

# Daniel Labardini-Fragoso

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**Current employment** Professor of Mathematics, Instituto de Matemáticas, Universidad Nacional Autónoma de México (UNAM), tenured since September 2017.

**Previous appointments** Associate Professor of Mathematics, Instituto de Matemáticas, UNAM, 2013-2017.  
Postdoctoral Fellow, Mathematisches Institut, Universität Bonn, Germany. 2011-2013.  
Research Assistant. Department of Mathematics, Northeastern University, Boston, MA, USA. Summer semesters, 2007-2010. Supervisor: Andrei Zelevinsky.  
Teaching Assistant. Department of Mathematics, Northeastern University, USA. 2006-2010.  
Teaching Assistant. Facultad de Ciencias, UNAM, Mexico. 2002-2006.

**Education** Ph.D. Mathematics. Advisor: Andrei Zelevinsky. Northeastern University, USA. 2010.  
M.Sc. Mathematics. Instituto de Matemáticas, UNAM, Mexico. 2006.  
B.Sc. Mathematics. Facultad de Ciencias, UNAM, Mexico. 2004.

**Honours** *Cátedra Marcos Moshinsky* for young researchers, awarded by UNAM's Physics Institute and the Marcos Moshinsky Foundation. 2018.  
*Level II National Researcher* at the National Researchers System (Sistema Nacional de Investigadores, SNI, Mexico) since January 2018.  
*Level I National Researcher* at SNI from January 2015 to December 2017.  
Nomination by Andrei Zelevinsky to *Northeastern University's 2010 Outstanding Graduate Student Award in Research - Life Sciences, Physical Sciences, and Engineering*. 2010.  
*Sotero Prieto Prize*, awarded by the Mexican Mathematical Society to the best Undergraduate Thesis in Mathematics. 2004.  
*Mención Honorífica* (equivalent to *Summa Cum Laude*) at undergraduate thesis defense. 2004.

**Research grants** PAPIIT-IN112519 "Álgebras de Caldero-Chapoton, relaciones de madeja y bases genéricas". 2019-2020.  
CONACyT-238754 "Carcajes y especies con potenciales, álgebras de superficies y teoría de Teichmüller: Teoría, algoritmos y visualización". Category: Young Researcher. 2015-2019.  
PAPIIT-IA102215 "Triangulaciones de superficies, álgebras Jacobianas y equivalencias derivadas". Grant proposal and final report both evaluated as "excellent". 2015-2017.

**Selected plenary and invited talks** *Latin American Algebra Colloquium (Coloquio Latinoamericano de Álgebra)*. Plenary talk. El Colegio Nacional, México. 2019.  
*Cluster Algebras 2019*. Research Institute for Mathematical Sciences, Kyoto University, Japan.  
*Tropical Geometry meets Representation Theory II*. Mini-course. University of Leicester. 2019.  
*First joint meeting of the Colombian and Mexican Mathematical Societies*. Mini-course consisting of two plenary lectures. Universidad del Norte, Barranquilla, Colombia. 2018.  
*Cluster Algebras, 20 years on*. CIRM, Luminy, France. 2018.

*Spring School Cluster Algebras in Mathematical Physics (CAMP)*, Institut für Mathematik, Johannes Gutenberg-Universität Mainz. 2017.

*International Conference on Representation Theory and Commutative Algebra: A conference in honor of Jerzy Weyman's 60th Birthday*. University of Connecticut, USA 2015.

*Cluster Algebras and Related Topics*. MFO, Oberwolfach, Germany. 2013.

*Algebra, Combinatorics and Representation Theory: In Memory of Andrei Zelevinsky*. Northeastern University, Boston, MA, USA. 2013.

**Editorial board** Associate Editor, *Boletín de la Sociedad Matemática Mexicana (3rd series)*, since Dec. 2018.

**Advisory board** Member of the Evaluating Committee of UNAM's Mathematics Institute since March 2019.

**Organization** *Advances in Representation Theory of Algebras 7, celebrating José Antonio de la Peña's 60th birthday*. Instituto de Matemáticas, UNAM, México.

*Cluster Varieties and Mathematical Physics*. Casa Matemática Oaxaca, Mexico. 2018.

*75 years of Mathematics in Mexico*. Instituto de Matemáticas, UNAM, México. 2017.

*Third meeting of the US-Mexico Conference on Representation Theory, Categorification, and Non-commutative algebra*. Instituto de Matemáticas, UNAM, México. 2017.

*Special session on Calabi-Yau manifolds and Calabi-Yau algebra*. Mathematical Congress of the Americas, McGill University, Montreal, Quebec, Canada. 2017.

*Encuentro Nacional de Jóvenes Investigadores en Matemáticas (ENJIM)*. Instituto de Matemáticas, UNAM, México. 2015.

*Modern algorithmic techniques in computer science for Big Data: A Workshop with Prof. John Hopcroft*. INFOTEC-DF, Mexico. 2015.

**Research collaboration and supervision** 14 Visitors, including Raymundo Bautista (UNAM), Anna Felikson (Durham), Jan Geuenich (Bonn, now in Bielefeld), John Hopcroft (Cornell), Katerina Hristova (Warwick), Osamu Iyama (Nagoya), Lang Mou (UC, Davis) Pierre-Guy Plamondon (Orsay), Jan Schröer (Bonn), Michael Shapiro (Michigan), Tom Sutherland (Pavia, now in Lisbon). 1 Postdoctoral Fellow (Jonathan Wilson). 2 Ph.D. Students (Jan Geuenich, Ph.D. degree obtained in 2017, though I was not recognized officially as his Advisor; Diego Velasco, Ph. D. degree obtained in 2019). 3 M.Sc. Students (M.Sc. degrees obtained in 2019, 2017 and 2017). 2 Undergraduate Students (both of them obtaining the equivalent to *Summa Cum Laude*; one of them, winner of the *Sotero Prieto Prize*, awarded by the Mexican Mathematical Society to the best undergraduate thesis in Mathematics).

**Teaching experience** 38 courses taught (3 at the Graduate level as Professor, 12 at the Undergraduate level as Professor, 1 at the Graduate level as Teaching Assistant, 22 at the Undergraduate level as Teaching Assistant), 28 of them at UNAM, 10 at Northeastern University.

**Languages** Spanish (native speaker), English (fluent, TOEFL-CBT score 263/300 in November/2005), German (A2, Anfänger).

**Programming language** Python.