

CURRICULUM VITÆ

Demetrio Stojanoff

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1 Personal data

Name: **Demetrio Stojanoff** .

Date of birth: December 29th 1959.

Country of residence: Argentina.

Address: Vera 1160 1er Piso (1414), Buenos Aires, Argentina.

Mailing address: Instituto Argentino de Matemática
(1083) Saavedra 15 – Buenos Aires, Argentina.

e-mail: demetrio@mate.unlp.edu.ar

2 Degrees:

- Licenciado en Ciencias Matemáticas.
Facultad de Ciencias Exactas y Naturales.
Universidad de Buenos Aires.
December 1984.
Thesis: Sobre el teorema de Mercuriev
Director: Dr. Enzo R. Gentile.

- Doctor en Ciencias Matemáticas
Facultad de Ciencias Exactas y Naturales.
Universidad de Buenos Aires.
May 1989.
Thesis: Propiedades topológicas y geométricas de las órbitas de similitud.
 - Director: Dr. Gustavo Corach.

3 Positions:

3.1 CONICET

- Investigador principal del CONICET, since 2008.
- Investigador independiente del CONICET, 2001 - 2007.
- Investigador adjunto (sin director) del CONICET, 1997 - 2001.
- Investigador asistente del CONICET, 1992 - 1997.

3.2 Universities

- Profesor Titular DE, Facultad de Ciencias Exactas, Universidad Nacional de La Plata, since 2005.
- Profesor Titular DE, FCE-UNLP (2004).
- Profesor Asociado DE, FCE-UNLP (1999 - 2004).
- Profesor Asociado DE, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires (1993 - 1997).
- Investigador-Docente B , ICI-UNGS, (1997-1999).
- Profesor Adjunto DE, FCEN-UBA (1989-2001).
- Profesor Adjunto DSE, FCE-UNLP (1993-1996).
- Jefe de trabajos Prácticos DS, FCEN-UBA (1987-1988).
- Ayudante de primera DS, FCEN-UBA (1985-1987).
- Ayudante de segunda, FCEN-UBA (1983-1985).

3.3 Categorization in the Incentive Program

- Category I in the Programa de Incentivos a los Docentes-Investigadores, Ministerio de Cultura y Educación (desde 2005).
- Category II in the Programa de Incentivos a los Docentes-Investigadores, Ministerio de Cultura y Educación (1998-2004).
- Category B in the Programa de Incentivos a los Docentes-Investigadores, Ministerio de Cultura y Educación (1994-1997).

4 Grants:

- Postgraduate grants from the Consejo Nacional de Investigaciones Científicas and Técnicas, 1985-1992
- Beca posdoctoral del Consiglio Nazionale della Ricerca of Italy (from March to November, 1991).

5 Publications:

5.1 Papers

53. *Aliasing and oblique dual pair designs for consistent sampling.*
Linear Algebra Appl. **487** (2015) 112-145
Los Alamos: <http://arxiv.org/abs/1410.2809>
Authors: M. J. Benac, P. Massey y D. Stojanoff.
52. *Multiplicative Lidskii's inequalities and optimal perturbations of frames*
Linear Algebra Appl. **469** (2015) 539-568.
Los Alamos: <http://arxiv.org/abs/1405.4277>
Authors: P. Massey, M. Ruiz y D. Stojanoff.
51. *Optimal frame completions with prescribed norms for majorization*
Journal of Fourier Analysis and Applications **20** (2014) 1111-1140.
Los Alamos: <http://arxiv.org/abs/1302.3859>
Authors: P. Massey, M. Ruiz y D. Stojanoff.
50. *Optimal frame completions* (see also 5.7.4).
Advances in Computational Mathematics **40** (2014) 1011-1042.
Authors: P. Massey, M. Ruiz y D. Stojanoff.
49. *Optimal dual frames and frame completions for majorization.*
Applied and Computational Harmonic Analysis **34** (2013), 201-223.

Los Alamos: <http://arxiv.org/abs/1108.4412>

Authors: P. Massey, M. Ruiz y D. Stojanoff.

