## Mihaela Ifrim

Contact Information	Department of Mathematics University of Wisconsin, Madison Van Vleck Hall, Office 711 Madison, Wisconsin, 53706 ifrim@wisc.edu webpage: https://people.math.wisc.edu/~ifrim/
Research Interests	Nonlinear Wave and Dispersive Equations, Fluid Mechanics & Harmonic Analysis.
Professional Appointments	• <i>Professor</i> , Department of Mathematics, University of Wisconsin, Madison, August 2024 - present
	• Associate Professor, Department of Mathematics, University of Wisconsin, Madison, August 2020 - July 2024
	• Clare Boothe Luce Assistant Professor, Department of Mathematics, University of Wisconsin, Madison, August 2017 - August 2020
	• <i>Simons Postdoctoral Scholar</i> - University of California at Berkeley, Department of Mathematics, January 2014 - August 2017
	• <i>Postdoctoral Fellow</i> - Canada Research Chair Postdoctoral Fellowship, McMaster University, Department of Mathematics and Statistics; Sept. 2012 - Dec. 2013
Education	<b>Ph.D. in Mathematics</b> , Department of Mathematics, University of California at Davis, CA, USA, 2012
	$\mathbf{M.S.},$ Institute of Mathematics Simion Stoilow of the Romanian Academy, Bucharest, Romania, 2006 - 2007
	<b>B.S.</b> , Faculty of Mathematics and Computer Science, University of Bucharest, Program: Advanced Studies Research Group, Bucharest, Romania, 2002 - 2006
Academic Visits	• <i>IHES semester in Dispersive PDEs</i> - organized by Frank Merle and Daniel Tataru, Research Visitor, France, May 1 - July 1, 2025
	• <i>Miller Visiting Professor</i> , Department of Mathematics, University of California, Berkeley, August 2023 - January 2024, (on sabbatical)
	• Simons Fellow, Department of Mathematics, University of California, Berkeley, January - July 2024, (on sabbatical)
	• Visiting Researcher, Department of Mathematics, University of California, Berkeley, January - July 2024, (on sabbatical)
	• Member of the Schrödinger Institute in Vienna, Program: "Nonlinear Waves and Relativity", April 29 - May 24, 2024
	• Research Visitor, University of Bergen, Norway, April 23 - 28, 2024
	• Research Visitor, Université Sorbonne , Laboratoire Jacques-Louis Lions, Jussieu, Paris, France, September 23 - October 11th, 2023
	<ul> <li>Simons Visiting Professorship for the one month reunion for the Mathematical Sciences Research Institute program "Mathematical problems is fluid dynamics", July 16th</li> <li>August 11 2023, Berkeley, California</li> </ul>

