

I. CURRICULUM VITÆ

AREA OF SPECIALIZATION: Nonlinear Hyperbolic Partial Differential Equations

Department of Mathematics & Statistics
University of Cyprus, P. O. Box 20537
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URL: <http://www.mas.ucy.ac.cy/~kleopatr/Home/>

• PERSONAL DATA

- Date of Birth: September 2, 1978
- Place of Birth: Alexandria, Egypt
- Citizenship: Greek-cypriot
- Marital Status: Married; one daughter and one son

• AREA OF SPECIALIZATION AND RESEARCH INTERESTS

Nonlinear Hyperbolic Partial Differential Equations: Hyperbolic conservation laws, viscous limits to balance laws with dissipative source, nonlocal terms and relaxation limits; convergence rates and decay estimates; continuous dependence of weak solutions on parameters; multidimensional Riemann problems and shock reflection phenomena described by mixed-type problems; isometric immersions with fluid dynamic techniques; relative entropy method; measure-valued solutions; thermoelasticity; granular flow; Euler-type flocking model.

• ACADEMIC CAREER

- Associate Professor, Department of Mathematics and Statistics, University of Cyprus (2018–present).
- Assistant Professor, Department of Mathematics and Statistics, University of Cyprus (2012–2017).
- Lecturer, Department of Mathematics and Statistics, University of Cyprus (2008–2012).
- Assistant Professor, Department of Mathematics, University of Houston, Houston, Texas, USA (2007–2008).
- Ralph Boas Assistant Professor, Department of Mathematics, Northwestern University, Evanston, Illinois, USA (2004–2007).
- Visiting Teaching Professor, Department of Mathematics, Brown University, Providence, RI, USA (July 2004).

- EDUCATION

- Brown University, Department of Mathematics, USA.
Ph.D. in Mathematics (2004).
Thesis title “Hyperbolic Systems of Balance Laws via Vanishing Viscosity”.
Thesis advisor: Constantine M. Dafermos.
M.Sc. in Mathematics (2002).
- University of Cyprus, Department of Mathematics & Statistics, Cyprus
B. Sc. in Mathematics (2000) – with honors.