48. *Robust dual reconstruction systems and fusion frames.*
Acta Applicandae Mathematicae **119**, Issue 1 (2012) 167-183.
Los Alamos: <http://arxiv.org/abs/1112.1654>
Authors: P. Massey, M. Ruiz y D. Stojanoff.
47. *Duality in reconstruction systems.*
Linear Algebra and its Applications, **436**, Issue 3, 1 (2012), 447-464.
Los Alamos: <http://arxiv.org/abs/1007.0430>
Authors: P. Massey, M. Ruiz y D. Stojanoff.
46. *The iterated Aluthge transforms of a matrix converge.*
Advances in Math., **226** N 2 (2011), 1591-1620.
Los Alamos: <http://arxiv.org/abs/0811.3159>
Authors: J. Antezana, E. Pujals y D. Stojanoff.
45. *A note on the star order in Hilbert spaces.*
Linear and Multilinear Algebra, **58** N 7-8 (2010) 1037-1051 .
Authors: J. Antezana, C. Cano, I. Mosconi y D. Stojanoff.
44. *The structure of minimizers of the frame potential on fusion frames.*
Journal of Fourier Analysis and Applications **16** N 4 (2010) 514-543.
Los Alamos: <http://arxiv.org/abs/0711.3727>
Authors: P. Massey, M. Ruiz y D. Stojanoff.
43. *Convergence of iterated Aluthge transform sequence for diagonalizable matrices II: λ -Aluthge transform.*
Integral Equations and Operator Theory, Volumen **62** N 4 (2008) 465-488.
Authors: J. Antezana, E. Pujals y D. Stojanoff.
42. *Iterated Aluthge transforms: a brief survey.*
Revista de la Unin Matematica Argentina, Volumen **49** N 1, (2008) 29-41.
Authors: J. Antezana, E. Pujals y D. Stojanoff.
41. *Some properties of frames of subspaces obtained by operator theory methods.*
Journal of Mathematical Analysis and Appl. **343**, (2008), 366-378.
Los Alamos: www.arxiv.org/abs/0706.1484
Authors: M. A. Ruiz y D. Stojanoff.
40. *Convergence of iterated Aluthge transform sequence for diagonalizable matrices.*

Advances in Math., **216** (2007) 255-278. (arXiv:math/0604283v1)

Authors: J. Antezana, E. Pujals y D. Stojanoff.

39. *The Schur-Horn theorem for operators and frames with prescribed norms and frame operator.*

Illinois J. of Math., Volume **51** (2007) 537-560.

Los Alamos: www.arxiv.org/abs/math.FA/0508646

Authors: J. Antezana, P. Massey, M. Ruiz y D. Stojanoff.

38. *Jensen's inequality for spectral order and submajorization.*

Journal of Math. Analysis an Appl., **331** (2007) 297-307.

Authors: J. Antezana, P. Massey y D. Stojanoff.

37. *Bilateral Shorted Operators and Parallel Sums.*

Linear Algebra and its Applications **414** (2006), 570-588.

Authors: J. Antezana, G. Corach y D. Stojanoff.

36. *Spectral shorted operators.*

Integral Equations and Operator Theory **55** (2006), 169-188.

Authors: J. Antezana, G. Corach y D. Stojanoff.

35. *Oblique projections and frames.*

Poceedings of the AMS **134** (2006), 1031-1037.

Authors: J. Antezana, G. Corach, M. Ruiz y D. Stojanoff.

34. *Projections in operator ranges.*

Poceedings of the AMS **134** (2006), 765-778.

Authors: G. Corach, A. Maestriperi y D. Stojanoff.

33. *λ -Aluthge transforms and Schatten ideals.*

Linear Algebra and its Applications **405** (2005), 177-199.

Authors: J. Antezana, P. Massey y D. Stojanoff.

32. *Nullspaces and frames.*

Journal of Math. Analysis an Appl., **309** (2005) 709-723.

Authors: J. Antezana, G. Corach, M. Ruiz y D. Stojanoff.

31. *Some operator inequalities for unitary invariant norms*

Revista de la Unión Matemática Argentina **46** (2005) 53-66.

Authors: Cristina Cano, Irene Mosconi y Demetrio Stojanoff.

30. *Weighted projectors and Riesz Frames.*

Linear Algebra and its Applications Volume **402** (2005), 367-389.

Authors: J. Antezana, G. Corach, M. Ruiz y D. Stojanoff.