	• Simons Visiting Professorship for the duration of the Mathematical S Institute program "Mathematical problems is fluid dynamics", Janu Berkeley, California	Sciences Research ary - May 2021,
	• Visiting Scholar, Department of Mathematics, UC Berkeley, collabuary - May 2020, Berkeley, California	orative visit Jan-
	• University of Bonn collaborative visit, Mathematics Department, A 16 - 29, 2018 May 11 - 20, 2019, January 10 - 20, 2020, Bonn, Germa	april 1 - 30, June ny
	• ENS Cachan visiting Professor, collaborative visit May 1 - June 11,	2018, France
	• University of Paris Sud visiting Professor, Mathematics Departmetric visit, University of Paris-Sud Orsay, March 15 - 30, 2018, France	ent, collaborative
	• Visiting Member at Institut des Hautes Études Scientifiques (IHE Waves" trimester, May - July 2016	S) in "Nonlinear
	• Research Member at Mathematical Sciences Research Institute (MS	RI)
	$\sim$ New Challenges in PDE: Deterministic Dynamics and Random Infinite Dimensional Systems from August 17, 2015 - December 18	ness in High and 3, 2015
	$\sim~$ Mathematical General Relativity program, from October 1st to Nov	vember 31st, 2013
	• Research Member in Hausdorff Trimester Program: Harmonic Ana Differential Equations, Bonn, Germany, May 20 - August 22, 2014.	lysis and Partial
Honors and Awards	• Plenary Speaker at Conference on Mathematics of Wave Phenomena many, February 24 - 28th, 2025	, Karlsruhe, Ger-
	• NSF Award, DMS-2348908	2024 - 2027
	• 2024 DiPerna Lecture Speaker, UC Berkeley,	April 12, 2024
	• Invited Address at the Spring 2024 AMS Central Section Meeting of held at the University of Wisconsin - Milwaukee, April 20 - 21, 2024	the Society to be
	• <i>Plenary Speaker</i> at "Thirteenth Ohio River Analysis Meeting (ORAM of Kentucky in Lexington, KY, March 16 - 17th, 2024	I 13)", University
	• Visiting Miller Professorship Award, Miller Institute in Science, Univ nia Berkeley	versity of Califor- Fall 2023
	• Simons Fellows in Mathematics, Simons Foundation	Spring 2024
	• Sloan Research Fellowship, Alfred P. Sloan Foundation	2019 - 2021
	• NSF CAREER award, DMS-1845037	2019 - 2024
	• UW Madison 2018 Fall Research Competition Award	Deferred
	• Honored Instructor Award, University of Wisconsin-Madison	Fall 2018
	• Clare Luce Boothe Professorship	2017 - 2022
	• Hilldale Undergraduate/Faculty Research Fellowship,	2020 - 2021
	• Clay Mathematics Institute travel award for IHES Summer Scho Waves, Bures-sur-Yvette, France, July 18 - 29, 2016	ool on Non-linear
	• William Karl Schwarze Scholarship in Mathematics, Department	of Mathematics,

 $\mathbf{s},$ University of California at Davis, Spring 2010-for research and teaching achievements

• Alice Leung Scholarship in Mathematics, Department of Mathematics, University of California at Davis, Spring 2009 - for research achievements

• *Travel Awards*, Department of Mathematics, University of California at Davis, Fall 2010, Fall 2011

## PUBLICATIONS 1. Global solutions for 1D cubic defocusing dispersive equations, Part IV: general dispersion relations, M. Ifrim, and D. Tataru, https://arxiv.org/abs/2410.10052, (63 pages), submitted for publication, 2024

- 2. Nonlinear interpolation and the flow map for quasilinear equations, Thomas Alazard, Nicolas Burq, Mihaela Ifrim, Daniel Tataru, Claude Zuily, arxiv 2410.06909, submitted for publication, 2024
- Modified scattering for the three dimensional Maxwell-Dirac system, S. Herr, M. Ifrim, and M. Spitz, https://arxiv.org/abs/2406.02460, (62 pages), submitted for publication, 2024
- Global solutions for cubic quasilinear Schroedinger flows in two and higher dimensions, M. Ifrim, and D. Tataru, https://arxiv.org/abs/2404.09970, (56 pages), submitted for publication, 2024
- Book: Free Boundary Problems in Fluid Dynamics, Albert Ai, Thomas Alazard, Mihaela Ifrim, and Daniel Tataru, <u>Oberwolfach Seminars</u> vol. 54, Publisher: Birkhäuser Cham, DOI https://doi.org/10.1007/978-3-031-60452-2, XIV, (362 pages) eBook ISBN 978-3-031-60452-2, published: 18 June 2024
- The global well-posedness conjecture for 1D cubic dispersive equations, M. Ifrim and D. Tataru, accepted in Proceedings of the 2023 Abel Symposium "Partial Differential Equations: Waves, Nonlinearities and Nonlocalities, (23 pages), 2023
- Sharp Hadamard local well-posedness, enhanced uniqueness and pointwise continuation criterion for the incompressible free boundary Euler equations, M. Ifrim, B. Pineau, D. Tataru, and M. A. Taylor, https://arxiv.org/abs/2309.05625, (117 pages), submitted for publication, 2023
- Global solutions for 1D cubic dispersive equations, Part III: the quasilinear Schrödinger flow, M. Ifrim, and D. Tataru, https://arxiv.org/abs/2306.00570, (58 pages), submitted for publication
- The lifespan of small data solutions for Intermediate Long Wave equation (ILW), M. Ifrim, and J.-C. Saut, https://arxiv.org/abs/2305.05102, (42 pages), accepted in Comm, in PDE, 2024
- Long time solutions for 1D cubic dispersive equations, Part II: the focusing case, M. Ifrim, D. Tataru, Vietnam J. Math., Volume 52, pages 597–614, 2024
- Global solutions for 1D cubic defocusing dispersive equations: Part I, M. Ifrim, D. Tataru, Forum of Mathematics, Pi, Vol. 11, (43 pages), 2023
- 12. Testing by wave packets and modified scattering in nonlinear dispersive pde's, M. Ifrim, D. Tataru, **Trans. Amer. Math. Soc. Ser. B**, 11:164-214, 2024
- The time-like minimal surface equation in Minkowski space: low regularity solutions, A. Ai, M. Ifrim, and D. Tataru, Inventiones mathematicae, 235, 745–891, 2024

