Laura P. Schaposnik M. (March 24, 2023)

PERSONAL INFORMATION	Department of Mathematics, University of Illinois, Chicago, IL 60607, USA	Born: 20 July, 1985 in La Plata, Argenti Email: lauraschaposnik@gmail.com https://schapos.people.uic.edu	na
EMPLOYMENT	Professor, University of Illinois at Chica	ago, USA.	since 2022
	Associate Professor, University of Illin		2018-2022
	Assistant Professor, University of Illin		2015-2018
		niversity of Illinois at Urbana-Champaign, U	
	Wissenschaftlicher Assistent, Heidelb		2012-2013
	<i>'</i>	cs, Trinity & Magdalen College, Oxford, UK	
	Retained Lecturer in Mathematics,	, , ,	2010-2011
Education	University of Oxford. New College, O D.Phil. in Mathematics, Advisor: Prof. N		2008-2013
	National University of La Plata. La Lic. en Matematica (MMath equiv.). Gra	Plata, Argentina. ade: 10/ 10. Advisor: Prof. Jorge Solomin.	2004-2008
	Conservatory Gilardo Gilardi. Music	Conservatory, La Plata, Argentina.	2003-2007
VISITING POSITIONS	9. Visiting Fellow, All Souls College, U	Jniversity of Oxford, UK.	Spring 2023
	8. Visiting professor, Mathematical In	stitute, University of Oxford, UK.	Spring 2023
	7. Research Professor, Mathematical S	Sciences Research Institute, USA.	Fall 2022
	6. Research Member, Mathematical Se	ciences Research Institute, USA.	Fall 2019
	5. Alexander von Humboldt fellow, Fr		Summer 2019
		s Center for Geometry and Physics, USA.	Spring 2019
	3. Visiting Fellow, New College, Unive	· ·	Fall 2018
	2. Visiting professor, Mathematical In	•	Fall 2018
	1. Alexander von Humboldt Fellow, F.	*	Fall 2017
SELECTED	11. NSF FRG Award DMS 215210	77 (PI, w/ Mulase, Sawon, Dumitrescu).	2022-2025
GRANTS AND FELLOWSHIPS	10. <i>RTG: Algebra, Geometry, and</i> (Key Personnel, w/ (PI) Coskun et		2021-2026
SINCE 2015	9. Simons Fellowship.	,	2022-2023
	8. <i>Mottez fellowship</i> , IHP Paris, Fr	ance.	2023
		rickson, Mazzeo, Mrowka, (PI) Walpuski).	2022
	6. NSF CAREER Award DMS 1	• • • •	2018-2023
	5. NSF Conference Award – "Un	. ,	2021
	4. NSF DMS 1929915 (PI, w/ L. A	Anderson). and Physics Semester , (PI, w/ L. Anders	2019 son). 2019
	2. Alexander von Humboldt Fello	_	2017-2019
	1. NSF DMS 1509693 and DMS	_ · · · /	2015-2019
Memberships	10. Fellow of UIC Honors College.		since 2021
	9. Member of the American Mathem	- , , ,	$since\ 2017$
	8. Member of the Unión Matemática		$since\ 2017$
	7. Faculty member of the GEAR N		$since\ 2015$
		Massachusetts Institute of Technology.	since 2014
	5. Member of the AWM Gweneth Hu	imphreys Award Selection Committee	2022-2025

	 Member of the AWM Joan & Joseph Birman Prize Committee. Co-Chair of the AMS Joint Committee on Women in Maths. (JCW). 	2021-2023 2019-2023 2017-2018 2015-2018
SUPERVISION OF PhD STUDENTS		ected 2024 uary 2022
PHD AND MASTER THESIS COMMITTEES	 Fabiola Cordero, PUC-Rio, Brazil. Juan Sebastián Numpaque, Universidad de los Andes, Colombia. Keaton Quinn and Charles Alley, University of Illinois at Chicago, USA. Thesis reviewer, Roma Tre University, Italy 	2021 2021 2019-2020 2019
SUPERVISION OF RESEARCH PROJECTS	 Ashna Dagam, Wisconsin independent research student. Sharis Hsu, West coast independent research student. Raina Wu, Supervised through MIT PRIMES-USA. Varun Mittal, Chicagoland High school student. (joining UIUC?). 	2023 2023 2023 2022
	 Grace Wang, Supervised through MIT PRIMES-USA (joining MIT). Sheryl Hsu, Supervised through MIT PRIMES-USA (now at Stanford). Regeneron Science Scholar 2021; JMM MAA Undergraduate Poster Session presenter. Vishaal Ram, Supervised through MIT PRIMES-USA (now at MIT). 	2022 2021 er. 2020
	Regeneron Science Scholar 2020; 2020 ST. Yau High School Science Bronze Award 6. Yuyuan Luo , Supervised through MIT PRIMES-USA (now at <i>MIT</i>). JMM Outstanding Poster Presentation Award.	l. 2019
	 Rinni Bhansali, Supervised through MIT PRIMES-USA (now at <i>Stanford</i>). Regeneron Scholar 2019JHSH National Finalist 2019; JMM MAA session speaker. Rachana Madhukara, Kevin Ren, Anlin Zhang (High School, California). Group National Finalist in the 2017 Siemens Competition. 	2018 2017
	 Anlin Shang, Supervised through MIT PRIMES-USA (now at <i>Princeton</i>). Kai-Siang Ang, Supervised through MIT PRIMES-USA (now at <i>Stanford</i>). Regeneron Science Talent Search Scholar 2017. 	2017 2016
	 Jessica Li, Supervised through IGL and MIT PRIMES-USA (now at <i>Harvard</i>). Semifinalist in the 2014 Siemens Competition and Intel Competition (among others) C. Da, M. Zosky, J. Li, C. Formosa (Supervised through IGL). 	2014); 2014
AWARDS AND GRANTS	27. NSF FRG Award DMS 2152107 (w/ Mulase, Sawon, Dumitrescu) (US\$ 1.4m).	2022-2025 2015-2025
2014 - $present$ (\sim US\$ 3.2M)	 25. Krainz Foundation Research Award, PI (US\$10k). 24. London Mathematics Society Conference grant, PI. 23. Heilbronn Conference grant, PI. 	2023 2023 2023
	 BIRS Conference grant, PI, w/ Anderson, Rayan and Schafer-Nameki. BIRS Conference grant, co-PI, w/ Dumitrescu, Failde, Morales and PI Mulase. IHP: Research in Pairs (with Steven Rayan and Emanuele Macri) Simons Fellowship (PI) (US\$ 100k). 	2023 2023 2023 2022-2023
	18. NSF CAREER Award DMS 1749013: (PI) (US\$ 400k).	2018-2023 2018-2020 2019 2019
	 Stmons Center for Geometry and Physics (~US\$ 300k), SCGP, Conference Grants (PI w/ L. Anderson, US\$ 35k ×2). Oberwolfach Conference grant (PI, w/ Anderon, Hausel and Mazzeo) 	2019 2019 2019