29. *Orbits of positive operators from a differentiable viewpoint.*
Positivity, **8** (2004) 31-48.
Authors: G. Corach, A. Maestriperi y D. Stojanoff.
28. *Generalized Schur Complements and P-complementable Operators.*
Linear Algebra and its Applications, **393**, (2004) 299-318. Special
Issue on Positivity in Linear Algebra.
Authors: P. Massey y D. Stojanoff.
27. *Geometry of epimorphisms and frames.*
Poceedings of the AMS **132** (2004), 2039-2049.
Authors: G. Corach, M. Pacheco y D. Stojanoff.
26. *Spectral shorted matrices.*
Linear Algebra and its Applications **381** (2004), 197-217.
Authors: J. Antezana, G. Corach y D. Stojanoff.
25. *Nilpotents in finite algebras.*
Integral Equations and Operator Theory, **45** (2003) 251-267.
Authors: E. Andruchow y D. Stojanoff.
24. *Abstract splines and oblique projections.*
Journal of Approximation Theory **117** (2002) 189-206.
Authors: G. Corach, A. Maestriperi y D. Stojanoff.
23. *Generalized Schur complements and oblique projections.*
Linear Algebra and its Applications **341** (2002), 259-272.
Authors: G. Corach, A. Maestriperi y D. Stojanoff.
22. *Projective Space of a C^* -module.*
Infinite Dimensional Analysis, Quantum Probability and Related Top-
ics **4** (2001) 289-307.
Authors: E. Andruchow, G. Corach y D. Stojanoff.
21. *Schur complements and oblique projections.*
Acta Sci. Math. (Szeged) **67** (2001) 337-356.
Authors: G. Corach, A. Maestriperi y D. Stojanoff.
20. *Orbit of conditional expectations.*
Illinois J. of Math. **45** (2001), 243-263.
Authors: M. Argerami y D. Stojanoff.
19. *Polar decompositions under perturbations of the scalar products.*
Electronical Journal of Linear Algebra **7** (2000), 21-29.
Authors: G. Corach, A. Maestriperi y D. Stojanoff.

18. *Projective Spaces of a C^* -algebra.*
Integral Equations and Operator Theory **37** (2) (2000) 143-168.
Authors: E. Andruchow, G. Corach y D. Stojanoff.
17. *Geometrical significance of Lowner-Heinz inequality.*
Proceedings of the AMS, **128** (2000), no. 4, 1031–1037.
Authors: E. Andruchow, G. Corach y D. Stojanoff.
16. *Geometry of oblique projections.*
Studia Math. **137** (1) (1999) 61-79.
Authors: E. Andruchow, G. Corach y D. Stojanoff.
15. *Geometry of the sphere of a Hilbert module.*
Mathematical Proc. of the Cambridge Math. Soc. **127** No 2 (1999)
295-315.
Authors: E. Andruchow, G. Corach y D. Stojanoff.
14. *The Weyl group and the Normalizer of conditional expectations.*
Integral Equations and Operator Theory, **34** (1999) 165-186.
Authors: M. Argerami y D. Stojanoff.
13. *Index of Hadamard multiplication by positive matrices.*
Linear Algebra and its Applications **290** (1999), 95-108.
Author: D. Stojanoff.
12. *Löwner Theorem and the Differential Geometry of Positive Operators.*
Acta Científica Venezolana **49** N° 2 (1998).
Authors: E. Andruchow, G. Corach y D. Stojanoff.
11. *Geodesics and Interpolation.*
Revista de la UMA **40** Nos. 3 y 4, (1997) 83-91.
Authors: E. Andruchow, G. Corach, M. Milman y D. Stojanoff.
10. *Infinite dimensional Homogeneous Reductive Spaces and finite index Conditional Expectations.*
Illinois J. of Math. **41** (1997), 54-76.
Authors: E. Andruchow, A. Larotonda, L. Recht y D. Stojanoff.
9. *Geometric operator inequalities.*
Linear Alg. and its Appl. **258** (1997), 295-310.
Authors: E. Andruchow, G. Corach y D. Stojanoff.
8. *On Heinz inequality.*
Mathematica Japonica **46**, N° 1 (1997), 143-145.
Authors: E. Andruchow, G. Corach y D. Stojanoff.

7. *A Geometric characterization of nuclearity and injectivity.*
J. Functional Analysis **133** (1995) 274-294.
Authors: E. Andruchow, G. Corach y D. Stojanoff.
6. *Geometry of Conditional Expectations and Finite Index.*
International Journal of Math. **5**, N° 2 (1994) 169-178.
Authors: E. Andruchow y D. Stojanoff.
5. *The Space of Spectral Measures is a Homogeneous Reductive Space.*
Integral Equations and Operator Theory **16** (1993) 1-14.
Authors: E. Andruchow, L. Recht y D. Stojanoff.
4. *Geometry of Unitary Orbits.*
Journal of Operator Theory **26** (1991), 25-41.
Authors: E. Andruchow y D. Stojanoff.
3. *Joint Similarity Orbits with Local Cross Sections.*
Integral Equations and Operator Theory **13** (1990) 1-48.
Authors: E. Andruchow, L.A. Fialkow, D.A. Herrero, M. Pecuch de Herrero y D. Stojanoff.
2. *Differentiable Structure of Similarity Orbits.*
Journal of Operator Theory **21** (1989), 349-366.
Authors: E. Andruchow y D. Stojanoff.
1. *Nilpotent Operators and Systems of Projectors.*
Journal of Operator Theory **20** (1988) 359-374.
Authors: E. Andruchow y D. Stojanoff.