- The Benjamin-Ono approximation for 2D gravity water waves with constant vorticity, M. Ifrim, J. Rowan, D. Tataru, L. Wan, Ars Inveniendi Analytica, Paper No. 3, (32 pages), 2022
- No pure capillary solitary waves exist in 2D finite depth, M. Ifrim, B. Pineau, D. Tataru, & M. Taylor, SIAM J. Math. Anal., Vol. 54, No. 4, pp. 4452 4464, 2021
- Two dimensional gravity waves at low regularity II: Global solutions, A. Ai, M. Ifrim, D. Tataru, Ann. de l'Inst. H. Poincaré C Anal. Non Linéaire, 39(4), 819–884, 2022
- 17. Local well-posedness for quasilinear problems: a primer, M. Ifrim and D. Tataru, Bull. of the Amer. Math. Soc., Vol. 60, No 2, Pages 167–194, April 2023
- The relativistic Euler equations with a physical vacuum boundary: Hadamard local well-posedness, rough solutions, and continuation criterion, M. Disconzi, M. Ifrim, and D. Tataru, Arch. Ration. Mech. Anal., 245, 127–182, 2022
- The compressible Euler equations in a physical vacuum: a comprehensive Eulerian approach, M. Ifrim, D. Tataru, Ann. I. H.P. Anal. Non Linéaire, 41(2):405-495, 2024
- Almost global well-posedness for quasilinear strongly coupled wave-Klein-Gordon systems in two space dimensions, M. Ifrim, A. Stingo, <u>https://arxiv.org/abs/1910.12673</u>, (52 pages), under review, 2019
- Two dimensional gravity waves at low regularity I: Energy estimates, A. Ai, M. Ifrim, D. Tataru, <u>https://arxiv.org/abs/1910.05323</u>, (61 pages), accepted in Ann. de l'I.H.P., Anal. Non Linéaire.
- A Morawetz inequality for gravity-capillary water waves at low Bond number, T. Alazard, M. Ifrim, D. Tataru, Water Waves, 3(3):429-472, 2021
- Dispersive decay of small data solutions for the KdV equation, M. Ifrim, H. Koch, D. Tataru, Ann. Sci. de l'École Norm. Supérieure, (4), 56(6):1709-1746, 2023
- The NLS approximation for two dimensional deep gravity waves, M. Ifrim, D. Tataru, Sci. China Math, 62, no 6, 1101 - 1120, 2019
- No solitary waves in 2-d gravity and capillary waves in deep water, M. Ifrim, D. Tataru, Nonlinearity, 33, no. 10, 5457 – 5476, 2020
- A Morawetz inequality for water waves, T. Alazard, M. Ifrim, D. Tataru, Amer. J. Math, 144(3):607-699, 2022
- Well-posedness and dispersive decay of small data solutions for the Benjamin-Ono equation, M. Ifrim, D. Tataru, Annales scientifiques de l'ENS, 4 (52), no 2, 297 - 335, 2019
- Finite depth gravity water waves in holomorphic coordinates, B. Harrop-Griffiths, M. Ifrim, D. Tataru, Ann. PDE, 3, (102 pages), no 1, 2017
- Two dimensional gravity water waves with constant vorticity: I. Cubic lifespan, M. Ifrim, D. Tataru, Analysis & PDE, 12, no 4, 903 - 967, 2019
- The lifespan of small data solutions to the KP-I, B. Harrop-Griffiths, M. Ifrim, D. Tataru, Int. Math. Res. Not., no 1, 1 28, 2017

