AGUSTÍN GRAVANO

March 7, 2025

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CURRENT POSITIONS

· Associate Research Professor, Business School, Universidad Torcuato Di Tella.

· Director of the Artificial Intelligence Laboratory, Business School, Universidad Torcuato Di Tella.

· Independent Research Scientist, National Council of Scientific and Technical Research (CONICET).

RESEARCH INTERESTS

My main research topic consists in understanding and modelling the extraordinary degree of coordination exhibited by human beings while holding a conversation, both at a temporal level and along other dimensions of speech. The ultimate goal is to include this knowledge into spoken dialogue systems, aiming at improving their naturalness.

Besides, I seek contributing to the development of speech technologies in Spanish, by creating new resources, such as corpora and tools specific to this language. The goal is to encourage the virtuous circle: more willingness to use speech technologies – more interest in developing such technologies (in both the Academia and the Industry).

EDUCATION

· *Doctor of Philosophy (Ph.D.) in Computer Science.* Graduate School of Arts and Sciences (GSAS), Columbia University. May 2009. Thesis: "Turn-Taking and Affirmative Cue Words in Task-Oriented Dialogue". Advisor: Prof. Julia Hirschberg (julia@cs.columbia.edu). The thesis was awarded 'distinction'.

· *Master of Philosophy (M.Phil.) in Computer Science.* Graduate School of Arts and Sciences (GSAS), Columbia University. October 2006.

· *Master of Science (M.S.) in Computer Science.* School of Engineering and Applied Sciences (SEAS), Columbia University. October 2004.

· *Licenciado en Ciencias de la Computación.* Computer Science Department, University of Buenos Aires. July 2001. Thesis: "Study of Problems, Properties, and Algorithms for Circular-Arc and Circle Graphs". Advisor: Prof. Guillermo Durán (willy@dc.uba.ar).

RESEARCH EXPERIENCE

· Since 03/2020: Research Professor, Business School, Universidad Torcuato Di Tella (Associate Research Professor since 03/2021).

· Since 11/2010: Research Scientist, National Council of Scientific and Technical Research (CONICET) (*Assistant* until 10/2015, *Adjunct* until 10/2020, *Independent* since 11/2020).

· 04/2011 - 02/2020: Adjunct Full-Time Professor. Computer Science Dept., University of Buenos Aires.

· 08/2009 - 10/2010. Post-doctoral researcher. CS Department, University of Buenos Aires.

- 03/2009 - 06/2009: Visiting research scientist at Google Research, New York, NY. Supervisors: Martin Jansche and Michiel Bacchiani.

- 08/2003 - 01/2009. Graduate research assistant. Spoken Language Processing Group, Computer Science Department, Columbia University. Supervisor: Prof. Julia Hirschberg.

- 06/2008 - 08/2008: Summer intern at Google Research, New York, NY. Supervisors: Martin Jansche and Michiel Bacchiani.

- 06/2004 - 08/2004: Summer intern at IBM, Watson Research Center, Yorktown, NY. Supervisors: Yuqing Gao and Ruhi Sarikaya.

- 11/2000 - 07/2001. Intern in the Graph Theory Research Group, Computer Science Department, University of Buenos Aires. Supervisor: Prof. Guillermo Durán.

Teaching Experience

- Professor at the Business School, Universidad Torcuato Di Tella:
  Artificial Intelligence and Neuroscience, 2-2024.
  Introduction to Programming, 1-2021, 1-2022, 1-2023, 1-2024.
  Fundamentals of Algorithms (Master in Management+Analytics), 1-2018, 1-2019, 1-2020.
  Algorithmic Techniques (Master in Management+Analytics), 2-2019, 2-2020, 2-2021.

- Professor at the Computer Science Department, University of Buenos Aires:
  Machine Learning, 2-2015, 2-2016, 2-2018.
  Speech Processing, 2-2011, 2-2012, 2-2014, 1-2017.
  Algebra I - Functional Programming Workshop, 1-2018.
  Topics of Big Data in Data Mining (Masters), 2-2017.
  Introduction to Computer Science, 1-2012, 1-2013, 1-2014, 1-2015, 1-2016, 1-2019.
  Algorithms and Data Structures I, 2-2012, 2-2013.

