Jean-Paul Sansonnet and François Bouchet. A Formal Notation for the Elicitation of Emotions based on the OCC Model. Technical Note, LIMSI-CNRS, Orsay, France, February 2010.

François Bouchet and Jean-Paul Sansonnet. Characterization of Conversational Activities in a Corpus of Assisting Requests. Technical Note TN-G-07.03, LIMSI-CNRS, Orsay, France, March 2007.

François Bouchet. Conception d'un langage de requêtes pour un agent conversationnel assistant. Master's thesis, Université Paris-Sud 11, September 2006. myPub1.