5.2 Proceedings:

4. *A classification of projectors.*
Banach Center Publications **67** (2005), 145-160.
Topological algebras, their applications, and related topics; Polish Academy of Sciences, Warszawa, 2005. K. Jarosz and A. Soltysiak, Eds.
Authors: G. Corach, A. Maestriperi y D. Stojanoff.
3. *Index of Hadamard multiplication by positive matrices II.*
Linear Algebra and its Applications **332-334** (2001) 503-517.
Proceedings of the Eighth Conference of the International Linear Algebra Society (Barcelona, 1999).
Authors: G. Corach y D. Stojanoff.

2. *Group conditional expectations of finite index.*
Boletín de la Acad. Nac. de Ciencias de Córdoba Tomo **63** (1999)
91-100. Proceedings of the 1st Coloquio Latinoamericano de Algebras
de Operadores y Grupos Cuánticos, Córdoba, march 1997,
Authors: E. Andruchow y D. Stojanoff.
1. *The homogeneous reductive space of representations of a nuclear C^* -
algebra,*
Contemporary Mathematics **189** (1995), 37-53.
Harmonic analysis and operator theory (Caracas, 1994),
Authors: E. Andruchow, G. Corach y D. Stojanoff.

5.3 Books

1. *Analysis Matricial.*
Cursos y Seminarios de Matemática - Serie B.
Depto. de Matemática - FCEyN - UBA (297 pags.) 2008.
ISSN 1851-149X (Versin Electrónica)
ISSN 1851-1481 (Versin Impresa)
Authors: J. Antezana y D. Stojanoff.

Available from: <http://www.mate.unlp.edu.ar/~demetrio/Apuntes.html?q=node/66>

5.4 Chapters of Books:

2. *Analysis Matricial,*
Trabajos de Matemática (Serie B), Facultad de Matemática Astronomía
y Física, Universidad Nacional de Córdoba, 2004.
Authors: J. Antezana y D. Stojanoff.
1. *Generalized orthogonal projections and shorted operators,*
Margarita Mathematica en memoria de José Javier (Chicho) Guadalupe
Hernández; L. Español y J. L. Varona Eds.
Universidad de La Rioja, España (2001), 607-625.
Authors: G. Corach, A. Maestripieri y D. Stojanoff.

5.5 Unpublished Books:

The following books are available from

<http://www.mate.unlp.edu.ar/~demetrio/Apuntes.html?q=node/66>

3. *Analysis Funcional vs. Matricial.*
Report, 446 pages, 2012.
Authors: J. Antezana y D. Stojanoff

2. *Un curso de Analysis funcional.*

Report, 341 pages, 2012.

Author: D. Stojanoff.

1. *Un curso de topología.*

Report, 196 pages, 2008-9.

Author: D. Stojanoff.

5.6 In preparation or under review:

1. Convex potentials and optimal shift generated oblique duals in shift invariant spaces (under review).

Los Alamos: <http://arxiv.org/abs/1508.01739>

Authors: M. J. Benac, P. Massey y D. Stojanoff.

2. Frames of translates with prescribed fine structure in shift invariant spaces (in preparation).

Authors: M. J. Benac, P. Massey y D. Stojanoff.

5.7 Unpublished Papers:

4. *Optimal completions of a frame*

Preprint in Los Alamos: <http://arxiv.org/abs/1206.3588> (2012).

Extended version of the paper 4.1.50 (AICM 2014).

Authors: P. Massey, M Ruiz y D. Stojanoff.

3. *Jenen's inequality and majorization.*

Preprint in Los Alamos: www.arxiv.org/abs/math.FA/0411442 (2004).

Extended version of the paper 4.1.38: JMAA 331 (2007) 297-307.

Authors: J. Antezana, P. Massey y D. Stojanoff.

2. *A Banach-Lie structure for the automorphism group of a von Neumann algebra.* Preprint **258** of the IAM, 1995.

Authors: E. Andruchow, G. Corach y D. Stojanoff.

1. *Propiedades topológicas y geométricas de las órbitas de similitud.*

PDh. Thesis, Depto. de Matemática FCEyN-UBA, (1989). Available from: <http://www.iam-conicet.gov.ar/publicaciones/tesis-de-doctorado/>