12. Alexander von Humboldt Fellowship (US\$ 40k)	2017-2019
11. NSF Research grant DMS 1509693 and DMS 1611835 (PI) (US\$ 144k)	2015-2019
10. <i>UIC Research Award</i> , through UFRP program (US\$ 30k).	2015-2018
9. <i>Conference grant</i> via NSF RTG grant DMS-1246844 (PI: L. Ein). (US\$ 45k)	2016-2018
8. UIUC Math Department Conference grant (US\$ 5k).	2017
7. NSF Conference grants through GEAR Network (PI), (US\$ 90k).	2015 - 2017
6. American Institute of Mathematics (PI), Conference Grant (US\$ 35k x2).	2015 - 2017
5. Long & Short visit grants via GEAR Network (US\$ 30k),	2014-2017
4. SCGP (PI w/Anderson), Conference Grant (US\$ 30k).	2016
3. <i>IHP trimester participant support</i> (×2), Institut Henri Poincaré (US\$ 4k)	2012-2016
2. AMS Simons Travel Grant (US\$ 4k)	2014-2015
1. Public Engagement Grant, UIUC w./ Delcourt (PI) & Kedem.	2014-2015
5. European Science Foundation short visit Grant via "ITGP".	2012-2013
4. QGM 6 months research grant, QGM, Aarhus and Oxford.	2012
3. Clarendon Award and New College Scholarship.	2008-2011
2. National Government and Santander Bank and Joaquín V González Pr	<i>ize</i> . 2009
1. Argentinian Mathematical Olympiads, 3rd place, w/R . Lafuente $(\times 2)$	2007-08

SELECTED
UNDERGRADUATE
& GRADUATE
PRIZES, AWARDS,
AND GRANTS
2006-2013

INTERNATIONAL MEETINGS ORGANIZED 39. **Co-Organizer**, with Mulase, Dumitrescu, Cruz Morales & Garcia Failde October 2023 BANFF: "Complex Lagrangians, Mirror Symmetry, and Quantization" BANFF, Canada.

- 38. **Organizer**, University of Oxford, UK

 "Workshop and school on Complex Lagrangians, Integrable Systems, and Quantization".
- 37. **Co-Organizer**, with Anderson, Rayan and Schafer-Nameki May 2023 BIRS: "The Geometry, Algebra, and Physics of Higgs Bundles" BIRS-Okanagan, Canada.
- 36. **Co-Organizer**, with Fredrickson, Mazzeo, Mrowka and Walposki Fall 2022 MSRI: "Analytic and geometric aspects of gauge theory", 1-semester program. MSRI, USA.
- 35. Co-Organizer, with Lara Anderson.

 MSRI: "Connections for Women Woorkshop", MSRI, USA

 August 2022
- 34. Co-Organizer, with Brian Collier UIC: "Geometric structures (re)United", UIC, USA.

ollier June 2022 re)United", UIC, USA.

- 33. **Co-Organizer**, international conference in Sir Michael Atiyah's memory September 2021 Newton Institute: "Unity of Mathematics", Newton Institute, Cambridge, UK
- 32. Co-Organizer, w/ James Unwin. Second in a series of workshops "SIDE Math". June 2021 UIC: "Selected Interdisciplinary Directions of Entertaining Mathematics 2021", UIC, USA.
- 31. Co-Organizer, w/ James Unwin. First in a series of workshops "SIDE Math". June 2020 UIC: "Selected Interdisciplinary Directions of Entertaining Mathematics 2020", UIC, USA.
- 30. Co-Organizer, w/ Athreya, Bradlow, Gukov, Neitzke, Zorich, Weitze-S. November 2019 MSRI: "Holomorphic Differentials in Mathematics and Physics", MSRI, USA.
- 29. Co-Organizer, with A. Mandini, M. Verbitsky, and A. Zorich.

 IMPA: "Teichmüller Theory, Hyperbolicity and Dynamics", IMPA, Brazil.
- 28. Co-Organizer (chair), with L. Anderson, T. Hausel, and R. Mazzeo. May 2019 Oberwolfach: "Geometry and Physics of Higgs bundles", Oberwolfach (MFO), Germany.
- 27. **Co-Organizer** with L. Anderson, 1-semester program. Spring 2019 SCGP: "Geometry and Physics of Hitchin Systems", SCGP, USA.
- 26. Co-Organizer (chair) with L. Anderson. Fifth in a series of workshops. May 2019 SCGP: "Current trends in spectral data for Higgs bundle V", SCGP, USA.
- 25. Co-Organizer (chair) with L. Anderson, R. Mazzeo, and T. Pantev. March 2019 SCGP: "Challenges at the Interface of Hitchin Systems and String Theory", SCGP, USA.

- 24. Co-Organizer (chair), with R. Arroyo, B. Davison, M. Logares, M. Mereb. December 2018 UBA: "Current Trends on Hitchin Systems", UBA, Argentina.
- 23. **Organizer**, Fourth of a series of Two-day workshops. November 2018 Oxford: "Current trends in spectral data for Higgs bundle IV", Oxford, UK.
- 22. **Organizer**, Third of a series of Two-day workshops. November 2017 UIC: "Current trends in spectral data for Higgs bundle III", UIC, USA.
- 21. Co-Organizer (chair), with L.B. Anderson, J.M. Esole and L. Fredrickson October 2017 AIM: "Singular Geometry and Higgs Bundles in String Theory", AIM Workshop.
- 20. **Co-Organizer** with Florent Schaffhauser and Richard Wentworth July 2017 MCA: "Geometry and Physics of Higgs bundles". Special Session, MCA2017, Canada.
- 19. Co-Organizer (chair), with B. Collier and G. Daskalopoulos May 2017 Allerton: "Geometry and Physics of Augmented Bundles". Allerton, Illinois, USA.
- 18. **Co-Organizer**, with D. Dumas, A. Furman, D. Groves, and K. Whyte February 2017 UIC: "Chicago Action Now II", UIC, USA.
- 17. **Co-Organizer** with Bernardo Uribe et. al. July 2016 CLAM: "Fifth Latin American Congress of Mathematics", Barranquilla, Colombia.
- 16. **Co-Organizer** with Florent Schaffhauser and Richard Wentworth. July 2016 CLAM: "Higgs bundles and real character varieties", Special Session, CLAM V, Colombia.
- 15. Co-Organizer (chair), with L. B. Anderson, D. Baraglia and V. Shende June 2016 SCGP: "New perspectives on Higgs bundles, branes and quantization", SCGP, USA.
- 14. Co-Organizer (chair), with Lara B. Anderson

 SCGP: "Current trends on spectral data for Higgs bundle II", SCGP, USA.