- PUBLICATIONS

- A. Articles in refereed journals**

- [1] F. ANCONA, L. CARAVENNA AND C. CHRISTOFOROU, Exponential stability of large BV solutions in a model of granular flow, (2022), *Preprint*. arXiv: 2205.06174 (*submitted*) 57 pages.
 - [2] D. AMADORI AND C. CHRISTOFOROU, BV solutions for a hydrodynamic model of flocking–type with all-to-all interaction kernel, *to appear in, Math Methods Model. Appl. Sci.* (2022), 54 pages, doi: 10.1142/S0218202522500543.
 - [3] C. CHRISTOFOROU, The relative entropy method for inhomogeneous systems of balance laws, *Quarterly of Applied Mathematics*, **79** (2021), no. 2, 201–227.
 - [4] C. CHRISTOFOROU M. GALANOPOULOU AND A. TZAVARAS, A discrete variational scheme for isentropic processes in polyconvex thermoelasticity, *Calc. Var. Partial Differential Equations* **59** (2020), no. 4, 34 pp.
 - [5] C. CHRISTOFOROU M. GALANOPOULOU AND A. TZAVARAS, Measure-valued solutions for the equations of polyconvex adiabatic thermoelasticity, *Discrete & Continuous Dynamical Systems - A* **39** (2019), (11), 6175–6206.
 - [6] C. CHRISTOFOROU M. GALANOPOULOU AND A. TZAVARAS, A symmetrizable extension of polyconvex thermoelasticity and applications to zero-viscosity limits and weak–strong uniqueness, *Comm. in Part. Diff. Eqs.*, **43** (2018), (7), 1019–1050.
 - [7] C. CHRISTOFOROU AND A. TZAVARAS, Relative entropy for hyperbolic-parabolic systems and application to the constitutive theory of thermoviscoelasticity, *Arch. Ration. Mech. Anal.*, **229** (2018), no. 1, 1–52.
 - [8] C. CHRISTOFOROU, A remark on the Glimm scheme for inhomogeneous hyperbolic systems of balance laws, *J. Hyperbolic Differ. Equ.*, **12** (2015), (4), 787–797.
 - [9] C. CHRISTOFOROU AND M. SLEMROD, Isometric immersions via compensated compactness for slowly decaying negative Gauss curvature and rough data *Z. Angew. Math. Phys.* **66** (2015), (6), 3109–3122.
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- [10] C. CHRISTOFOROU AND L. V. SPINOLO, Boundary layers for self-similar viscous approximations of nonlinear hyperbolic systems, *Quart. Appl. Math.* **71** (2013), (3), 433–453.
- [11] C. CHRISTOFOROU AND K. TRIVISA, Decay of positive waves of hyperbolic conservation laws, *Acta Math. Sci. Ser. B (Engl. Ed.)* **32** (2012), (1), 352–366.
- [12] C. CHRISTOFOROU, BV weak solutions to Gauss-Codazzi system for isometric immersions, *J. Differential Equations* **252** (2012), (3), 2845–2863.
- [13] C. CHRISTOFOROU AND K. TRIVISA, Rate of convergence for vanishing viscosity approximations to hyperbolic balance laws, *SIAM J. Math. Anal.*, **43** (2011), (5), 2307–2336.
- [14] C. CHRISTOFOROU AND L. V. SPINOLO, A uniqueness criterion for viscous limits of boundary Riemann problems, *J. Hyperbolic Differ. Equ.* **8** (2011), (3), 507–544.
- [15] J. CHEN, C. CHRISTOFOROU AND K. JEGDIĆ, Existence and uniqueness analysis of a detached shock for the potential flow, *Nonlinear Anal.* **74** (2011), (3), 705–720.
- [16] C. CHRISTOFOROU AND K. TRIVISA, Sharp decay estimates for hyperbolic balance laws, *J. Differential Equations*, **247** (2009), (2), 401–423.
- [17] G. Q. CHEN, C. CHRISTOFOROU AND Y. ZHANG, Continuous dependence of entropy solutions to the Euler equations on the adiabatic exponent and Mach number, *Arch. Ration. Mech. Anal.* **189** (2008), (1), 97–130.
- [18] G. Q. CHEN, C. CHRISTOFOROU AND Y. ZHANG, Dependence of entropy solutions in the large for the Euler equations on nonlinear flux functions, *Indiana Univ. Math. J.* **56** (2007), (5), 2535–2567.
- [19] G. Q. CHEN, AND C. CHRISTOFOROU, Solutions for a nonlocal conservation law with fading memory, *Proc. Amer. Math. Soc.* **135** (2007), (12), 3905–3915.
- [20] C. CHRISTOFOROU, Systems of hyperbolic conservation laws with memory, *J. Hyperbolic Differ. Equ.* **4** (2007), (3), 435–478.
- [21] C. CHRISTOFOROU, Uniqueness and sharp estimates on solutions to hyperbolic systems with dissipative source, *Comm. Partial Differential Equations* **31** (2006), (10–12), 1825–1839.
- [22] C. CHRISTOFOROU, Hyperbolic balance laws via vanishing viscosity, *J. Differential Equations* **221** (2006), (2), 470–541.
- [23] C. CHRISTOFOROU, Hyperbolic balance laws via vanishing viscosity, Thesis (Ph.D.)–Brown University. 2004. 112 pp. ISBN: 978-0496-81492-3