6 Diffusion

6.1 Congresos and Seminars:

- 36° Reunión anual de la Unión Matemática Argentina (UMA), Santa Fé, Octubre de 1986.
- 38° Reunión anual de la UMA, San Juan, Octubre de 1988.
- 39° Reunión anual de la UMA, Rosario, Santa Fé, Octubre de 1989.
- 40° Reunión anual de la UMA, San Luis, Octubre de 1990.
- 42° Reunión anual de la UMA, Tandil, Buenos Aires, Octubre de 1992.
- 46° Reunión anual de la UMA, Salta, Octubre de 1996.
- 49° Reunión anual de la UMA, La Plata, Octubre de 1999.
- 50° Reunión anual de la UMA, Rosario, Septiembre de 2000.
- 55° Reunión anual de la UMA, Salta, Octubre de 2005.
- Reuniones anuales de la UMA 2001-2011.
- II Coloquio Latinoamericano de Algebra, Mendoza, Agosto de 1982.*
- IV Coloquio Latinoamericano de Algebra, Mendoza, Agosto de 1984.*
- V Coloquio Latinoamericano de Algebra, Santiago, Chile, Agosto de 1985.
- VI Coloquio Latinoamericano de Algebra, Córdoba, Agosto de 1986.
- VII Coloquio Latinoamericano de Algebra, Santiago, Chile, Agosto de 1987.
- 36° AMS Summer Research Institute on Operator Theory, Operator Algebras and Applications, Durham, NH, USA, julio de 1988.
- College on Differential Geometry, International Center for Theoretical Physics, Trieste, Italia, noviembre de 1989.
- Great Plains Operator Theory Symposium, Boulder, Colorado, USA, junio de 1993.
- Estadía de un mes en la Universidad Simón Bolívar de Caracas, Venezuela, Febrero de 1994.
- Seminario Nacional de Matemática, Córdoba, agosto de 1996.

- 1^{er} Coloquio Latinoamericano de grupos cuánticos y álgebras de operadores, Vaquerías, Córdoba, marzo de 1997.
- Canadian Operator Algebras Symposium and Great Plains Operator Theory Symposium, Kingston, Canadá, junio de 1997.
- International Linear Algebra Symposium, Barcelona España, julio de 1999.
- First Latin American Congress of Mathematicians, I CLAM, IMPA, Rio de Janeiro, Agosto de 2000.
- Coloquio Latinoamericano de Algebra, Córdoba, agosto de 2001.
- Segundo Encuentro Argentino-Italiano de Matemática Pura y Aplicada, Diciembre 2002, Buenos Aires.
- II Encuentro Nacional de Algebra (ELENA II), Vaquerías, Córdoba, agosto de 2004.
- 55 Reunión Anual de la Unión Matemática Argentina, Salta, Septiembre de 2005.
- Harmonic Analysis and Applications, 8avo Encuentro Nacional de Analistas A.P.Caldern, Merlo, San Lus, Agosto de 2006 *.
- Estadía de tres semanas en el IMPA, Río de Janeiro, Brasil, Agosto de 2007.
- Primera Jornada de Analysis Real, Armnico y Funcional de Buenos Aires, Diciembre de 2008 *.
- Segunda Jornada de Analysis Real, Armnico y Funcional de Buenos Aires, Noviembre de 2009 *.
- Primera Escuela sobre Analysis Funcional y Geometra (en honor al Prof. Gustavo Corach), Buenos Aires, Noviembre 2011 *.

Remark: Unless in the items marked *, I have presented talks or conferences.

6.2 Talks delivered:

- SUNY at New Paltz, NY, USA
Mayo de 1988.

- Roma II, Tor Vergata, Roma Italia
Mayo de 1991.
- Simón Bolívar, Caracas Venezuela
Febrero de 1994.
- Nacional de Caracas, Caracas Venezuela
Febrero de 1994.
- Nacional de La Plata.
1993 y 1994.
- Nacional del Comahue.
1998.
- IMPA, Río de Janeiro.
Agosto de 2000.
- FAMAF, Córdoba.
Agosto de 2001.
- IAM, Buenos Aires.
Diciembre de 2004.
- Reunión Anual de la UMA, Salta,
Septiembre de 2005.
- IMPA, Río de Janeiro.
Agosto de 2007.

7 Human resources training:

7.1 Direction of PDh thesis:

Thesis defended:

- PDh Thesis of the FCE-UNLP, Mathematics.
Title: *Marcos en espacios de Hilbert. Completaciones a marcos ajustados, inimización de funcionales convexos y marcos de subespacios.*
Tesisista: Mariano Andrés Ruiz.
May 2008.

- PDh Thesis of the FCE-UNLP, Matemáticas.
Title: *Teorema de Schur-Horn, mayorización, modelado de operadores y sus aplicaciones.*
Tesisista: Pedro Gustavo Massey.
March 2006.
- PDh Thesis of the FCE-UNLP, Matemáticas.
Title: *Proyecciones oblicuas y complementos de Schur. Aplicaciones a problemas de cuadrados mínimos, teoría de marcos y teoría de muestreo.*
Tesisista: Jorge Abel Antezana.
March 2006.
- PDh Thesis of the FCE-UNLP, Matemáticas.
Title: *El grupo de Weyl y la estructura diferenciable de la Órbita de similitud de una esperanza condicional.*
Tesisista: Martín Argerami.
October 1998.