 June 2016
- 13. **Co-Organizer (chair)**, with J. Andersen, D. Baraglia, P. Boalch September 2015 AIM: "Spectral data for Higgs bundles", AIM Workshop.
- 12. **Organizer**, Weekend workshop. October 2015 AIM: "Current trends on spectral data for Higgs bundles I", AIM, USA.
- 11. **Co-Organizer**. UIC, USA. with Ross, Sinapova, Perkins, et. al. October 2021 UIC: "GROW 2021: Graduate Research Opportunities for Women".
- 10. Co-Organizer. UChicago, USA. with Corlette, Masur, May, Calegari, et. al. October 2020 UChicago: "GROW 2020: Graduate Research Opportunities for Women".
- 9. Co-Organizer (chair) with L. Anderson, S. Katz and J. Teschner. May 2019 SCGP: "Graduate Summer School on Hitchin systems", SCGP, USA.
- 8. Co-Organizer (chair) with L. Anderson; Series of Two-day workshops. March 2019 SCGP: "Workshop on the geometry and physics of Higgs bundles IV'. SCGP, USA.
- 7. **Co-Organizer**, with Steve Rayan. Prince Albert National Park, Canada. August 2018 PANP: "Geometry and Physics of Gauge Theories".
- 6. Organizer, Graduate students' workshop. UIC, USA.

 UIC: "RTG Workshop on the geometry and physics of Higgs bundles III".
- 5. **Organizer**, Graduate students' workshop. UIC, USA. Nov. 2017 UIC: "RTG Workshop on the geometry and physics of Higgs bundles II".
- 4. **Organizer**, One day graduate workshop for students of UIC, USA. May 2017 UIC: "Graduate day on Geometry and Topology II".
- 3. **Organizer**, One day graduate workshop for students of UIC, USA. November 2016 UIC: "Graduate day on Geometry and Topology' I'.
- 2. Organizer, Graduate students' workshop. UIC, USA.

 UIC: "RTG Workshop on the geometry and physics of Higgs bundles I"
- 1. Co-Organizer (with Andy Sanders, Michelle Lee and Sara Maloni), May 2014 GEAR: GEAR Junior Retreat (10 days 150 participants, US\$ 300 k budget).

MEETINGS ORGANIZED FOR GRADUATE STUDENTS AND POST-DOCS

Mini-Courses

Colloquia and Plenary talks (*)