B. Refereed Articles and Chapters in Books and Proceedings

- [1] F. ANCONA, L. CARAVENNA AND C. CHRISTOFOROU, On L^1 -stability of BV solutions for a model of granular flow *Hyperbolic Problems: Theory, Numerics and Applications, Proceedings of the XVII International Conference on Hyperbolic Problems*, Eds: A. Bressan, M. Lewicka, D. Wang and Y. Zheng, AIMS Series on Applied Mathematics Vol. **10**, (2020) 239–247. ISBN-10: 1-60133-023-5.
- [2] C. CHRISTOFOROU AND A. TZAVARAS, On The relative entropy method for hyperbolic-parabolic systems, Theory, numerics and applications of hyperbolic problems. I, 363–374. *Springer Proc. Math. Stat.*, 236, Springer, Cham, 2018.
- [3] C. CHRISTOFOROU, “Isometric Immersions via Continuum Mechanics”, Chapter in *Partial Differential Equations: Ambitious Mathematics for Real-Life Applications*, Eds D. Donatelli and C. Simeoni, *SEMA SIMAI Springer Series*, Springer, preprint 2016. 29 pages.
- [4] C. CHRISTOFOROU, “On hyperbolic balance laws and applications”, Chapter V of *Innovative Algorithms and Analysis*, 141–166. Eds L. Gosse and R. Natalini, *Springer INdAM Series 16*, Springer International Publishing, 2017.
- [5] C. CHRISTOFOROU AND M. SLEMROD, On the decay rate of the Gauss curvature for isometric immersions, *Bulletin of the Braz. Math. Soc., (N.S.)*, **47** (2016), (1), 255–265.
- [6] C. CHRISTOFOROU AND L. V. SPINOLO, On the physical and the self-similar viscous approximation of a boundary Riemann problem, *Riv. Mat. Univ. Parma (N.S.)*, **3** (2012), (1), 41–54.
- [7] J. CHEN, C. CHRISTOFOROU AND K. JEGDIĆ, Rarefaction wave interaction for the unsteady transonic small disturbance equations, *Proceedings of The 15th American Conference on Applied Mathematics*, ISBN: 978-960-474-071-0, ISSN: 1790-5117, University of Houston–Downtown, Houston, TX (2009), 211–216.
- [8] C. CHRISTOFOROU AND L. V. SPINOLO, On the self-similar zero-viscosity limit for a boundary Riemann problem, *preprint at Scuola Normale Superiore di Pisa*, (2009).
- [9] C. CHRISTOFOROU, A survey on the L^1 comparison of entropy weak solutions to Euler equations in the large with respect to physical parameters. *Hyperbolic problems: theory, numerics and applications*, 227–242, *Proc. Sympos. Appl. Math.*, **67**, Part 1, *Amer. Math. Soc.*, Providence, RI, 2009.
- [10] C. CHRISTOFOROU, The initial-boundary Riemann problem and the time-variant vanishing viscosity method, *Workshop Hyperbolic Conservation Laws, Mathematisches Forschungsinstitut Oberwolfach Oberwolfach*, In Dafermos, C. M., Kroner, D., & LeVeque, R. (Eds.), Germany December 2008, Report 56/2008, 3153–3156.
- [11] C. CHRISTOFOROU, Non-local conservation laws with memory. *Hyperbolic problems: theory, numerics and applications*, 381–388, Springer, Berlin, 2008.
- [12] C. CHRISTOFOROU, Hyperbolic conservation laws with fading memory, *Proceedings of Women in Mathematics: The Legacy of Ladyzhenskaya and Oleinik workshop* May 18–20, 2006, Mathematical Sciences Research Institute (MSRI) Publications, (2006).

C. Work In Progress

- [1] D. AMADORI AND C. CHRISTOFOROU, Unconditional flocking for weak solutions to self-organized systems of Euler-type with all-to-all interaction kernel, *In Preparation*. (2022)
- [2] C. CHRISTOFOROU, Stability of negatively curved corrugated isometric immersions, *In Preparation*. (2022)