Co-direction:

- PDh Thesis of the FCE-UNLP, Matemáticas.
Title: *Geometría en espacios homogéneos de grupos unitarios.*
Tesisista: Eduardo Chiumiento
Director: Dr. Esteban Andruchow. December 2009.
- PDh Thesis of the FCE-UNLP, Matemáticas.
Title: *Soluciones reducidas de ecuaciones de tipo Douglas y proyecciones oblicuas.*
Tesisista: Celeste González
Director: Dr. Gustavo Corach. February 2009.
- PDh Thesis of the FCE-UNLP, Matemáticas.
Title: *Clases de operadores en espacios semi-Hilbertianos.*
Tesisista: Mara Laura Arias
Director: Dr. Gustavo Corach. February 2009.
- PDh Thesis of the FCE-UNLP, Matemáticas.
Title: *Problemas de aproximación en espacios con métrica indefinida.*
Tesisista: Francisco Martínez Pera
Director: Dra. Alejandra Maestripieri. July 2008.

7.2 Master and Grade Thesis:

- Director of the Master thesis of Cristina Cano, FCE-Universidad Nacional del Comahue, november 2003.
- Director of the Master thesis of Susana Nicolet, FCE-Universidad Nacional del Comahue, march 2004.
- Codirector of the Master thesis of Diana Pastroián, FCE-Universidad Nacional del Comahue, august 2009.
- Codirector of the Grade thesis of Ivan Ezequiel Angiono, Depto. de Mat. FCE-UNLP, march 2007.
- Codirector of the Grade thesis of Agustín García a Iglesias, Depto. de Mat. FCE-UNLP, march 2006.
- Director of the Grade thesis of Francisco Martínez Pería, Depto. de Mat. FCE-UNLP, march 2003.
- Director of the Grade thesis of Jorge Abel Antezana, Depto. de Mat. FCE-UNLP, march 2002.
- Director of the Grade thesis of Gabriel Duarte, Depto. de Mat. FCE-UNLP, November 1995.

7.3 Direction of Researchers:

- Codirector of the PDh thesis plan of Lic. María José Benac, Depto. de Mat. FCE-UNLP, since 2012.
- Codirector of the PDh thesis plan of Lic. Noelia Belén Rios, Depto. de Mat. FCE-UNLP, since 2014.
- Director of the Investigador Asistente del CONICET, Mariano Ruiz, 2009-2013.
- Director of the Investigador Asistente del CONICET, Jorge Antezana, 2007-2011.
- Director of the Investigador Asistente del CONICET, Pedro Massey, 2007-2012.
- Director of the Jefe de Trabajos Prcticos (Depto. Mat. FCE-UNLP) Mariano Ruiz, 2006-2008.
- Director of the Jefe de Trabajos Prcticos (Depto. Mat. FCE-UNLP) de Francisco Martnez Pera, since 2006.

- Director of the Jefe de Trabajos Prcticos (Depto. Mat. FCE-UNLP) Jorge Antezana, since 2006.
- Director of the JTP (Depto. Mat. FCE-UNLP) Pedro Massey, 2008.
- Director of the Jefe de Trabajos Prcticos (Depto. Mat. FCE-UNLP) Martn Argerami, 1995-2004.

7.4 Advisor of Grants:

- Beca interna de postgrado Tipo I del CONICET of Eduardo Mario Ghigliani, IAM-CONICET (2014-2017).
- Beca de doctorado del CONICET of Mariano Andrés Ruiz, IAM-CONICET (2004-2008).
- Beca de doctorado de FONCYT of Mariano Andrés Ruiz, IAM-CONICET (2003).
- Beca de doctorado del CONICET of Jorge Abel Antezana, IAM-CONICET (2003-2007, Director since 2005).
- Beca de doctorado del CONICET of Pedro Massey, Depto. de Mat. FCE-UNLP (2003-2007).
- Beca de doctorado de la UNLP of Jorge Antezana, FCE-UNLP (2002).
- Beca de doctorado de la UNLP of Pedro Massey, FCE-UNLP (2002).
- Beca de iniciación de la CIC of Pedro Massey, FCE-UNLP (2001).
- Beca de perfeccionamiento del CONICET of Martín Argerami, Depto. de Mat. FCE-UNLP (1994-1996).
- Beca de iniciación del CONICET of Gustavo Piñeiro, (1994-1995).