- The lifespan of small data solutions in two dimensional capillary water waves, M.Ifrim, D. Tataru, Arch. Ration. Mech. Anal., 225(3), 1279 - 1346, 2017
- Two dimensional water waves in holomorphic coordinates II: global solutions, M. Ifrim, D. Tataru, Bull. Soc. Math. France, 144, no 2, 369 - 394, 2016
- Global bounds for the cubic nonlinear Schrödinger equation (NLS) in one space dimension, M. Ifrim, D. Tataru, Nonlinearity 28, no. 8, 2661 - 2675, 2015
- Two dimensional water waves in holomorphic coordinates, J. K. Hunter, M. Ifrim, D. Tataru, Comm. Math. Phys., 346, no. 2, 483 - 552, 2016
- 35. A modified energy method proving enhanced lifespan of smooth solutions of a Burgers-Hilbert equation, J. K. Hunter, M. Ifrim, D. Tataru, D. T. Wang, Proceedings of the AMS, Vol. 143(8), pp. 3407 - 3412, 2015
- Enhanced lifespan of smooth solutions of a Burgers-Hilbert equation, J. K. Hunter, M. Ifrim, SIAM J. on Math. Anal., Vol 44(3), pp. 1279 - 2235, 2012
- A quasilinear Schrödinger equation, large amplitude inertial oscillations in a rotating shallow fluid, J. K. Hunter, M. Ifrim, IMA J. of Applied Mathematics, Vol. 78(4), pp. 762 - 776, 2013

## ACADEMIC SERVICE

## • Member of the AWM Research Symposium Organizing Committee

• Member of the 2024 NSF COMMITTEE OF VISITOR (CoV)

• Co-organizer with Jacek Jendrej (CNRS), Andrew Lawrie (MIT), Anne-Sophie de Suzzoni (Ecole Polytechnique) the *Nonlinear Dispersive Equations: Advances and Perspectives*, Luminy, **The Centre International de Rencontres Mathématiques** (CIRM), France, May 12 - 16 2025

• Co-organizer with Daniel Tataru of the Minisymposia *Recent methods in nonlinear dispersive waves*, Conference on Mathematics of Wave Phenomena, Karlsruhe, Feb 18 - 24, 2025

• Co-organizer with Daniel Tataru of the *Special Session on Nonlinear waves* at the **AMS Sectional Meeting in Milwaukee**, University of Wisconsin - Milwaukee, April 20 - 21, 2024

• Co-organizer of the one month research gathering: **MSRI** program 'Mathematical problems in fluid dynamics' during Summer 2023, July 17 - August 11 2023

• OVCRGE Research Committee member (served as a member of the award committee for the *Fall competition*, and *Villas research awards*), UW, Madison, 2020 - 2023

• Chair of Hilldale/Hosltrom Physical Sciences Award Committee, University of Wiscosnin - Madison, 2022 - 2023