- Professor at the Specialization in Artificial Intelligence, ORT University, Uruguay:
  Intelligent Agents (Reinforcement Learning), 1-2020.

- Teaching assistant at the Computer Science Department, University of Buenos Aires:
  Communications Theory, 1-2011; Jefe de Trabajos Prácticos; Professor: Claudio Righetti.
  Speech Processing, 2-2010; Jefe de Trabajos Prácticos.
  Programming Language Paradigms, 2-2002, 1-2003; Ayudante de Primera; Professor: Nicolás Kicillof.
  Algorithms and Data Structures II, 1-2001, 2-2001, 1-2002; Ayudante de Primera; Prof.: Marcelo Frías.
  Algorithms and Data Structures I, 1-1998, 2-1998, 1-1999, 2-1999; Ayudante de Segunda; Professor: Mónica Bobrowski.

- Teaching assistant at the Computer Science Department, Columbia University:
  Spoken Language Processing, 1-2005, 1-2006; Teaching assistant; Prof.: Julia Hirschberg.

Refereed Publications

2025. E. Ernst, R.H. Gálvez, **A. Gravano**. "Entrainment-metrics: An open-source toolkit for quantifying acoustic-prosodic entrainment in spoken dialogue", in: Correia, Rosá & Garijo (eds.), Advances in Artificial Intelligence - IBERAMIA 2024. LNCS, vol 15277, Springer, Feb 2025. https://doi.org/10.1007/978-3-031-80366-6_33

2024. J.E. González, N. Nieto, P. Brusco, **A. Gravano**, J.E. Kamienkowski. "Speech-induced suppression during natural dialogues", Communications Biology 7, 291. https://doi.org/10.1038/s42003-024-05945-9

2024. A. Romanisio, **A. Gravano**, "Predicción de la satisfacción del usuario a partir de chats de atención al cliente", Electronic Journal of SADIO, Vol. 23(1), pp. 2-24 (2024). https://publicaciones.sadio.org.ar/index.php/EJS/issue/view/65

2023. J.M. Pérez, F. Luque, D. Zayat, M. Kondratzky, A. Moro, P. Serrati, J. Zajac, P. Miguel, N. Debandi, **A. Gravano**, V. Cotik, "Assessing the impact of contextual information in hate speech detection", in IEEE Access, vol. 11, pp. 30575-30590. https://doi.org/10.1109/ACCESS.2023.3258973

2023. L. Gauder, L. Pepino, P. Riera, S. Brussino, J. Vidal, **A. Gravano**, L. Ferrer, "Towards detecting the level of trust in the skills of a virtual assistant from the user's speech", Computer Speech and Language, Vol. 80. https://doi.org/10.1016/j.csl.2023.101487

2023. P. Brusco, **A. Gravano**, "Automatic offline annotation of turn-taking transitions in task-oriented dialogue", Computer Speech and Language, Vol. 78. `https://doi.org/10.1016/j.csl.2022.101462`

2023. M. Meza, L. Gauder, L. Estienne, R. Barchi, **A. Gravano**, P. Riera, L. Ferrer (2023) "Teamwork Quality Prediction Using Speech-Based Features", in Proc. SMM23, Workshop on Speech, Music and Mind, `https://doi.org/10.21437/SMM.2023-1`

2022. R.C. Scardamaglia, A.A. Lew, **A. Gravano**, D.W. Winkler, A. Kacelnik, J.C. Reboreda, "Automated radio tracking provides evidence for social pair bonds in an obligate brood parasite", International Journal of Avian Science, Vol. 164(4), pp. 1180-1191.

2022. J.M. Pérez, D.E. Aleman, S.N. Kalinowski, **A. Gravano**, "Exploiting user-frequency information for mining regionalisms in Argentinian Spanish from Twitter", Revista de la Sociedad Española para el Procesamiento del Lenguaje Natural (SEPLN), Vol. 69, pp. 51-62.

2021. J. Gonzalez, N. Nieto, M. Veneziano, P. Brusco, **A. Gravano**, J.E. Kamienkowski, "Brain representation of natural speech acoustic features", in Proc. of Argentinian Symposium on Artificial Intelligence (ASAI), 50 JAIIO.