12.	Universidad Nacional de La Plata, La Plata, Argentina.	April 2023
11	3 Hrs - Lectures on percolation theory. University of Oxford, Oxford, UK.	March 2023
11.	3 Hrs - Masterclass on knot theory.	171611 2020
10.	Universidad Nacional de La Plata, La Plata, Argentina. 3 Hrs - Lectures on knot theory.	November 2022
9.	Undergraduate geometry & topology workshop, Notre Dame, USA. 3 Hrs - Lectures on knot theory.	August 2022
8.	IAS/Park City Mathematics Institute (PCMI) 2019 Program, Park C 4 Hrs - Lectures on Gauge theories intended for ~ 150 participants.	City, USA. August 2019
7.	Junior GEAR Retreat 2017, Stanford University, USA. 3 Hrs - Lectures on Higgs bundles intended for ~ 100 participants.	August 2017
6.	Summer program for undergraduate women, UBC, Vancouver, Canada 16 Hrs - Lectures on Knot theory intended for undergraduate studen	_
5.	School on Higgs bundles, ICTS, Bangalore, India. 4 Hrs - Lectures on Higgs bundles intended for graduate students an	March 2016
4.	Pohang Mathematics Institute, Pohang, Korea. 3 Hrs - Lectures on Higgs bundles intended for graduate students an	November 2014
3.	Summer School on the moduli space of Higgs bundles, NUS, Singapor 2 Hrs - Lectures on Higgs bundles.	
2.	University of California at Davis, California, USA.	January 2014
1.	3 Hrs - Lectures on Higgs bundles intended for graduate students an Faculté des Sciences d'Orsay, Université Paris-Sud, France 2 Hrs - Lectures on Higgs bundles intended for undergraduate and graduate	April 2013
28.	All Souls College evening series, Oxford, UK.	January 2023
	Heilbronn Annual Meeting *, Bristol, UK.	September 2022
	YSP at UIC*, Chicago, USA.	June 2021
	Real Sociedad Matemática Española *, Spain (Online).	May 2021
24.	Real Sociedad Matemática Española *, Spain (Online). Cibercologuio Latinoamericano de Matemáticas, Brazil (Online).	May 2021 April 2021
	Cibercoloquio Latinoamericano de Matemáticas, Brazil (Online).	April 2021
23.	Cibercoloquio Latinoamericano de Matemáticas, Brazil (Online). Unión Matemática Argentina *, Annual meeting, Argentina (online).	April 2021 September 2020
23. 22.	Cibercoloquio Latinoamericano de Matemáticas, Brazil (Online). Unión Matemática Argentina *, Annual meeting, Argentina (online). (×2) University of Illinois at Chicago, USA.	April 2021 September 2020 March 2016, March 2020
23. 22. 21.	Cibercoloquio Latinoamericano de Matemáticas, Brazil (Online). Unión Matemática Argentina *, Annual meeting, Argentina (online). (×2) University of Illinois at Chicago, USA. Rutgers University - Newark Campus, USA.	April 2021 September 2020 March 2016, March 2020 April 2019
23.22.21.20.	Cibercoloquio Latinoamericano de Matemáticas, Brazil (Online). Unión Matemática Argentina *, Annual meeting, Argentina (online). (×2) University of Illinois at Chicago, USA. Rutgers University - Newark Campus, USA. Stony Brook University, Stony Brook, USA.	April 2021 September 2020 March 2016, March 2020 April 2019 March 2019
23. 22. 21. 20. 19.	Cibercoloquio Latinoamericano de Matemáticas, Brazil (Online). Unión Matemática Argentina *, Annual meeting, Argentina (online). (×2) University of Illinois at Chicago, USA. Rutgers University - Newark Campus, USA. Stony Brook University, Stony Brook, USA. Simons Center for Geometry and Physics, Stony Brook, USA.	April 2021 September 2020 March 2016, March 2020 April 2019 March 2019 February 2019
23. 22. 21. 20. 19.	Cibercoloquio Latinoamericano de Matemáticas, Brazil (Online). Unión Matemática Argentina *, Annual meeting, Argentina (online). (×2) University of Illinois at Chicago, USA. Rutgers University - Newark Campus, USA. Stony Brook University, Stony Brook, USA. Simons Center for Geometry and Physics, Stony Brook, USA. Iberoamerican Congress on Geometry *, Valladolid, Spain.	April 2021 September 2020 March 2016, March 2020 April 2019 March 2019 February 2019 January 2018
23. 22. 21. 20. 19. 18.	Cibercoloquio Latinoamericano de Matemáticas, Brazil (Online). Unión Matemática Argentina *, Annual meeting, Argentina (online). (×2) University of Illinois at Chicago, USA. Rutgers University - Newark Campus, USA. Stony Brook University, Stony Brook, USA. Simons Center for Geometry and Physics, Stony Brook, USA. Iberoamerican Congress on Geometry *, Valladolid, Spain. Northeastern University, Boston, USA.	April 2021 September 2020 March 2016, March 2020 April 2019 March 2019 February 2019 January 2018 January 2018
23. 22. 21. 20. 19. 18. 17.	Cibercoloquio Latinoamericano de Matemáticas, Brazil (Online). Unión Matemática Argentina*, Annual meeting, Argentina (online). (×2) University of Illinois at Chicago, USA. Rutgers University - Newark Campus, USA. Stony Brook University, Stony Brook, USA. Simons Center for Geometry and Physics, Stony Brook, USA. Iberoamerican Congress on Geometry*, Valladolid, Spain. Northeastern University, Boston, USA. University of Utah, Salt Lake City, USA.	April 2021 September 2020 March 2016, March 2020 April 2019 March 2019 February 2019 January 2018 January 2018 January 2018
23. 22. 21. 20. 19. 18. 17. 16. 15.	Cibercoloquio Latinoamericano de Matemáticas, Brazil (Online). Unión Matemática Argentina*, Annual meeting, Argentina (online). (×2) University of Illinois at Chicago, USA. Rutgers University - Newark Campus, USA. Stony Brook University, Stony Brook, USA. Simons Center for Geometry and Physics, Stony Brook, USA. Iberoamerican Congress on Geometry*, Valladolid, Spain. Northeastern University, Boston, USA. University of Utah, Salt Lake City, USA. University of Washington, Seattle, USA.	April 2021 September 2020 March 2016, March 2020 April 2019 March 2019 February 2019 January 2018 January 2018 January 2018 January 2018 January 2018
23. 22. 21. 20. 19. 18. 17. 16. 15.	Cibercoloquio Latinoamericano de Matemáticas, Brazil (Online). Unión Matemática Argentina*, Annual meeting, Argentina (online). (×2) University of Illinois at Chicago, USA. Rutgers University - Newark Campus, USA. Stony Brook University, Stony Brook, USA. Simons Center for Geometry and Physics, Stony Brook, USA. Iberoamerican Congress on Geometry*, Valladolid, Spain. Northeastern University, Boston, USA. University of Utah, Salt Lake City, USA.	April 2021 September 2020 March 2016, March 2020 April 2019 March 2019 February 2019 January 2018
23. 22. 21. 20. 19. 18. 17. 16. 15. 14.	Cibercoloquio Latinoamericano de Matemáticas, Brazil (Online). Unión Matemática Argentina *, Annual meeting, Argentina (online). (×2) University of Illinois at Chicago, USA. Rutgers University - Newark Campus, USA. Stony Brook University, Stony Brook, USA. Simons Center for Geometry and Physics, Stony Brook, USA. Iberoamerican Congress on Geometry *, Valladolid, Spain. Northeastern University, Boston, USA. University of Utah, Salt Lake City, USA. University of Washington, Seattle, USA. University of Notre Dame, South Bend, USA.	April 2021 September 2020 March 2016, March 2020 April 2019 March 2019 February 2019 January 2018
23. 22. 21. 20. 19. 16. 15. 14. 13.	Cibercoloquio Latinoamericano de Matemáticas, Brazil (Online). Unión Matemática Argentina *, Annual meeting, Argentina (online). (×2) University of Illinois at Chicago, USA. Rutgers University - Newark Campus, USA. Stony Brook University, Stony Brook, USA. Simons Center for Geometry and Physics, Stony Brook, USA. Iberoamerican Congress on Geometry *, Valladolid, Spain. Northeastern University, Boston, USA. University of Utah, Salt Lake City, USA. University of Washington, Seattle, USA. University of Notre Dame, South Bend, USA. Center for Mathematical Physics, Hamburg, Germany. Universidad Nacional de La Plata, Argentina.	April 2021 September 2020 March 2016, March 2020 April 2019 March 2019 February 2019 January 2018 January 2018 January 2018 January 2018 January 2018 January 2018 June 2017 May 2017
23. 22. 21. 20. 19. 16. 15. 14. 13. 12.	Cibercoloquio Latinoamericano de Matemáticas, Brazil (Online). Unión Matemática Argentina *, Annual meeting, Argentina (online). (×2) University of Illinois at Chicago, USA. Rutgers University - Newark Campus, USA. Stony Brook University, Stony Brook, USA. Simons Center for Geometry and Physics, Stony Brook, USA. Iberoamerican Congress on Geometry *, Valladolid, Spain. Northeastern University, Boston, USA. University of Utah, Salt Lake City, USA. University of Washington, Seattle, USA. University of Notre Dame, South Bend, USA. Center for Mathematical Physics, Hamburg, Germany. Universidad Nacional de La Plata, Argentina. Indiana University-Purdue University Indianapolis, USA.	April 2021 September 2020 March 2016, March 2020 April 2019 March 2019 February 2019 January 2018 May 2017 May 2017 November 2016
23. 22. 21. 20. 19. 16. 15. 14. 13. 12. 11.	Cibercoloquio Latinoamericano de Matemáticas, Brazil (Online). Unión Matemática Argentina *, Annual meeting, Argentina (online). (×2) University of Illinois at Chicago, USA. Rutgers University - Newark Campus, USA. Stony Brook University, Stony Brook, USA. Simons Center for Geometry and Physics, Stony Brook, USA. Iberoamerican Congress on Geometry *, Valladolid, Spain. Northeastern University, Boston, USA. University of Utah, Salt Lake City, USA. University of Washington, Seattle, USA. University of Notre Dame, South Bend, USA. Center for Mathematical Physics, Hamburg, Germany. Universidad Nacional de La Plata, Argentina.	April 2021 September 2020 March 2016, March 2020 April 2019 March 2019 February 2019 January 2018 January 2018 January 2018 January 2018 January 2018 January 2018 June 2017 May 2017
23. 22. 21. 20. 19. 16. 15. 14. 13. 12. 11. 9.	Cibercoloquio Latinoamericano de Matemáticas, Brazil (Online). Unión Matemática Argentina *, Annual meeting, Argentina (online). (×2) University of Illinois at Chicago, USA. Rutgers University - Newark Campus, USA. Stony Brook University, Stony Brook, USA. Simons Center for Geometry and Physics, Stony Brook, USA. Iberoamerican Congress on Geometry *, Valladolid, Spain. Northeastern University, Boston, USA. University of Utah, Salt Lake City, USA. University of Washington, Seattle, USA. University of Notre Dame, South Bend, USA. Center for Mathematical Physics, Hamburg, Germany. Universidad Nacional de La Plata, Argentina. Indiana University-Purdue University Indianapolis, USA. String-Maths 2016 *, Collège de France, Paris, France.	April 2021 September 2020 March 2016, March 2020 April 2019 March 2019 February 2019 January 2018 January 2018 January 2018 January 2018 January 2018 June 2017 May 2017 November 2016 July 2016

