

CURRICULUM VITÆ

Pedro Sánchez Terraf

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1 Personal Information

Name (Last, First)	Sánchez Terraf, Pedro Octavio.
Birthplace	San Miguel de Tucumán, Argentina.
Nationality	Argentinean.
University	Universidad Nacional de Córdoba.
Department	• Facultad de Matemática, Astronomía y Física (FaMAF), • Center for Research and Studies of Mathematics (CIEM).
Office Address	Facultad de Matemática, Astronomía y Física (UNC). Oficina 365. Medina Allende esq. Haya de la Torre. Ciudad Universitaria. (5000) Córdoba. Argentina.
Phone number	+54 5353701 Ext. 41365.
Fax number	+54 351 4334054.
Email	sterraf at famaf unc edu ar.

2 Degrees

- Licenciado en Matemática (approx. MSc. in Mathematics); Fa.M.A.F., Universidad Nacional de Córdoba. Thesis: “Tópicos en Teoría de Preservación” (“Topics in Preservation Theory”), under the supervision of Diego J. Vaggione (2001).
- Doctor en Matemática (PhD. in Mathematics); Fa.M.A.F., Universidad Nacional de Córdoba. Doctoral Dissertation: “Congruencias Factor Definibles” (“Definable Factor Congruences”). Supervisor: Diego J. Vaggione (2007).

3 Positions

- Adjunct Researcher (*Investigador Adjunto*) of the National Council of Scientific and Technical Research (*Consejo Nacional de Investigaciones Científicas y Técnicas, Conicet*) (2009–).
- Adjunct Professor (*Profesor Adjunto*) (2008; permanent, on leave).
- Associate Professor (2018).

4 Research projects

- Member of Secyt-UNC 05/B284 project “*Sheaf representation of algebras*”, directed by Diego Vaggione (2002–2015).
- Responsible-group member of PICT2012-1823 project “*Foundations, algorithms and tools for the development of dependable distributed systems*” directed by Pedro R. D’Argenio (2013–2016).
- Head of Secyt-UNC 30720150100529CB project “*Interactions between mathematics and theoretical computer science*” (2016–2017).
- Co-director of Secyt-UNC project 33620180100465CB with the same name (2018-2022).
- Head of Secyt-UNC 33620230100751CB project “*Definability hierarchies in mathematics and computer science*” (2023–2027).

5 Student supervision

5.1 Master theses

- Mauricio Tellechea: “Definibilidad de Elementos Centrales” (“Definability of Central Elements”). With Diego J. Vaggione (2003).
- Pablo Gabriel Celayes: “Procesos de Markov Etiquetados sobre Espacios Borel Estándar” (“Labelled Markov Processes over Standard Borel Spaces”). With Pedro R. D’Argenio (2006).
- Carlos E. Budde: “No determinismo completamente medible en procesos probabilísticos continuos” (“Completely measurable nondeterminism in continuous probabilistic processes”). With Pedro R. D’Argenio (2012).
- Martín Moroni: “Monadicidad de procesos probabilistas y no deterministas” (“Monadicity of probabilistic and non deterministic processes”) (2015).
- Joel Kuperman: “Estudios sobre posets asociativos” (“Studies on associative posets”) (2022).

5.2 PhD theses

- Martín Moroni: “Bisimulación en Procesos de Decisión de Markov sobre Espacios Continuos” (“Bisimulation in Markov Decision Processes over Continuous Spaces”) (2022).
- Joel Kuperman (2022–2027).

6 Scientific meetings

- Full scholarship for attending the Association for Symbolic Logic annual meeting (2005).
- Member of the organizing committee of the Argentinean Mathematical Union annual meeting in Córdoba (Argentina) jointly with the *Congreso Latinoamericano de Matemáticos* (2012).

- Invited to the *Dagstuhl Seminar 12411 on Coalgebraic Logics*, Schloss Dagstuhl, Germany. Presenting the results later published as *Bisimilarity is not Borel*, *Math. Struct. Comp. Sci.* (2012).
- Member of the organizing committee of the XVI SLALM (Latin American Symposium on Mathematical Logic), Buenos Aires, Argentina (2014).
- Invited session talk at the Coloquio Latinoamericano de Álgebra (Latin American Algebra Colloquium), Lima, Perú (2014).
- Invited to give a basic course at the XIV Monteiro Congress, Bahía Blanca, Argentina (2017).
- Invited to give a course at the first Spanish-Argentinean joint national meeting, RSME-UMA, Buenos Aires, Argentina (2017).
- Short contributed communication to ICM (2018).
- Invited talk at the “Set Theory and its Interactions” section of the Latin American Colloquium of Mathematicians, online (2021).

7 Institutional tasks

- Member of the Faculty Directive Council (2005–2008, 2016–2018).
- Director of Publications of the Argentinean Mathematical Union (2018–2019).

8 Editorial tasks

- Reviewer for [MathReviews](#) and [Zentralblatt MATH](#) (since 2012).
- Referee for the following journals (since 2009):
Acta Informatica, Actas del Congreso Monteiro, Algebra Universalis, CUBO—A Mathematical Journal, Experimental Mathematics, Information and Computation, Revista de Educación Matemática (Argentina), Revista de la Unión Matemática Argentina, Revista Integración (Colombia).
- Reviewer for the following conferences in Computer Science (since 2009):
QEST, MPFS, ICALP, LICS.

9 Mathematical competitions

- Honorable mention in “Olimpiada Iberoamericana Universitaria de Matemática” (formerly *Colombian University Mathematical Olympiad*) (1999).
- Third place (team with R. Heluani) in “Ernesto Paenza” (now “CIMA”) University Mathematical Contest (1999); sixth place (team with J. S. Rodríguez) (2000).
- Jury for the Argentinean Mathematical Olympiad (*Olimpiada Matemática Argentina, OMA*) (2001–2010).

- Jury for the OMA Final Round (2005, 2008, 2009, 2015).
- Jury (Coordinator) in the 53rd “International Mathematical Olympiad”, Mar del Plata, Argentina (2012).
- Interview in “Rumbos” weekly magazine, concerning mathematical teaching and “Ernesto Paenza” Mathematical Contest (October 14th, 2007).

[Transcript <https://cs.famaf.unc.edu.ar/~pedro/entrevista.html> (Spanish)]