• Co-organizer of the **BIRS** workshop **Women in nonlinear dispersive PDEs**, February 5 - February 10, 2022

• Co-organizer of the **Oberwolfach Seminar: Free Boundary Problems in Fluid Dynamics**, October 23 - October 30, 2022

• Invited speaker: Summer School 2022: Geometric dispersive PDEs, Obergurgl, Austria - September 25 - September 29 2022

• Co-organizer of the PDE Geometric Analysis seminar, Madison, 2021 - 2023

• Co-organizer of the **PDE VIRTUAL research seminar**, UC Berkeley - UW Madison, 2020 - 2023

• Co-organizer of the *Water waves and other interface problems seminar* during the **MSRI** program, January - May 2021

• Co-organizer of the **MSRI** program 'Mathematical problems in fluid dynamics' during Spring 2021: http://www.msri.org/programs/327

• Co-organizer of the **MSRI** conference 'Introductory Workshop: Mathematical problems in fluid dynamics' during Spring 2021: https://www.msri.org/workshops/945

• Co-organizer of the **MSRI** conference 'Recent Developments in Fluid Dynamics' during Spring 2021: https://www.msri.org/workshops/950

• Co-organizer of the Celebration of Women in Mathematics at MSRI, May 2021

• Co-organizer of the graduate summer school at **MSRI**: <u>Introduction to water waves</u>, 2020

• Co-organizer of the **AMS** Sectional: 'Nonlinear Dispersive Equations and Water Waves', University of Wisconsin, Madison, September 14 - 15, 2019

• Association for Women in Mathematics Mentor for the Joint Mathematics Meetings, San Diego, CA, January 10 - 13, 2018

• Co-organizer Putnam Club since 2017 - 2022. Chair of the Putnam Club in 2018-2019 when we ranked 14th nationwide. This was the best result obtained by UW Madison in the last 12 years.

• Plenary Speaker at Conference on Mathematics of Wave Phenomena, Karlsruhe, Germany, upcoming: February 24 - 28, 2025

RECENT PRESENTATIONS AND CONFERENCES

• Banff BIRS, "Nonlinear Water Waves: Rigorous Analysis and Scientific Computing (24w5207)", Canada, upcoming: October 27 - November 1, 2024

• Speaker in the Nonlinear Waves and Relativity, Woorkshop 1, Erwin Schrödinger International Institute for Mathematics and Physics (ESI) of the University of Vienna, Austria, May 13, 2024

• Analysis and PDE Seminar, Bergen University, Norway, April 25, 2024

• Research Visitor, University of Bergen, Norway, April 23 - 28, 2024

• Invited Address at the Spring 2024 AMS Central Section Meeting of the Society, University of Wisconsin - Milwaukee, April 20 - 21, 2024

• 2024 DiPerna Lecture Speaker, University of California at Berkeley, USA, April 12, 2024

• Plenary Speaker at Thirteenth Ohio River Analysis Meeting (ORAM 13), University of Kentucky in Lexington, KY, March 16 - 17, 2024

• Analysis and PDE Seminar, Stanford University, Palo Alto, USA, March 12, 2024

• Harmonic Analysis and PDE Seminar, University of California, Berkeley, USA, February 27, 2024

• Applied and Computational math zoom seminar, Florida State University, February 6, 2024

• Geometric and functional inequalities and applications, University of Connecticut, Berkeley, USA, January 22, 2024

• Analysis and PDE Seminar, University of California, Berkeley, USA, November 6, 2023

• Miller Visiting Professor speaker, Miller Institute, University of California at Berkeley, October 31, USA, 2023

• Mathematics and Physical Sciences Annual Meeting, Simons Foundation, New York, October 12 - 13, USA, 2023

• Mathematical Physics and Partial Differential Equations seminar, Université Sorbonne Paris Nord, Villetanneuse, Paris, France, October 10 2023