2020. P. Brusco, J. Vidal, S. Benus, **A. Gravano**, "A cross-linguistic analysis of the temporal dynamics of turn-taking cues using machine learning as a descriptive tool", Speech Communication. Vol. 125(1), pages 24-40.

2020. R.H. Gálvez, **A. Gravano**, S. Benus, R. Levitan, M. Trnka, J. Hirschberg, "An empirical study of the effect of acoustic-prosodic entrainment on the perceived trustworthiness of conversational avatars", Speech Communication. Vol. 124(1), pages 46-67.

2020. R.H. Gálvez, L. Gauder, J. Luque, **A. Gravano**, "A unifying framework for modeling acoustic/prosodic entrainment: definition and evaluation on two large corpora", in Proc. SIGDIAL 2020. Virtual conference.

2020. L. Pepino, P. Riera, L. Ferrer, **A. Gravano**, "Fusion approaches for emotion recognition from speech using acoustic and text-based features", in Proc. ICASSP 2020. Virtual conference.

2019. L. Gauder, **A. Gravano**, L. Ferrer, P. Riera, S. Brussino, "A protocol for collecting speech data with varying degrees of trust", in Proc. of the Speech, Music and Mind Workshop 2019. Vienna, Austria.

2019. P. Riera, L. Ferrer, **A. Gravano**, L. Gauder, "No Sample Left Behind: Towards a Comprehensive Evaluation of Speech Emotion Recognition Systems", in Proc. of the Speech, Music and Mind Workshop 2019. Vienna, Austria.

2019. M. Heldner, M. Wlodarczak, S. Benus, **A. Gravano**, "Voice quality as a turn-taking cue", in Proc. of Interspeech 2019. Graz, Austria.

2019. R. Sloan, S.S. Akhtar, B. Li, R. Shrivastava, **A. Gravano**, J. Hirschberg, "Prosody Prediction from Syntactic, Lexical, and Word Embedding Features", in Proc. of the 10th ISCA Speech Synthesis Workshop (SSW10). Vienna, Austria.

2018. L. Gauder, M. Reartes, R.H. Gálvez, S. Benus, **A. Gravano**, "Testing the effects of acoustic/prosodic entrainment on user behavior at the dialog-act level", Proc. of Speech Prosody 2018. Poznan, Poland.

2018. S. Benus, M. Trnka, E. Kuric, L. Martak, **A. Gravano**, J. Hirschberg, R. Levitan, "Testing the Effects of Acoustic/Prosodic Entrainment on User Behavior at the Dialog-Act Level", Proc. Speech Prosody 2018. Poznan, Poland.

2017. R.H. Gálvez, **A. Gravano**, "Assessing the usefulness of online message board mining in automatic stock prediction systems", Journal of Computational Science, Vol. 19, pp. 43-56.

2017. R.H. Gálvez, S. Benus, **A. Gravano**, M. Trnka, "Prosodic facilitation and interference while judging on the veracity of synthesized statements", Proc. of Interspeech 2017. Stockholm, Sweden.

2017. P. Brusco, **A. Gravano**, J.M. Pérez, "Cross-linguistic study of the production of turn-taking cues in American English and Argentine Spanish", Proc. of Interspeech 2017. Stockholm, Sweden.

2017. J. Kleinhans, M. Farrús, **A. Gravano**, J.M. Pérez, C. Lai, L. Wanner, "Using prosody to classify discourse relations", Proc. of Interspeech 2017. Stockholm, Sweden.

2017. L. Prats, M.S. Segretin, C. Fracchia, J. Kamienkowski, M. Pietto, J. Hermida, F. Giovannetti, N. Mancini, **A. Gravano**, B. Sheese, S. Lipina, "Asociaciones entre factores individuales y contextuales con el desempeño cognitivo en preescolares de hogares con Necesidades Básicas Insatisfechas (NBI)", Panamerican Journal of Neuropsychology, Vol. 11(2), pp. 42-77.

2016. **A. Gravano**, P. Brusco, S. Benus, "Who do you think will speak next? Perception of turn-taking cues in Slovak and Argentine Spanish", Proc. of Interspeech 2016, pages 1265-69. San Francisco, CA.

2016. J.M. Pérez, R.H. Gálvez, **A. Gravano**, "Disentrainment may be a positive thing: A novel measure of unsigned acoustic-prosodic synchrony, and its relation to speaker engagement", Proc. of Interspeech 2016, pages 1270-74. San Francisco, CA.

