Xavier Ochoa

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Website: http://wp.nyu.edu/xavier_ochoa
Born: November 27, 1976—Guayaquil, Ecuador
Nationality: Ecuadorian

Current Position

2018	*Assistant Professor of Learning Analytics*, Department of Administration, Leadership, and Technology, Steinhardt School of Culture, Education, and Human Development, New York University

Other and Previous Appointments

2017-today	Vice-president, Society for Learning Analytics Research (SoLAR)
2017-today	Editor, Journal of Learning Analytics
2016-today	Editorial Board of the IEEE Transactions on Learning Technologies (TLT)
2014-today	Executive Committee of the Society for Learning Analytics Research (SoLAR)
2010-2018	Coordinator, Latin American Open Textbooks Initiative (LATIn)
2006-2018	Coordinator, Latin American Community on Learning Technologies (LACLO)
2002-2018	*Principal Professor - Level 3*, Electric and Computer Engineering Faculty (FIEC), Escuela Superior Politécnica del Litoral (ESPOL)
2017-2018	*Director*, Information Technology Center (CTI), ESPOL
2008-2018	*Director*, Research Group on Teaching and Learning Technologies (TEA), ESPOL
2008-2015	Program Coordinator, Computer Science Program, ESPOL

Areas of Specialization

Technology Enhanced Learning; Learning Analytics; Multimodal Learning Analytics

Education

2008	PHD in Engineering (Computer Science), Katholike Universiteit Leuven (KUL), Belgium
2002	MSc in Applied Computer Science, Vrije Universiteit Brussel (VUB), Belgium
2000	BS in Computer Science, Escuela Superior Politécnica del Litoral (ESPOL), Ecuador

Language Skills

— Native speaker of Spanish
— Fluent in English
— Basic communication skills in Portuguese

Selected Research Projects

2018-today	Learning Analytics for Latin America (LALA) - Erasmus+ - European Commission
2015-2017	Managing Uncertainty on Visual Analytics, Director, Funding: FWO - Belgium / SENESCYT - Ecuador
2011-2014	agInfra: Interconected Learning Repositories, Local Coordinator, Funding: FP7 - European Commission
2011-2014	Latin American Open Textbook Initiative (LATIn), Director, Funding: ALFA III - European Commission
2010-2013	Personalized Learning in LA HEIs (IGUAL), Local Coordinator, Funding: ALFA III - European Commission
2009-2013	Measuring Cognitive and Metacognitive Skills, Director, Funding: VLIR - Belgium

Selected Teaching

graduate	Learning Analytics
graduate	Design and Analysis of Algorithms
graduate	Digital Signal Processing
undergrad.	Interactive Multimedia Applications
undergrad.	Audio and Video Processing
undergrad.	Signal and Systems
teach. train.	Research-based Education
teach. train.	Design of Online Courses
teach. train.	Use of Technology in the Classroom

Selected Grants, Honors & Awards

2014	Award to Scientific Output in the last 5 years, IEEE, Ecuador
2014	Best Paper Award, International Conference on Learning Analytics 2014
2013	Best Professor Award, ESPOL, Ecuador
2012	Award to Research Achievement, ESPOL, Ecuador
2009	RIP Fund Recipient, VLIR, Belgium
2008	Outstanding Paper Award, World Conference on Educational Multimedia, Hypermedia and Telecommunications 2008

2007	Outstanding Paper Award, World Conference on Educational Multimedia, Hypermedia and Telecommunications 2007
2004	VLIR Scholarship Recipient, VLIR, Belgium
2002	Graded with "Great Distinction", VUB
2001	VLIR Scholarship Recipient, VLIR, Belgium
2000	Silver Medal, Valedictorian of Electric and Computer Engineering, ESPOL

Selected publications

2017	Ochoa, X. Multimodal Learning Analytics. Handbook of Learning Analytics. Society for Learning Analytics Research (SoLAR), 129-141
2017	Ochoa, X., Ternier, S. Technical Learning Infrastructure, Interoperability and Standards. Technology Enhanced Learning. Springer, 145-156
2016	Ochoa, X. Simple Metrics for Curriculum Analytics. Proceedings of the 1st Learning Analytics for Curriculum and Program Quality Improvement Workshop (PCLA), 1590, 20-26
2016	Ochoa, X. Adaptive multilevel clustering model for the prediction of academic risk. XI Latin American Conference on Learning Objects and Technology (LACLO), 1-8
2015	Dominguez, F.; Chiluiza, K.; Echeverria, V.; Ochoa, X. Multimodal Selfies: Designing a Multimodal Recording Device for Students in Traditional Classrooms. Proceedings of the 2015 ACM on International Conference on Multimodal Interaction, 567-574
2015	Ochoa, X. Visualizing Uncertainty in the Prediction of Academic Risk. VISLA15: VISual Approaches to Learning Analytics Workshop, 4-10
2014	Mendez, G.; Ochoa, X.; Chiluiza, K. ; de Wever, B. Curricular Design Analysis: A Data-Driven Perspective. Journal of Learning Analytics, 1, 84-119
2013	Ochoa, X.; Chiluiza, K.; Mendez, G.; Luzardo, G.; Guaman, B. ; Castells, J. Expertise estimation based on simple multimodal features. Proceedings of the 15th ACM on International conference on multimodal interaction, 583-590
2012	Verbert, K.; Manouselis, N.; Ochoa, X.; Wolpers, M.; Drachsler, H.; Bosnic, I.; Duval, E. Context-Aware Recommender Systems for Learning: A Survey and Future Challenges. IEEE Transactions on Learning Technologies, IEEE Computer Society, 99
2012	Verbert, K.; Ochoa, X.; Pardo, A.; Duval, E. Semi-automatic Assembly of Learning Resources. Computers and Education, 59, 1257–1272
2011	Ochoa, X. Learnometrics: metrics for learning objects. Proceedings of the 1st International Conference on Learning Analytics and Knowledge, ACM, 1-8
2009	Ochoa, X.; Duval, E. Quantitative Analysis of Learning Object Repositories. IEEE Transactions on Learning Technologies, 2, 226-238
2008	Ochoa, X.; Duval, E. Relevance Ranking Metrics for Learning Objects. IEEE Transactions on Learning Technologies, IEEE Computer Society, 1, 34-4