- RESEARCH GRANTS, AWARDS AND HONORS

- GNAMPA-INdAM Visiting Professor in 2022.
- Internal Grant, University of Cyprus, *Hyperbolic Systems of Balance Laws in Continuum Mechanics and Geometry* (SBLawsMechGeom). Award Amount: EUR 38,000. Period: December 2016– December 2018. (PI).
The funded proposal was ranked by external reviewers as top third in UCY and top first in the PI's department.
- H2020-MSCA-ITN-2014 *Modelling and Computation of Shocks and Interfaces* (ModCompShock). Coordinator: University of Sussex. Team member of FORTH in Crete and Member of the Supervisory and Training Committee, <http://modcompshock.eu/> Project ID: 642768. Total Cost: EUR 3 918 484,14. Period: October 2015–September 2019.
- GNAMPA-INdAM Visiting Professor in 2015.
- Start-Up Fund, University of Cyprus. *Hyperbolic Conservation laws and Applications*. Award Amount: EUR 19,000. Duration: 2010–2012. (PI)
- US National Science Foundation Award: Applied Mathematics. *Hyperbolic Systems of Conservation Laws and Applications*. Award amount: 80,098 USD. Period: July, 2007–June 2010. (PI)
- Texas Advance Research Program. *Multidimensional Conservation Laws: Training and Dissemination*. Grant amount: 42,000 USD. Period: May 2008–May 2009. (PI)
- Kappa Delta Professor of the month, Northwestern University. *Professor of the Month of February, 2007*.
- Travel grant awarded by Association for Women in Mathematics, July 2006.
- Travel grant for women researchers awarded by National Science Foundation and Association for Women in Mathematics, Fall 2004.
- Outstanding Teaching Prize. Brown University, November 2003. *Awarded in recognition of especially fine teaching by graduate student*.
- University of Cyprus. *State prize from Republic of Cyprus to the top graduate*, July 2000.
- University of Cyprus. *Award for academic excellence*, June 2000.

• ORGANIZATION OF WORKSHOPS AND SEMINARS

- Co-organizer of the Workshop: “New Trends and Emerging Techniques in Compressible Fluid Dynamics”, taking place at the Institute for Advanced Study in Mathematics (IASM) Hangzhou in 2023 (08/27/2023 to 09/01/2023). - Banff International Research Station. (Hybrid).
Co-organizing with: JUHI JANG from USC, MOON-JIN KANG from KAIST and ALEXIS VASSEUR from UT-Austin.
- Co-organizer of the 17th Panhellenic Conference in Mathematical Analysis taking place at Univ. of Cyprus in September 2022.
- Co-Organizer of the Minisymposium with title “Entropy methods for multi-dimensional systems in mechanics” at ICIAM, 2019. (with A. Tzavaras).
- Organization of The First Workshop to highschool students on the orientation and encouragement of studying Mathematics and Statistics and the potential career expectations. November 2019. Topic: “Why Mathematics and Statistics”. Location: The campus of University of Cyprus.
- Co-organizer of the Contemporary Aspects of Analysis II, Protaras, Cyprus, May 6-12 2019.
- Co-organizer of a minisymposium with title SIAM Analysis of PDEs, December 2017. (with K. Trivisa)
- Organization of the workshop “New Trends in Nonlinear PDEs”, University of Cyprus, May 19, 2017.
- Organization of the public lecture “What is Applied Mathematics?” by Prof. Constantine Dafermos at University of Cyprus, December 2016.
- Organization of a special session at the Joint Mathematics Meeting, Washington, DC, January 5–8, 2009 on “Nonlinear Partial differential Equations and Applications”. Co-organized with Prof. Gui-Qiang Chen.
- Organization of a special session at the AMS Central Meeting, DePaul University, Chicago, October 2007. Co-organized with Prof. Gui-Qiang Chen.
- Co-organizer of the “Third Chicago Area PDE Workshop”, Northwestern University, Evanston, IL, February 25, 2006.

• CONFERENCE AND SEMINAR PRESENTATIONS

- First Workshop of Greek Women in Mathematics, (GWM), July 11–12, 2022. Plenary speaker.
- Second Congress of Greek Mathematicians, SCGM-2022, July 4–8, 2022.
- XVIII International Conference on Hyperbolic Problems, Theory, Numerics, Applications, HYP2022, June 20–24, 2022. Malaga, Spain. Hybrid.
- INdAM Workshop, Present Research Trends in Conservation Laws, Rome, Sept. 08–10, 2021.