• Research Visitor, Université Sorbonne , Laboratoire Jacques-Louis Lions, Jussieu, Paris, France, September 23 - October 11 2023

• The Tenth Congress of Romanian Mathematicians, Piteşti, Romania, June 30 - July 5 2023 • MSRI program 'Mathematical problems in fluid dynamics' during Summer 2023, July 17 - August 11 2023

• Harmonic Analysis and Partial Differential Equations, Bonn, Germany May 28 - June 2 2023

• NCSU Differential Equations/Nonlinear Analysis Seminar, North Carolina State University, April 5 2023,

• Lead organizer: Banff BIRS Workshop: Women in nonlinear dispersive PDEs, Banff, Canada, February 5 - February 10 2023

• Oberwolfach Seminar : Free Boundary Problems in Fluid Dynamics, Oberwolfach, Germany, October 23 - October 29 2022

• Summer School: Geometric dispersive PDEs, invited lecturer, Obergurgl (Tirol), Austria, September 26 - October 1 2022

• Harmonic Analysis and Waves conference celebrating Hart Smith 60th birthday, University of Washington, Seattle, 10 August - August 12 2022

• Oberwolfach Workshop: Nonlinear Waves and Dispersive Equations, Oberwolfach, Germany, June 26 - July 2 2022

- Nonlinear PDEs in Fluid Dynamics, Luminy, France, May 2022
- Colloquium Berkeley, UC Berkeley, April 14 2022
- Virtual Analysis and PDE Seminar (VAPS), Columbia Univ., March 23 2022

• Shanks Workshop on Mathematical Aspects of Fluid Dynamics, one of the principal speakers, Vanderbilt University on February 19 - 20, 2022

- Joint Caltech-UCLA-USC Analysis and PDE Seminar, February 8 2022
- AMS sectional meeting, Creighton University in Omaha, Nebraska, October 9-10, 2021
- Brown PDE Seminar, virtual talk, Brown University, March 12 2021

• MSRI Seminar: Water Waves and Other Interface Problems, virtual talk, MSRI, Berkeley, CA, February 16 2021

• University College London and Imperial College joint seminar, virtual talk, February 12 2021

• Harmonic Analysis and Differential Equations Seminar, virtual talk, University of California, Berkeley, CA, December 1 2020

• PDE seminar, University of Rochester, virtual talk, October 16 2020

• *MU-MST Analysis Seminar*, Mathematics and Statistics Missouri S&T, virtual talk, October 23 2020

• Conservation laws and nonlinear wave equations at the AMS Fall Eastern Sectional Meeting, virtual talk, Pennsylvania State University, State College, PA, October 3 - 4 2020

• Shanghai PDE seminar, Shanghai, virtual talk, August 27 2020, deferred

• Oberwolfach Workshop: Nonlinear Waves and Dispersive Equations, Oberwolfach, Germany, May 24 - 30 2020 (rescheduled for 2022)

• Analysis & PDE, Stanford, virtual talk, CA, April 17 2020

• AMS Sectional Meeting, Evolution Equations and Applications, Vanderbilt University, Nashville, TENN, April 14 - 15 2020 (rescheduled for 2021)

• Analysis and PDE Seminar, University of California, Berkeley, CA, February, 2020

• Dynamics in Geometric Dispersive Equations and the Effects of Trapping, Scattering and Weak Turbulence, Banff International Research Station, Banff, Canada, February 2 - 7, 2020

- PDE Seminar, University of Bielefeld, Germany, January 17 2020
- PDE Seminar, University of Bonn, Germany, January 14 2020
- Cornell Colloquium, Cornell University, Ithaca, NYU, November 13 16 2019
- CAM Colloquium, Penn State University, University Park, PA, Nov 10 12 2019

• SCAPDE (Southern California Analysis and PDE) conference, University of California San Diego, San Diego, CA, November 2 - 3 2019