Co-Direction

- Codirector of the beca interna de postgrado Tipo II del CONICET of María José Benac, IAM-CONICET (2014-2016).
- Codirector of the beca interna de postgrado Tipo I del CONICET of Noelia Belén Rios, IAM-CONICET (2014-2017).
- Codirector of the beca interna de postgrado Tipo I del CONICET of Eduardo Chiumiento, IAM-CONICET (2007-2009).

- Codirector of the beca de doctorado del CONICET of Francisco Martínez Pería, Depto. de Mat. FCE-UNLP (2004-2008).
- Codirector of the beca de doctorado del CONICET of María Laura Arias, IAM-CONICET (2004-2008).

7.5 Postgraduate teaching

- In the FACULTAD DE CIENCIAS EXACTAS -UNLP:

Semester curses (84 hs.):

- Analysis Matricial (7 times).
- Complementos de Analysis Funcional (2 times).
- Teora de Operadores (2 times).

from 2000 to 2014.

- Seminar of Operator and Matricial Analysis (weekly), since 2001.

- Master in Mathematics, Depto. de Matemática de la Facultad de Ciencias Económicas y Adm.-UNC (Comahue):

Curses of 30 hs.

- Analysis Funcional, 2003 and
- Analysis Matricial, 2001.

- Depto. de Matemática of the FCEN-UBA: Semester curses (84 hs.):

- N 93101 Algebras de operadores y teoría del índice, 1991
- N 94101 Algebras de operadores II , 1994
- N 94201 Algebras de operadores III , 1994
- N 98204 Complementos de Analysis funcional, 1998
- N 99102 Analysis matricial, 1999

- Reuniones Anuales of the UMA (San Luis 1990 and Rosario 2000),

- "Operadores compactos en espacios de Hilbert" .
- "Analysis Matricial" .

- Seminario Nacional de Matemática, Córdoba, august 1996.

- Algebras C^* .

- II Encuentro Nacional de Algebristas, Córdoba, august 2004.

- "Analysis Matricial" .

8 Subsidies for research activities:

8.1 Direction de research projects:

- Director of the PIP 0152-CO of the CONICET, "Marcos, Analisis Matricial y Teoría de Operadores", 2015-2017.
- Director of the PIP 0435 of the CONICET, "Marcos, Teoría de Operadores y Analisis Matricial", 2010-2014.
- Director of the research project 11X585 UNLP (2010-2012) "Marcos, Analisis Matricial y Teoría de Operadores".
- Director of the research project 11 X472 UNLP (2006-2009) "Teora de Operadores y Analysis matricial".
- Director of the research project 11 X350 UNLP (2002-2005) "Algebras de Operadores y Analysis matricial".
- Director of the research project 11 X278 UNLP (1999-2001) "Analysis matricial y Algebras de Operadores".
- Director of the research project UNLP (1996-1998) "Geometría en Algebras de Operadores".
- Director of the research project TW49 UBACYT (1998-2000) "Espacios Homogéneos Reductivos y Algebras de Operadores".
- Codirector of the research project EX024 UBACYT (1995-1997) "Espacios Homogéneos Reductivos y teoría del índice".

8.2 Member:

- PIP 0152 CO, CONICET "Análisis Funcional y Teoría de Operadores", 2005-2008.
- Research Project 11X681 UNLP (2014-2017) "Análisis Matricial, Marcos y Teoría de Operadores". Director: P. Massey.
- PIP 5272, CONICET "Análisis Funcional y Teoría de Operadores", 2005-2008.
- PIP CONICET "Geometría en álgebras de operadores y aplicaciones", 2002-2004.
- Research Project 01-X050 (UBACYT) "Análisis Funcional y Teoría de Operadores", 2001-2003.

- Research Project ANPCyT, PICT'01. “Métodos geométricos en Análisis funcional y aplicaciones”, 2002-2004.
- Research Project TX92 (UBACYT) “Análisis Funcional y Aplicaciones”, 1998-2000.
- Research Project ANPCyT, PICT'97. “Problemas métricos en teoría de operadores”, 1998-1999.
- PIP CONICET “Geometría en álgebras de operadores”, 1996-1998.

9 Evaluation of scientific activities:

9.1 Member of Selection Boards:

- Member of selection board for a position of Profesor Titular and two of Asociado in the FAMAF-UNC, 2014.
- Member of selection board for a position of Profesor Adjunto, in the FAMAF-UNC, 2014.
- Member of selection board for a position of Profesor Asociado and Profesor Adjunto in the FCE-UNLP, 2013.
- Member of selection board for a position of Profesor Titular and Profesor Asociado in the ICI-UNGS, 2011.
- Member of selection board for a position of Profesor Titular and two of Asociado, in the FAMAF-UNC, 2010.
- Member of selection board for a position of Profesor Titular, in the FCE-UNLP, 2010.
- Member of selection board for a position of Profesor Titular, in the FCE-UNLP, 2009.
- Member of selection board for a position of Profesor Adjunto, in the FCE-UNLP, 2009.
- Member of selection board for a position of Profesor Adjunto, en el ICI de la UNGS, 2009.
- Member of selection board for a position of Profesor Adjunto in the FCEN-UBA, 2008.
- Member of selection board for a position of Profesor Titular in the Facultad de Ingeniera UNR, 2008.