7. University of Boston, Massachusetts, USA.

January 2015

6.	University of Minnesota, Minneapolis, USA.	January 2015	
	Purdue University, West Lafayette, USA.	December 2014	
	University of Illinois at Chicago, Chicago, USA.	December 2014	E
3.	Boston College, Boston, USA.	November 2014	Ŀ
2.	Pohang Mathematics Institute, Pohang, Korea.	November 2014	
54.	General Geometries and Gauge Theory, Miami.	December 2023	3
53.	Brussels-London Geometry day, London, UK.	April 2023	3
	Analytic and Geometric Aspects of Gauge Theory, MSRI, USA.	August 202	
	Latin American and Caribbean Workshop on Mathematics and Gender, BIRS		
	Mirror symmetry in Latin America, (Online).	July 2021 June 2021	
	OLGA 2021 – Oxford-London Gauge Assembly, (Online) Oxford, UK. Women at the intersection of math and theoretical physics, (Online) Canada.		
	XII Festival de Matemática, (online) Argentina.	September 2020	
	Qolloquium: Quivers, Representations, Resolutions, (online) Canada.	June 2020	
	Higgs bundles & related topics, (online) Toronto, Canada.	May 2020	
44.	Connections for Women: Holomorphic Differentials, MSRI, USA.	August 2019	9
43.	2019 Workshop by Moira Chas, Stony Brook, USA.	June 2019	
	Holomorphic Differentials in Mathematics and Physics, SCGP, USA.	February 2019	
	RTG Workshop on the Geometry and Physics of Higgs bundles III, UIC, US.		
	Southeastern regional mathematical string theory meeting, Duke University, U	-	
	The Analysis of Gauge-Theoretic Moduli Spaces, Banff, Canada. Harmonic Maps, Higgs Bundles and Integrable Systems, Hannover, Germany	August 201' . August 201'	
	GEOQUANT Conference, Jutland, Denmark.	August 201 August 201	
	Topological and Algebraic Advances in QFT, Varese, Italy.	August 201	
	Gauge theory and special geometry (Special Session, MCA 2017), Canada.	July 201	
	Workshop on Moduli theory and Derived category, Seoul, South Korea.	June 201	
33.	Higgs bundles and related topics, Nice, France.	May 201	7
	Mirror Symmetry Conference for Young Mathematicians, Ann Arbor, USA.	May 201	
	British Isles Graduate Workshop Higgs bundles, Isle of Wight, UK.	April 201	
	BUNDLES, TIFR, Mumbai, India.	March 201	
	School on Geometry and Physics, Bangalore, India. Fifth Annual Midwest Women in Math. Symp. (WIMS), Indianapolis, USA.	March 201' February 201'	
	Encuentro Rioplatense de Álgebra y Geometría, La Plata, Argentina.	December 2010	
	Workshop on the Geometry and Physics of Higgs bundles I, Chicago, USA.	October 201	
	Hitchin 70's birthday conference, Madrid, Spain.	September 2010	
24.	New Perspectives on Moduli Spaces in Gauge Theory, NUS, Singapore.	August 2010	6
23.	Rep. Theory, Integrable Systems and QFT, Northwestern University, USA.	April 2010	6
	Higgs Bundles in Geometry and Physics, University of Heidelberg, Germany.		
	Higgs bundles and Hitchin system, Centre Bernoulli, Switzerland.	January 2010	
	Workshop on Holomorphic differentials, Cape Town, South Africa.	January 2010	
	50 years of the Narasimhan–Seshadri Theorem, Chennai, India. Spectral data for Higgs bundles, AIM, San Jose, USA.	October 201 August 201	
	String Mathematics workshop, Harvard University, USA.	August 2013 August 2013	
	Differentialgeometrie im Großen, Oberwolfach, Germany.	July 201	
	· / /		

Conference AND WORKSHOP Talks: List since 2012(5 BEFORE THAT)