2016. R. Levitan, S. Benus, R.H. Gálvez, **A. Gravano**, F. Savoretti, M. Trnka, A. Weise, J. Hirschberg, "Implementing acoustic-prosodic entrainment in a conversational avatar", Proc. Interspeech 2016, pp1166-70. San Francisco, CA.

2015. **A. Gravano**, S. Benus, R. Levitan, J. Hirschberg, "Backward Mimicry and Forward Influence in Prosodic Contour Choice in Standard American English", Proc. of Interspeech 2015, pages 1839-43. Dresden, Germany.

2015. R. Levitan, S. Benus, **A. Gravano**, J. Hirschberg, "Acoustic-prosodic entrainment in Slovak, Spanish, English and Chinese: A cross-linguistic comparison", Proc. of SIGDIAL 2015. Prague, Czech Republic.

2015. R. Levitan, S. Benus, **A. Gravano**, J. Hirschberg, "Entrainment and Turn-Taking in Human-Human Dialogue", AAAI Spring Symposium on Turn-Taking and Coordination in Human-Machine Interaction, Stanford, CA.

2014. **A. Gravano**, S. Benus, R. Levitan, J. Hirschberg, "Three ToBI-based measures of prosodic entrainment and their correlations with speaker engagement", IEEE Spoken Language Technology Workshop, South Lake Tahoe, NV.

2014. S. Benus, **A. Gravano**, R. Levitan, S.I. Levitan, L. Willson, J. Hirschberg, "Entrainment, dominance and alliance in Supreme Court Hearings", *Knowledge-Based Systems*, Vol. 71, pages 3-14.

2014. P. Brusco, L. Ferrer, **A. Gravano**, "Detección de palabras claves usando pocos datos de entrenamiento". 20th Argentine Congress on Computer Sciences (CACIC), Universidad Nacional de La Matanza, Buenos Aires.

2014. **A. Gravano**, C. Jul Vidal. "A study of turn-yielding cues in human-computer dialogue", Proc. of 15th Argentine Symposium on Artificial Intelligence (ASAI-JAIIO 2014), Buenos Aires. **Best Paper Second Prize Award.**

2013. L. Violante, P. Rodríguez Zivic, **A. Gravano**, "Improving speech synthesis quality by reducing pitch peaks in the source recordings", Proc. of NAACL-HLT 2013. Atlanta, GA.

2013. M. Dell' Amerlina Ríos, **A. Gravano**, "Spanish DAL: A Spanish Dictionary of Affect in Language", 4th Workshop on Computational Approaches to Subjectivity, Sentiment & Social Media Analysis (WASSA). Atlanta, GA.

2012. **A. Gravano**, J. Hirschberg, "A corpus-based study of interruptions in spoken dialogue", Proc. of Interspeech 2012. Portland, OR.

2012. R. Levitan, **A. Gravano**, L. Willson, S. Benus, J. Hirschberg, A. Nenkova, "Acoustic-prosodic entrainment and social behavior", Proc. of HLT/NAACL 2012, pages 11-19. Montreal, Canada.

2012. **A. Gravano**, J. Hirschberg, S. Benus, "Affirmative cue words in task-oriented dialogue", *Computational Linguistics*, Vol. 38(1), pages 1-39.

2011. S. Benus, **A. Gravano**, J. Hirschberg, "Pragmatic aspects of temporal accommodation in turn-taking", *Journal of Pragmatics*, Vol. 43(12), pages 3001-3027.

2011. **A. Gravano**, R. Levitan, L. Willson, S. Benus, J. Hirschberg, A. Nenkova, "Acoustic and prosodic correlates of social behavior", Proc. of Interspeech 2011, pages 97-100. Florence, Italy.

2011. L. Dolberg, **A. Gravano**, "Asignación automática de entonación para un sistema de síntesis del habla", 2nd Argentine Workshop on NLP. Córdoba, Argentina.