- PDE Seminar, Vanderbilt University, Nashville, TENN, October 17 20 2019
- Duke Colloquium, Duke University, Durham, NC, October 15 17 2019

• AMS Meeting Madison, Special Session on Wave Phenomena in Fluids and Relativity, Madison, Wisconsin, September 14 - 15 2019

• Oberwolfach Workshop: *Mathematical Theory of Water Waves*, Oberwolfach, Germany, July 14 - 20 2019

• Dispersive Wave and related topics conference in honour of Gilles Lebeau, Bergen, Norway, June 17 - 21 2019

 Nonlinear Dispersive Waves, Solitons and related topics, Mittag-Leffler, Sweden, June 10 - 14 2019

• Workshop on Nonlinear Dispersive Partial Differential Equations and Inverse Scattering, Fields Institute, Toronto, Canada, May 21 - 24 2019

• Follow-Up-Workshop to Trimester Program *Harmonic Analysis and PDE*, Hausdorff Institute, Bonn, Germany, May 6 - 10 2019

• 7th Midwest Women in Math Symposium, University of Iowa, April 11 - 13 2019

• Conference in the honour of Prof. Chemin: Les 60 ans de Jean-Yves Chemin, Institut Henri Poincaré, Paris, France, March 25 - 29 2019

- Analysis and PDE Seminar, University of California, Berkeley, March 4 2019
- PDE and Applied Math Seminar, University of California, Davis, March 1 2019

• Oberwolfach Workshop: Nonlinear Evolution Equations: Analysis and Numerics, Oberwolfach, Germany, February 3 - 9 2019

• Workshop on Recent Developments in Nonlinear Waves at University of Illinois at Chicago, Illinois, November 9 - 12 2018

• INdAM Meeting "Linear and Nonlinear Wave Phenomena: Stability, Propagation of Regularity and Turbulence", Cortona, Italy, September 10 - 14 2018

• Lund Workshop on Fluid Dynamics and Dispersive Equations, June 25 - 29 2018

	• Analyse asymptotique des équations aux dérivées partielles d'évolution, Florence, Italy, Mai 7 - 11 2018
	• PDE Seminar, University of Paris-Sud Orsay, March 29 2018
	• Joint Mathematics Meetings, San Diego Convention Center and Marriott Marquis San Diego Marina, San Diego, CA, January 10 - 13 2018
	• SIAM Conference on Analysis of Partial Differential Equations, The Baltimore Convention Center, Baltimore, Maryland, USA, December 9 - 12 2017
	• PDE Geometric Analysis seminar, University of Wisconsin, Madison, Sept. 11, 2017
	• CIRM: Asymptotic Analysis of Evolution Equations, Luminy, France July 3 - 7 2017
Graduate students	<ul> <li>Allison Byars, Univ. of Wisconsin, Madison.</li> <li>Lizhe Wan, Univ. of Wisconsin, Madison.</li> <li>Honging Huang, Univ. of Wisconsin, Madison.</li> </ul>
Departmental committees and other service	1. OVCRGE Research Committee member (served as a member of the award committee for the <i>Fall competition</i> , and <i>Villas Associates research awards</i> ), UW Madison, 2020 - 2023
	2. Hilldale/Hosltrom Physical Sciences Committee, Chair, UW Madison, 2022 - 2023
	3. Hilldale/Hosl trom Physical Sciences Committee member, UW Madison, 2019 - $2022$
	4. Hiring Committee, Department of Mathematics, UW Madison, during Fall of academic year 2020 - 2022
	5. Qual-Analysis committee, Department of Mathematics, UW Madison, 2020 - 2022
	6. Committee Continuing MA Advisors, UW, Madison, 2017 - 2023
	7. VISP-MA Program Committee: Advised 7 VISP students, UW Madison, 2018 - 2023
	8. Co-organizer Putnam Club: Putnam Club, Fall 2017 - present. Chair of the Putnam Club during 2018 - 2019; expanded Putnam program to Spring Semester.