10. 9. 8. 7.	Workshop on the moduli space of Higgs bundles, NUS, Singapore. Workshop on the Geometry and Physics of Moduli Spaces, Miraflores, Spain. Character Varieties & Geometric Structures, Howard University, USA. 9th International ISAAC Congress, Krakow, Poland. Topology of moduli spaces of representations, Miraflores, Spain. Workshop on Geometry of Surface Group Representations, CRM, Spain.	July June December August March May	2014 2013 2013 2013
63.	Analysis and Geometry seminar, Oxford, UK	June	2023
62.	King's College London's Geometry Seminar, London, UK	May	2023
61.	COW day, London, UK	May	2023
60.	Centre for Topological Data Analysis weekly meeting, Oxford, UK	January	2023
	De La Plata por el Mundo, (Online) La Plata, Argentina	March	2022
	ZAG seminar, (Online).	December	2021
	Geometric analysis seminar, (Online) Rutgers, USA.	October	
	Mathematical Physics seminar, (Online) Perimeter Institute, Canada.	October	
	Geometry Seminar, (Online) Lisbon, Portugal.	April	
	LAGOON: Leicester Algebra and Geometry Open ONline Seminar, (Online)		
	Algebraic geometry seminar, Stony Brook University, USA.	May	2019
52.	Geometry and Physics, Rutgers New Brunswick, USA.	April	2019
51.	Algebraic geometry seminar, Imperial College, UK.	November	2018
50.	Algebraic geometry seminar, University of Oxford, UK.	November	2018
49.	String Theory Seminar, University of Oxford, UK.	October	2018
48.	Mathematical seminar/interview, University of Oxford, UK.	May	2018
47.	Séminaire de Géométrie et Quantification, Institut Henri Poincaré, France.	May	2018
46.	Geometry seminar, University College London/King's College London, UK.	April	2018
45.	DAMPT & DPMMS seminar/interview, University of Cambridge, UK	March	2018
44.	Max Dehn Seminar, University of Utah, USA	January	2018
43.	GEAR seminar, University of Illinois at Urbana Champaign, USA.	November	2017
42.	Felix Klein seminar, University of Notre Dame, USA.	November	2017
41.	(×2) Geometry Seminar, ITS, Vienna, Austria.	October	2017
40.	Mathematical Physics Seminar, University of Heidelberg, Germany.	October	2017
39.	Higher Differential Geometry seminar, MPI, Bonn, Germany.	Oct.	2017
38.	Algebraic Geometry Seminar, FU Berlin, Germany.	July	2017
37.	Mathematical Physics Seminar, IPMU, Japan.	June	2017
36.	Topology Seminar, Northwestern University, USA.	May	2017
35.	Mathematical Physics Seminar, IMPA, Rio de Janeiro, Brazil.	February	2017
34.	Geometric Analysis Seminar, University of Chicago, USA.	January	2017
33.	Mathematical Physics Seminar, Perdue University, West Lafayette, USA.	January	2017
32.	Algebraic Geometry Seminar, University of Chicago, USA.	January	2017
31.	Geometry and Physics Seminar ($\times 2$), Northwestern University,	Spring	2017
30.	Algebraic Geometry Seminar, U. of Buenos Aires, Argentina. June	e 2012, May	2016
29.	Geometry Seminar, University of Texas at Austin, USA.	April	2016
28.	Geometry and Analysis Seminar, University of Oxford, UK.	January	2016

SEMINARS SINCE 2015

(22 BEFORE THEN)

=	 27. (×2) Geometry seminar, EPFL 26. Geometry, Topology and Analys 25. Differential Geometry Seminar, 24. Geometry Seminar, UNC at Ch 23. Geometry Seminar, University of 	is seminar, University of Sydney, Harvard University, USA. apel Hill, USA.	June 2015 Australia. May 2015 March 2015 January 2015 January 2015
SELECTED RESEARCH VISITS	 Mathematical Institute, University IHP, Paris, France (1+1+1 (Researched)) Mathematical Sciences Researched Freie Universität Berlin, German Simons Center for Geometry and IMPA, Rio de Janeiro, Brazil. (National University of Singapor 	search in pairs) months) n Institute (MSRI), Berkeley, USA ny. (2 +5 months) d Physics, Stony Brook, USA. (5 4.5 months)	2012, 2016, 2023 (6+6 months) 2019, 2022 2017, 2019
EDITORIAL BOARDS	 Editorial Board Member, G Guest Editor. SIGMA special Editorial Board. New Collect 	issue "Geometry and Physics of	· ·
UNIVERSITY AND DEPARTMENT SERVICE AT UIC	 Senator of the UIC Senate and Co-Organiser, Geometry, Topol Research Assistant Professor Se Admissions, Fellowships, Assistant Salary (× 1); Visitor (× 2); Fa 	ogy and Dynamics seminar. arch Committee (\times 5). antships committee (\times 5)	$since\ 2020$ $since\ 2016$ $2015-2020$ $2015-2019,\ 2021$ Club (× 1) . 2017-2018
OTHER PROFESSIONAL SERVICE ACTIVITIES	 Alexander von Humboldt F National Science Centre, Po Behavioural Science Reference NSF Reviewer (× 5). WMC SheSource Expert, for Co-Organizer of Research se MathSciNet Reviewer (acception) Admissions Interviewer. Mathematics Journal Reference Duke; & Israel J. Math; Commun. Math. Phys.; Int. J. Math. & PRE; PRIMS & Int. Math. R. Not.; 	oundation, external reviewer. bland, proposal reviewer. e: J. of Med.Int.Res.; Open Psy.J. or Women's Media Center (WMC) eminars, University of Heidelber, ot duties ~ 2 times per year). gdalen and St Peter's Colleges, O	since 2020 2020 ; since 2020 2016, 2017, 2019, 2021, 2022 . since 2017 g, Germany. 2012-2013 since 2014 xford. 2009-2011

University Large Class

TEACHING

University 2 TO 1 TEACHING Teaching

Assistantships

PROGRAMS & HIGH SCHOOL TEACHING

International

OUTREACH ACTIVITIES

University Instructor, University of Illinois at Chicago, USA

- Math 300: Writing for Mathematics. (×14) Spring 2020, 2022 & Fall 2020, 2021 • Math 215: Introduction to advanced mathematics. (×4) Fall 2015, 2016 & Spring 2018
- Math 596: Independent study. (×6) (graduate course) Fall 2015, 2016, 2017 & Spring 2017
- Math 547: Algebraic Topology I. (×1) (graduate course) Fall 2016
- Fall 2015 & Spring 2017 • Math 549: Differentiable Manifolds I. (×2) (graduate course)

University Instructor, University of Illinois at Urbana-Champaign, USA

• Fundamental Mathematics. Math 348 (×4) and Math 347 (×2)

College lectureship, University of Oxford, UK.

2010-2012

2013-2015

• 3D Calculus; Calculus of Variations; Linear Algebra I,II; Groups, Rings and Fields.

Class Tutor, Mathematical Institute, Oxford, UK.

2010

2020

2014

2013

• B9. Algebraic Number Theory (& Revision Classes).

Teaching Assistant, Mathematical Institute, University of Oxford.

2009-2010

• B9. Algebraic Number Theory; B3. Geometry of Surfaces; C9.1 Elliptic Curves.

Teaching Assistant, National University of La Plata, Argentina.

2006-2008

• Analysis (Mathematics dept.); Probabilities and Statistics (Engineering dept.).