2011. **A. Gravano**, J. Hirschberg, "Turn-taking cues in task-oriented dialogue", *Computer Speech and Language*, Vol. 25(3), pages 601-634. **ISCA Award for the Best Paper Published in CSL 2011-2015.**

2011. R. Levitan, **A. Gravano**, J. Hirschberg, "Entrainment in Speech Preceding Backchannels", Proc. of ACL/HLT 2011 (short paper), pages 113-117. Portland, OR.

2010. J. Edlund, M. Heldner, S. Al Moubayed, **A. Gravano**, J. Hirschberg, "Very short utterances in conversation", Proc. of Fonetik 2010. Lund, Sweden.

2010. **A. Gravano**, "Modelado de la mimetización entre interlocutores para mejorar la naturalidad de sistemas de diálogo hablado", *Subjetividad y Procesos Cognitivos*, Vol. 14(2), pages 79-88.

2009. **A. Gravano**, J. Hirschberg, "Turn-yielding cues in task-oriented dialogue", Proc. of SigDial 2009, pages 253-261. London, UK.

2009. **A. Gravano**, J. Hirschberg, "Backchannel-inviting cues in task-oriented dialogue", Proc. of Interspeech 2009, pages 1019-1022. London, UK.

2009. **A. Gravano**, M. Jansche, M. Bacchiani, "Restoring punctuation and capitalization in transcribed speech", Proc. of ICASSP 2009, pages 4741-4744. Taipei, Taiwan.

2008. A. Nenkova, **A. Gravano**, J. Hirschberg, "High frequency word entrainment in spoken dialogue", Proc. of ACL/HLT 2008 (short paper), pages 169-172. Columbus, OH.

2008. **A. Gravano**, S. Benus, J. Hirschberg, E. Sneed, G. Ward, "The effect of contour type and epistemic modality on the assessment of speaker certainty", Proc. of Speech Prosody 2008, pages 401-404. Campinas, Brazil.

2007. **A. Gravano**, S. Benus, J. Hirschberg, S. Mitchell, I. Vovsha, "Classification of discourse functions of affirmative words in spoken dialogue", Proc. of Interspeech 2007, pages 1613-1616. Antwerp, Belgium.

2007. S. Benus, **A. Gravano**, J. Hirschberg, "Prosody, emotions, and... *whatever*", Proc. of Interspeech 2007, pages 2629-2632. Antwerp, Belgium.

2007. S. Benus, **A. Gravano**, J. Hirschberg, "The prosody of backchannels in American English", Proc. of ICPhS 2007, pages 1065-1068. Saarbrücken, Germany.

2007. **A. Gravano**, S. Benus, H. Chávez, J. Hirschberg, L. Wilcox, "On the role of context and prosody in the interpretation of *okay*", Proc. of ACL 2007, pages 800-807. Prague, Czech Republic.

2006. **A. Gravano**, J. Hirschberg, "Effect of genre, speaker, and word class on the realization of given and new information", Proc. of Interspeech 2006, pages 557-560. Pittsburgh, PA.

2006. G. Durán, **A. Gravano**, R. McConnell, J. Spinrad, A. Tucker, "Polynomial time recognition of unit circular-arc graphs", Journal of Algorithms, Vol. 58(1), pages 67-78.

2005. R. Sarikaya, **A. Gravano**, Y. Gao, "Rapid language model development using external resources for new spoken dialog domains", Proc. of ICASSP 2005, pages 573-576. Philadelphia, PA.

2003. G. Durán, **A. Gravano**, M. Groshaus, F. Protti, J. Szwarcfiter, "On a conjecture concerning Helly circle graphs", Pesquisa Operacional, Vol. 23, pages 221-229.

2002. **A. Gravano**, G. Durán, "The intersection between some subclasses of circular-arc and circle graphs", Congressus Numerantium, Vol. 159, pages 183-192.

2002. H. Czemerinski, G. Durán, **A. Gravano**, "Bouchet graphs: a generalization of circle graphs", Congressus Numerantium, Vol. 155, pages 95-108.

Book Chapters

- J. Hirschberg, S. Benus, **A. Gravano**, R. Levitan, "Prosody in Discourse and Speaker State", in Gussenhoven, C. and Chen, A. (eds.). *The Oxford Handbook of Language Prosody*, pages 468-476. Oxford University Press. 2021.