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- Virtual Summer school on Kinetic and fluid equations for collective dynamics, August 23-26, 2021. France-Korea International Research Laboratory in Mathematics.
 - HYP2020/21 DAY, International Conference on Hyperbolic Problems, Theory, Numerics and Applications. July 2, 2021. Virtually only.
 - International Workshop: Advances and Challenges in Hyperbolic Conservation Laws, Virtually only. Invited Speaker, ICERM, Providence, RI, May 17– 21, 2021
 - 22nd Pancyprrian Conference of Mathematical Education and Science, Plenary Speaker, Cyprus, 8 February 2020.
 - SIAM APDE Conference, La Quinta Dec. 10–14, 2019.
 - ITN Workshop on Shocks and Interfaces, Invited Speaker, Oxford July 3-5, 2019.
 - Nonlinear Partial Differential Equations in the Applied Sciences KAUST, November 28–29, 2018.
 - XVII International Conference on Hyperbolic Problems Theory, Numerics, Applications, Penn State, June 25-29, 2018.
 - “Women in Applied and Computational Mathematics”, Plenary Speaker, University of L’Aquila, Italy, May 9 -11, 2018.
 - PDE Seminar, Brown University, December 6, 2017.
 - Summer School in Nonlinear Partial Differential Equations, Invited Speaker, National Technical University of Athens ,Athens, June 20—24 2017.
 - International Conference in Analysis “Contemporary Aspects of Analysis”, Protaras, May 1–5, 2017.
 - XVI International Conference on Hyperbolic Problems: Theory, Numerics and Applications, Title: “On the Relative Entropy Method”, August 1-5, 2016, Aachen, Germany.
 - INdAM Workshop on Innovative Algorithms and Analysis. Invited speaker. Title: “Corrugated Isometric Immersions”, May 16-21, 2016, Rome Italy.
 - Kick-off Meeting of Modelling and Computation of Shocks and Interfaces at University of Sussex, Brighton, UK, Jan.15–16, 2016. (Invited Speaker).
 - AMS-EMS-SPM meeting in Porto, Portugal. Invited talk at the Special Session: Partial Differential Equations: ambitious mathematics for real-life applications. June 10-13, 2015.
 - Invited Speaker at the Seminar. May 20, 2015, University di Padova, Italy.
 - Invited Speaker at the Analysis Seminar, February 4, 2015, KAUST, Saudi Arabia.
 - XV International Conference on Hyperbolic Problems: Theory, Numerics and Applications, Title: “ON THE DECAY RATE OF THE GAUSS CURVATURE FOR ISOMETRIC EMBEDDINGS”, July 28-Aug. 1, 2014, Rio de Janeiro, Brazil.
 - Workshop on Analysis of PDEs: Theory, Methods and Applications. Invited speaker. Title: “The Isometric Embedding Problem in \mathbb{R}^3 of complete two-dimensional Riemannian