- OPUS Tutor & WISC Tutor, University of Oxford Programs. 2010-2012
- CIE Tutor & Summer Lecturer, Center for International Education, Oxford. 2009-2011
- Junior Lecturer, Colegio Nacional Rafael Hernandez (High School) Argentina. 2007
- Tutor and Mentor online, *Tutor.com*, New York City, US. (through Latinhire). 2005-2008

• Organizer: Poetry evening with Ian Whybrow, All Souls college, UK. March 2023

- Panelist: Overcoming challenges for women in STEMM!, Oxford, UK. March 2023
- Panelist: Want more women in STEMM? Educate them Early!, Oxford, UK. March 2023
- Speaker: It All Adds Up, University of Oxford, UK. January 2023
- Speaker: Undergraduate summer workshop, (career talk) Notre Dame, USA. August 2022
- Panelist: NSF REU Women in Science and Technology panel, DePaul U., USA. July 2022
- Speaker: Harvard-MIT Math Tournament, (career talk) HMMT, USA. November 2021
- Reader: Guidepost Montessori, Nido & Toddler room Book reading. July & June 2021
- Speaker: UIC AWM Chapter, Stanford Math Organization, New College Oxford 2021
- Speaker: Stanford Women in Math Mentoring, UChicago Women in STEM club 2021
- Co-Organizer (w. James Unwin): SIDE MATH 2020
- Co-Organizer (w. James Unwin): 1st, 2nd, 3rd, 4th, 5th Sonia day at UIC, 2015-2019
- Connections for Women Panelist, MSRI, Berkeley, USA. 2019
- Volunteer: Sonia Maths day for Girls and UIUC GEMS program 2013-2015
- Co-Organizer (with Jayadev Athreya et al.) MoSAIC Festival, UIUC. 2014

• Panel speaker: Graduate College Career Development, UIUC, USA

• Teacher: Urbana High School & Garden Hills Elementary School.

IN THE MEDIA

- (×4) About Children Books Notices of the AMS, Illinois Conn.; Block Club Chicago; UIC Today. 2021-2022
- (× 5) About math life / women in math / activities 2019-2022 UIC Today; Wiaarkhu Magazine;: Interview for "2020 Lathisms"; Interview about organizing workshops at MFO, LaPlata1.com.
- (× 5) About Gossip spread A trust model for spreading of gossip, with Bhansali. 2019 ZAP.aeiou; UIC News; Phys.org; Tech Explorist; NewsWise.
- (×14) About Phone-Walkers behavioural study done with James Unwin. 2018

 The Atlantic; The Chicago Tribune; The Süddeutsche Zeitung; The Times of India;

 MIT Tech. Rev.; Cronica Global; The Week; Co-Design; UIC LAS; Workplace
 Insight; Nextbigwhat; Xuehua; Marketingoops Thailand; Cromo Uruguay.
- (×2) About projects I mentored. Business Wire, Kusi News. 2017
- (× 3) Sonia Kovalevsky Days with J. Unwin. 2016-2019 AWM Newsletter, 49 (5); UIC News; AWM Newsletter, 46 (6).
- (× 1) About Humboldt Fellowship awards to J. Unwin and myself. UIC Today. 2017
- (× 2) About workshops co-organized. SCGP News; AIMatters 2016.
- (× 3) About being top undergraduate student. La Nación, Clarín, El Día. 2009

Additional Experience

- Spanish: Native; English and French: Fluent; German: A2
- Choir Singer, Oratorio Society, UIUC, USA. 2013-2015
- Treasurer, Middle Common Room, New College, University of Oxford. 2010-2011
- Conference Assistant, and IT Assistant, New College, University of Oxford. 2010-2011

Work	60. Minimal surfaces and orthogonal Higgs bundles, with Ian McIntosh.	
IN PROGRESS (*= STUDENT)	59. Building a group, with Steve Rayan.	
(= STODENT)	$58.\ \textit{Differential operator aspects of branched SL-opers}, \ \text{with Indranil Biswas and Sebastian } \\$	Heller.
CHILDREN BOOKS	57. Ene and the Magic Steps: a scientific adventure, ISBN: 978-1-7370584-4-1, with Cecilia La Rosa (Illustrator).	2023
	56. The potential to inspire: Sonia Kovalevsky's journey to become a scientist. ISBN: 979-8-9859682-2-4.	2023
	55. Roku Raccoon's difficult day, ISBN: 979-8-9859682-4-8, with Martina Peškar-Rusznák (Illustrator).	2023
	54. Ene and the Magic Tree: a mathematical adventure, ISBN: 978-17370584-1-0, with Cecilia La Rosa (Illustrator).	2021
	53. Ene and the Magic Boxes: an odyssey through the world of artisans, ISBN: 978-17370584-5-8, with Cecilia La Rosa (Illustrator).	2021
MATHEMATICS VOLUMES	52. Writing for Mathematics, ISBN 979-8-7814575-9-5.	2021
& Books	51. Geometry and Physics of Hitchin Systems, edited with Lara B. Anderson Symmetry, Integrability and Geometry: Methods and Applications (SIGMA).	2019
	50. Geometry and Physics of Higgs Bundles, edited with Anderson, Hausel, Mazzeo Oberwolfach Reports, Vol. 16, N. 2, 2019, pp. 1357–1417 DOI: 10.4171/OWR/2019/23	2019
Preprints (*= student)	49. Animal Synchrony and agents' segregation, with Robin I.M. Dunbar and Sheryl Hsu*. ArXiv:2212.07505	2022
	48. Real slices of SL-opers, with Indranil Biswas and Sebastian Heller. ArXiv:2212.01695	2022
Publications (*= student)	47. Understanding Zillow's dataset via stock market indicators, with Varun Mittal*. Heliyon, Cell Press, to appear.	2023
	46. Correlations between COVID-19 and Dengue, with Paula Bergero and Grace Wang*. Nature Scientific Reports, volume 13, 1525 (2023).	2023
	45. Focus on a Scientist: Rafe Mazzeo, with Laura Fredrickson Emissary, MSRI Fall 2022.	2022
	44. Generalized Hyperpolygons and applications, ZAG's Handbook of MAG , CRC press.	2022
	43. The Power of Many: A Physarum Swarm Steiner Tree Algorithm, with Sheryl Hsu* and Fidel I. Schaposnik Massolo. Nature Scientific Reports, volume 12, 14536 (2022).	2022
	42. Cell fusion through slime mold network dynamics, with Sheryl Hsu*. Journal of the Royal Society Interface, J. R. Soc. Interface 19: 20220054.	2022
	41. Triality for homogeneous polynomials, with Sebastian Schulz*. SIGMA, 17 (2021), 079, 14 pages.	2021
	40. Branes and moduli spaces of Higgs bundles on smooth projective varieties. with Indranil Biswas and Sebastian Heller. Research in the Mathematical Science, Vol. 8, No. 52 (2021)	2021
	39. A modified age-structured SIR model for COVID-19 type viruses, with Vishaal Ram*. Nature Scientific Reports, 11, 15194 (2021).	2021
	38. On the generalized $SO(2n, \mathbb{C})$ -opers, with Indranil Biswas and Mengxue Yang*. Annals of Global Analysis and Geometry, 60, pages 539 – 557 (2021)	2021
	37. Advanced topics in gauge theory: geometry and physics of Higgs bundles. Park City Mathematics Series, Volume 28, pp. 201-252, 2021.	2021