- J. Hirschberg, **A. Gravano**, A. Nenkova, E. Sneed, G. Ward, "Intonational overload: uses of the H* !H* L- L% contour in read and spontaneous speech", in Cole, J. and Hualde, J. I. (eds.). *Laboratory Phonology 9*, pages 455-482. Berlin: Mouton de Gruyter. 2007.

Academic Honors

- 2021. "Alfredo Canavese" Award to the Teaching Merit, category 1st year, 1st semester, UTDT.

- 2021. "Langé/De Ángelis" Award to the Online Teaching Excellence, category 1st semester, UTDT.

- 2018 and 2019. "Best Professor Award" in the Master in Management+Analytics, Escuela de Negocios, Universidad Torcuato Di Tella.

- 09/2016. ISCA Award for the Best Paper Published in CSL 2011-2015, for the paper "Turn-taking cues in task-oriented dialogue". Authors: A. Gravano, J. Hirschberg. Computer Speech and Language (2011).

- 09/2014. Best Paper Second Prize, 43° Jornadas Argentinas de Informática (JAIIO), for the paper "A study of turn-yielding cues in human-computer dialogue". Authors: A. Gravano, C.A. Jul Vidal.

- 12/2005 and 12/2006. "Extraordinary Teaching Assistant Award" conferred by the School of Engineering and Applied Science, Columbia University.

- 09/1999. Second prize in the Student Research Contest organized by the 28th Argentine Conference on Computer Science and Operations Research (JAIIO), for the undergraduate student project "OBELIX: An operating system in 80386 protected mode".

Student Supervision

- Ph.D. Thesis Advisor of: Pablo Brusco (03/2021); Ramiro H. Gálvez (03/2021); Juan Manuel Pérez (06/2022, co-advised with Franco Luque), all at FCEyN, UBA.

- Masters Thesis Advisor of: Ramiro H. Gálvez (FCEyN, UBA; 03/2016); Santiago Cisco (MiM, UTDT; 06/2021); Mia Molina Abeniacar (MiM, UTDT; 12/2021); Alejandro Romanisio (MiM, UTDT; 06/2022); Joaquin Gonzalez (MiM, UTDT; 06/2023); Damian Ilkow (MiM, UTDT; 06/2023).

- Degree Thesis Advisor of: Lautaro Dolberg (05/2011); Matías Dell'Amerlina Ríos (09/2012); Luisina Violante (09/2012); Verónica Pechersky (12/2012); Claudia Jul Vidal (11/2013); Pablo Brusco (05/2014); Fernando Bugni (12/2014); Ezequiel Saudino (03/2015); Juan Manuel Pérez (03/2016); Damián Aleman (12/2017); Lara Gauder y Marisol Reartes (12/2017); Franco Negri (10/2018); Florencia Savoretti (12/2018); Axel Lew (12/2020); Matías Guerson (12/2021); María Agustina Giménez Costa, Federico Giorgi y Gastón Loza Montana (12/2024).

- During my doctoral studies at Columbia University, I co-supervised the research projects of the following graduate and undergraduate students at the Spoken Language Processing Group: Enrique Henestroza (2007-2008), Ilia Vovsha and Shira Mitchell (2006), Lauren Wilcox and Héctor Chávez (2005-2006), and Michael Mulley (2004-2005).

Invited Talks and Short Courses

- "Pasado, Presente y Futuro de la Inteligencia Artificial", seminar at the MBA, Business School, Universidad Torcuato Di Tella; May 2024.

- "Inteligencia Artificial Aplicada al Estudio de la Coordinación en Conversaciones Orales", talk at the XV Argentine Congress of Neuropsychology - SONEPSA; November 2023.

- "¿Te parece que suenan parecido? Métricas de mimetización prosódica", talk at the Seminar of the Center for Artificial Intelligence and Neuroscience, Universidad Torcuato Di Tella; September 2022.

- "Neurociencia e Inteligencia Artificial", joint virtual talk with Joaquín Navajas, Universidad Torcuato Di Tella; May 2021. https://www.youtube.com/watch?v=btcldC4rY7s

- "Aprendizaje automático aplicado al estudio de la coordinación en diálogos hablados", talk at the Instituto de Investigaciones Filosóficas (Facultad de Filosofía y Letras, UBA); June 2020.