- Member of selection board for a position of Profesor Adjunto, en el ICI de la UNGS, 2007.
- Member of selection board for several positions in the FCE-UNLP, since 1993.
- Member of selection board for several positions in the FCEN-UBA, 1980-1999.

9.2 Member jury of post-graduate thesis:

- PDh Thesis in Mathematics of Carolina A. Mosquera, FCEN-UBA.
Title: Sistemas de traslaciones: generadores de marcos y aproximación.
Director: Carlos Cabrelli - 2015.
- PDh Thesis in Mathematics of Tamara Paula Bottazzi, Universidad Nacional de General Sarmiento.
Title: Operadores minimales y espacios homogéneos bajo la acción del grupo unitario.
Director: Alejandro Varela. - 2015.
- PDh Thesis in Mathematics of Magalí Anastasio, FCEN-UBA.
Title: Modelos no-lineales para la Teoría de Muestreo.
Director: Carlos Cabrelli. - 2011.
- Master Thesis of Nancy Kruse, FCE-UNC, Neuquén.
Acreditacion de la CONEAU: Categoria Cn No. de res. 611/00
Title: Desigualdades de Ando-Zhan y sus extensiones.
Director: Pedro Massey - 2011.
- PDh Thesis in Mathematics of Cristian Conde, FCEN-UBA.
Title: Desigualdades Geométricas e Interpolación de Operadores p-Schatten.
Director: Esteban Andruchow - 2008.
- PDh Thesis of Alejandro Cabrera, FCE-UNLP, Mathematics. Title: Fases geométricas en sistemas mecánicos.
Director: Jorge Solomn. - 2007.
- PDh Thesis in Mathematics of Gabriel Larotonda., FCEN-UBA.
Title: Convexidad geodésica, espacios simétricos y operadores de Hilbert-Schmidt.
Director: Esteban Andruchow. - 2005.

- PDh Thesis in Mathematics of Antonio Di Scala, FAMAF, Córdoba.
Title: Factorización de subvariedades complejas y geometría de las representaciones Lorentzianas.
Director: Carlos Olmos - 2000.
- Master Thesis of Irene Mosconi, FCE-UNC, Neuquén.
Título: Desigualdades de Operadores y Producto de Hadamard.
Director: Gustavo Corach - 2003.

9.3 CONICET:

- Member of the Comisión Asesora de Matemática, 2015 and 2016.
- Member of the Comisión Asesora de Matemática, 2011 and 2012.
- Member of the Comisión Asesora de Matemática, 2004 and 2005.
- External reviewer for applications to the Carrera de Investigador y promotions in the CONICET. Since 2002.
- External reviewer for applications to Projects PIP of the CONICET. Since 2008.

9.4 ANPCYT:

- External reviewer for Projects, since 2002.
- Member of the Comisión de Presupuesto, área Astronomía-Física y Matemática (2003).

9.5 UBACYT:

- External reviewer for Projects since 2002.

9.6 Univesridad Nacional de General Sarmiento:

- External reviewer for Projects - 2003.

9.7 Univesridad Nacional de La Plata:

- Member of the Comisin Asesora Tecnolgica del rea Matematica de la Universidad Nacional de La Plata (2006 - 2010).

9.8 Referee for journals:

- Journal of Operator Theory.
- Linear Algebra and its Applications.
- Journal of Mathematical Analysis and Applications.
- Integral Equations and Operator Theory.
- Electronic Journal of Linear Algebra.
- Applied and Computational Harmonic Analysis.

10 Academic management:

- Chief of the Depto. de Matemática de la FCE-UNLP (2013).
- Chief of the del Depto. de Matemática de la FCE-UNLP (2006).
- Subdirector of the Instituto Argentino de Matemática (IAM-CONICET) 2002 to 2009.
- Member of the Consejo Departamental of the Depto. de Matemática FCE-UNLP (1999-2001, 2004 and 2007).
- Member of the Comisión Asesora de Investigaciones of the HCA de la FCE-UNLP (2000-2014).
- Member of the Comisión de Investigaciones of the Depto. de Matemática de la FCE-UNLP (1999-2000).
- Member of the Consejo Departamental of the Depto. de Matemática FCEN-UBA (1995-1996).

Dr. Demetrio Stojanoff