36.	Entendiendo la P y el Intervalo de confianza 95, w/ Paula Caporal & Daniela Bozzacchi. Editorial Médica Panamericana, PROTIPED, pp.75-90; ISSN: 2362-3942.	2021
35.	What is a hyperpolygon, with Steve Rayan. Notices of the AMS, Vol. 68, N. 1, January 2021.	2021
34.	Moduli spaces of generalized hyperpolygons, with Steve Rayan. The Quarterly Journal of Mathematics, Vol 72 (2021), 1–25;.	2021
33.	Extrapolating continuous color emotions through deep learning, with Vishaal Ram*, and Konstantinou, Volkan, Papadatou-Pastou, Manav, Jonauskaite, Mohr. Physical Review Research, Vol. 2, No. 3, (2020).	2020
32.	Orthogonal Higgs bundles with singular spectral curves, with Bradlow and Branco*. Communications in Analysis and Geometry, Vol. 28, N. 8, 1895–1931, 2020.	2020
31.	Generalized B-opers, with Indranil Biswas and Mengxue Yang*. SIGMA 16 (2020), 041, 28 pages.	2020
30.	Minimal percolating sets for mutating infectious diseases, with Yuyuan Luo*. Physical Review Research , Vol. 2, No. 2 (2020).	2020
29.	Higgs bundles without geometry, with Steve Rayan. Snapshots of modern mathematics, DOI 10.14760/SNAP-2020-008-EN.	2020
28.	Higgs bundles – recent applications, Notices of the AMS, Vol. 67 No. 5 (May 2020)	2020
27.	A trust model for bootstrap percolation, with Rinni Bhansali*. Proc. R. Soc. A 476: 20190826 (2020).	2020
26.	Cayley and Langlands type correspondences for orthogonal Higgs bundles, with David Baraglia. Transactions of the AMS, Vol. 371, Num. 10 (2019) 41 pages.	2019
25.	A geometric approach to orthogonal Higgs bundles, European Journal of Mathematics, Vol. 4, Num. 4, pp 1390-1411 (2018).	2018
24.	Singular geometry and Higgs bundles in string theory, with L. B. Anderson, M. Esole and L. Fredrickson. SIGMA , 14 (2018), 037, 27 pages	2018
23.	Branes through finite group actions, with Sebastian Heller. Journal of Geometry and Physics, Vol. 129 (2018) 279-293.	2018
22.	Brauer group of Moduli of Higgs bundles and connections, with Baraglia and Biswas. A Festschrift in Honour of Nigel Hitchin, Vol. 2, Oxford University Press.	2018
21.	Modeling epidemics on d-cliqued graphs, with Anlin Zhang*. Letters in Biomathematics, Volume 5, Number 1 (2018), p. 49-69.	2018
20.	The phone walkers: A study of human dependance on inactive mobile devices, with James Unwin. Behaviour , (2018) Volume 155, Issue 5, p. 389 - 414.	2018
19.	On the geometry of regular icosahedral capsids containing disymmetrons, with K-S. Ang*. Journal of Structural Biology , Volume 197, Issue 3 (2017), p. 340-349.	2017
18.	T-Branes at Limits of Geometry, with L.B. Anderson, J.J. Heckman, and S. Katz. J. High Energ. Phys. (2017) 2017: 58.	2017
17.	An introduction to spectral data for Higgs bundles Lecture Note Series, IMS LNS Vol 65 (2017), 38 pages.	2017
16.	Monodromy of rank 2 twisted Hitchin systems and real character varieties, with David Baraglia. Transactions of the AMS , Vol. 370, Num. 8, (2018).	2017
15.	Automorphisms of \mathbb{C}^* moduli spaces associated to a Riemann surface, with David Baraglia and Indranil Biswas. SIGMA 12 (2016), 007, 14 pages.	2016
14.	Higgs bundles and exceptional isogenies, with Steve Bradlow. Res. Math. Sci. (2016) 3:14 DOI 10.1186/s40687-016-0062-0.	2016
13.	Interface control and snow crystal growth, with Jessica Li*. Phys. Rev. E , 93, 023302, 2016.	2016
12.	Real structures on moduli spaces of Higgs bundles, with David Baraglia. Adv. Theor. Math. Phys., Vol. 20, N. 3 (2016), 525-551.	2016

	11. Higgs bundles and applications.	2015
	Oberwolfach Reports, Report No. 31 (2015), 31-33.	
	10. Spectral data for $U(m,m)$ -Higgs bundles.	2015
	Int. Math. Res. Notices, Vol. 2015 no. 11.	
	9. Nonabelianization of Higgs bundles, with Nigel Hitchin.	2014
	J. Differential Geom. Volume 97, Number 1 (2014), 79-89.	
	8. Higgs bundles and (A, B, A) -branes, with David Baraglia.	2014
	Communications in Mathematical Physics, Vol. 331 No. 3.	
	7. Spectral data for G-Higgs bundles.	2013
	DPhil Thesis , University of Oxford, 170 p.	
	6. Monodromy of the SL_2 Hitchin fibration.	2013
	Int. J. Math. Vol. 24, 1350013 (2013)	
POPULAR PRESS	5. Working from Home. 4 Months and Still Counting, with A. Frabetti, V. Salnikov	2020
ARTICLES	<i>EMS Newsletter</i> , 9 (117), 38-41, September 2020.	
	4. Mathematics in the sea, with James Unwin. AWM Newsletter, Vol.49, No.6.	2019
	3. Sonia Kovalevsky Days, the potential to inspire, with James Unwin.	2019
	AWM Newsletter. Vol.49, No.5.	
	2. Bridges between worlds, from past to present.	2016
	AIMatters 2016, Newsletter of the American Institute of Mathematics.	
	1. Sonia Kovalevsky Days in Chicago, with J. Unwin. AWM Newsletter, Vol. 46, No.6.	2016