- "Pandemia, inteligencia artificial y aceleración digital", joint virtual talk with Joaquín Navajas, Universidad Torcuato Di Tella; April 2020. https://www.youtube.com/watch?v=TFkIdd7iwTg

- "Modeling coordination in dialogue", talk at ASAPP Buenos Aires; November 2019.

- "Modelando la coordinación de diálogos", talk at the Statistics Seminar, Universidad Torcuato Di Tella; November 2019.

- "Research at the Speech Processing Group", short talk at Khipu 2019, Latin American Meeting In Artificial Intelligence, Montevideo, Uruguay; November 2019.

- "La revolución de la Inteligencia Artificial: Ni mágica ni inaccesible", keynote talk at the ECI 2019 winter school, FCEyN, UBA; July 2019.

- "Aprendizaje Automático. ¿Qué es y qué oportunidades ofrece?", talk at SimpoCIO 2018 (annual symposium of CIOs of local companies), November 2018.

- "Técnicas de Machine Learning para el Procesamiento del Habla", invited lecturer at the Data Science Masters Program, Universidad ORT Uruguay, October 2017.

- "Modelando la coordinación de diálogos", talk at Unidad de Neurobiología Aplicada (UNA, CEMIC-CONICET), August 2017.

- "Modelando la coordinación de diálogos", talk at the Statistics Seminar, Instituto de Cálculo (FCEyN, UBA), July 2017.

- "Introducción al Procesamiento del Habla", one week course (12.5h) at the 23rd Summer School 'RIO2016', National University of Río Cuarto, Argentina, February 2016.

- "Sistemas de diálogo hablado: ¿Demasiada ficción para tan poca realidad?", talks at the Semana de la Computación, Computer Science Department, University of Buenos Aires, Argentina, June 2014 and 2015.

- "Coordination in Human-Human Dialogue", Symposium "Vocal Interactions – A dialogue across species", talk at the Annual Meeting of the Argentine Society of Neuroscience, Córdoba, Argentina; October 2012.

- "¿Por qué no habla mi computadora (todavía)?", talk at the Semana de la Computación, Computer Science Department (FCEyN, UBA), September 2012.

- "Mimicking the interlocutor's speech: Models of speaker entrainment for improving the naturalness of spoken dialogue systems", talk at the First Workshop on NLP Tools Applied to Discourse Analysis in Psychology, UCES, Buenos Aires, Argentina, May 2010.

- "Breve introducción al procesamiento del habla", talk at the VII Jornadas de Ciencias de la Computación, Rosario, Argentina, October 2009.

- "A model of turn-taking in task-oriented dialogue", talk at the Language Technologies Institute (LTI), Carnegie Mellon University, Pittsburgh, PA, February 2009.

- "A model of turn-taking in task-oriented dialogue", talk at AT&T Labs Research, Florham Park, NJ, February 2009.

- "The Columbia Games Corpus: Design, implementation and annotation", talk at the Department of Linguistics, Northwestern University, Evanston, IL, September 2006.

- "Downstepped contours in the given/new distinction", talk at the Workshop on the Role of Prosody in Structuring Discourse, Berlin, Germany, October 2005.

OTHER PROFESSIONAL ACTIVITIES

- Since 07/2023. Member of the Research Ethics Committee, Universidad Torcuato Di Tella.

- Since 01/2022. Director of the Laboratory of Artificial Intelligence, Business School, Universidad Torcuato Di Tella.

- 03/2020 - 02/2025. Chair of the B.S. in Digital Technologies, Business School, Universidad Torcuato Di Tella.

- 06 - 12/2024. Member of the Advisory Committee on Reports and Promotions, Area K4 Informatics and Telecommunications, CONICET.

- 11 - 12/2018. Director (with Andrés Vázquez) of the project "Data Science applied to the public transportation system in the city of Córdoba", financed by CAF-Banco de Desarrollo de América Latina, and organized by Fundación Dr. Manuel Sadosky.

- 10/2016 - 10/2018. Academic Advisor, CS Department (FCEyN, UBA).

- 10/2014 - 10/2018. Advisory Board Member, Data Mining and Knowledge Discovery Masters Program, University of Buenos Aires.

- 08/2017. Area Chair (for area "Spoken Dialog Systems and Analysis of Conversation") at Interspeech 2017, Stockholm, Sweden.

- 07/2015. Student Chair of the International Joint Conference on Artificial Intelligence (IJCAI), held in Buenos Aires.

- 12/2014. Publicity Co-Chair of the IEEE Spoken Language Technology Workshop (SLT), held in South Lake Tahoe, NV.

- 01/2010 - 12/2013. Departmental Council Member, CS Department (FCEyN, UBA).

- 05/2010 - 02/2012. Adjunct Academic Advisor, CS Department (FCEyN, UBA).

- 07/2010. Chair of ECI 2010 (*Escuela de Ciencias Informáticas*), Winter school in Computer Science held yearly at the CS Department (FCEyN, UBA). ECI 2010 included 9 courses, 18 invited talks, a poster session by PhD students, and other events. It was attended by 400 students from Argentina and neighboring countries.

- 09/2005 - 10/2007. Board member of the Student Advisory Committee of the International Speech Communication Association (ISCA).

- 10/2002. Member of the organizing committee of the VIII Argentine Congress of Computer Science (CACIC 2002).

- Thesis committees:
Ph.D.: Fernando Balbachan (07/2014; Facultad de Filosofía y Letras, UBA); Martín Elías Costa (08/2014; FCEyN, UBA); Gabriel A. Alzamendi (06/2016; Facultad de Ingeniería y Ciencias Hídricas, Universidad Nacional del Litoral); Gustavo A. Lado (12/2022; FCEyN, UBA); Jay Kejriwal (05/2024; Slovak University of Technology in Bratislava).
Masters: Anthony Lenton (05/2013; FCEyN, UBA); Roberto Abalde (06/2014; FCEyN, UBA); Leonardo Córdoba (08/2022; FCEyN, UBA); Martín González Giménez (11/2023; MiM, UTDT); Richard Rivas (07/2024; MiM, UTDT).
Licenciatura (all at FCEyN, UBA): Pablo Rodríguez Zivic (06/2010); Michael Mizrahi (10/2010); Maximiliano Geier (07/2011); Florencia Campetella (10/2011); Sergio G. Romano (10/2012); Manuel Dubinsky (12/2012); Facundo Carrillo (02/2013); María Julia Carbajal (03/2013); Fernando Jorge Rodríguez (07/2013); Sergio Medina (02/2014); Alex Aronson (10/2015); Celeste Gunski & Melisa Raiczyk (03/2016); Ramiro Camino (04/2016); Cristian J. Martinez (11/2016); Federico Landini (04/2017); Martín Fixman (11/2018); Leandro Matayoshi (11/2018); Nicolás Roulet (11/2018); Antonella Dellanzo (09/2021); Tomás Delgado (05/2023).

- Journal Article Reviews:
International Journal of Human-Computer Studies, 2016, 2024; Language and Cognition, 2022, 2023; Speech Communication, 2010, 2011, 2019, 2020, 2021, 2022; Revista Ciencia Hoy, 2018; Dialogue and Discourse, 2017; Revista Signo y Seña, 2017; Journal of Experimental Psychology: Learning, Memory, and Cognition, 2016; Journal of Phonetics, 2014, 2020; Computer Speech and Language, 2013, 2018; Journal of the Acoustical Society of America, 2012; Journal of Speech Sciences, 2012; IEEE TASLP, 2008; Computational Linguistics, 2008.

- Conference Paper Refereeing:
  Iberamia 2024; Interspeech 2024; JAIIO-ASAID 2024; LREC-Coling 2024; JAIIO/AGRANDA 2023; Interspeech 2022; Iberamia 2022; AGRANDA-ASAI 2021; CLEI 2020; IJCAI 2020; Interspeech 2019; Interspeech 2018; ICASSP 2018; Interspeech 2017; Interspeech 2016; IJCAI 2015 AdaptiveNLP Workshop; Interspeech 2015; ACL/IJCNLP 2015; SIGDIAL 2014; Interspeech 2014; SIGDIAL 2013; Interspeech 2013; Interspeech 2012; NAACL 2012; ACL 2012; SIGDIAL 2012; ISCA LISTA 2012; CLEI 2011; Interspeech 2011; EMNLP 2011; SIGDIAL 2011; Interspeech 2010; ACL 2010; NAACL 2010; Interspeech 2009.