- manifolds with slowly decaying negative Gauss curvature”, June 29–July 3, 2014, Protaras, Cyprus.
- Invited Speaker at the Analysis Seminar, Feb. 10, 2014, Weizmann Institute, Israel.
 - International Conference in Applied Mathematics, Invited speaker at the minisymposium. September 16–20, 2013 at Heraklion, Crete.
 - IUTAM Symposium 2013: Nonlinear interfacial wave phenomena from the micro to the macro-scale. April 14–18, 2013 at Limassol, Cyprus.
 - OxpDE Lunchtime Seminar. May 15, 2013, at Mathematical Institute, Oxford University.
 - SIAM Conference on Analysis of PDEs, Invited at the Minisymposium “Mixed-Type and Free Boundary Problems”, San Diego, Nov 14–17, 2011.
 - Conference: “Ninth meeting on Hyperbolic Conservation Laws, Fluid Dynamics and Transport Equations: Recent results and Research perspectives” at SISSA, Trieste, Italy, July 18–July 22, 2011. Invited talk.
 - “Continuum and Kinetic Methods in the theory of shocks, fronts and interfaces”, University of Crete and ACMAC, Heraklion, Crete, June 20–24, 2011. Invited Lecture.
 - Workshop on “Evolution, Partial Differential Equations and Applications”, University of Cyprus, June 8, 2011. Invited talk.
 - Conference on “Hyperbolic Conservation Laws and Continuum Mechanics”, Brown University, Providence, RI, May 12–14, 2011. In honor of Constantine Dafermos 70th birthday.
 - “Women in Applied Mathematics”, University of Crete and ACMAC, Heraklion, Crete, May 2–5, 2011. Invited Lecture.
 - PDE Seminar, Brown University, March 2011.
 - Cyprus Mathematical Society Conference, Pafos, Cyprus February 4–6, 2011. Invited Lecture.
 - Workshop on “Hyperbolic Conservation Laws” at Mathematisches Forschungsinstitut Oberwolfach, Germany, December 7–12, 2008.
 - Participation at Hybrid Techniques Electronic Solutions (HyTES). Seminars by Dr. J. Morgan, June 23–26, 2008.
 - Twelfth International Conference on Hyperbolic Problems: Theory, Numerics, Applications, University of Maryland, College Park, MD, June 9–13, 2008. Invited Lecture.
 - AMS Spring 2008 Central Section Meeting of AMS in Bloomington, IN, April 4–6, 2008. Invited talk at special session.
 - Colloquium, Rice University, Houston, TX, - March 30, 2008.
 - Graduate Student Seminar, University of Houston, Houston, TX, March 14, 2008.
 - PDE Seminar, University of Houston, Houston, TX, September 2007.

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- PDE Seminar, Northwestern University, Evanston, IL, November 9, 2006.
 - Workshop on “Hyperbolic Systems of Conservation Laws and Related Problems”, Banff International Research Station, Canada, October 28– November 2, 2006.
 - Eleventh International Conference on Hyperbolic Problems Theory, Numerics, Applications, Lyon, France, July 17–21, 2006. Talk at a special session.
 - SIAM Conference on Analysis of Partial Differential Equations and SIAM Annual Meeting, Boston, MA, July 2006. Invited talk at special session.
 - Invited talk at the AWM Workshop - SIAM Annual Meeting, Boston, MA, July 2006.
 - Invited Lecture series, Fudan Summer School on “Analysis of Nonlinear Partial Differential Equations”, Fudan University, Shanghai, China, June 15– July 1, 2006.
 - Conference on “Recent Advances in Nonlinear Partial Differential Equations and Applications”. A workshop in honor of Peter D. Lax and Louis Nirenberg, Toledo, Spain, June 7–10, 2006.
 - Women in Mathematics: The Legacy of Ladyzhenskaya and Oleinik, Mathematical Sciences Research Institute (MSRI), Berkeley, CA, May 18–20, 2006.
 - Excellence in Teaching Mathematics and Science, Second Symposium, Loyola University, Chicago, IL, March 10, 2006.
 - FRG Workshop on Multi-dimensional Hyperbolic Conservation Laws, University of Houston, Houston, TX, March 1–5, 2006. Invited talk.
 - Invited Lecture series, Fudan University, Shanghai, China, December 14–18, 2005.
 - PDE Seminar, University of Chicago, IL, October 12, 2005.
 - International Conference on “Stochastic Analysis and Partial Differential Equations”, Northwestern University, Evanston, IL, June 26–30, 2005.
 - FRG Workshop on “Multi-dimensional Hyperbolic Conservation Laws”, University of Wisconsin, Madison, WI, June 8–12, 2005.
 - PDE Seminar, University of Wisconsin–Madison, WI, April 22, 2005.
 - AIM Stiff Sources and Numerical Methods for Conservation Laws, Palo Alto, CA, April 4–8, 2005.
 - PDE Seminar, University of Maryland, College Park, MD, February 24, 2005.
 - Applied Analysis Seminar, University of Pittsburgh, Pittsburgh, PA, February 10, 2005.
 - SIAM Conference on Analysis of Partial Differential Equations (PD04), Houston, TX, December 6–8, 2004. Talk at a special session.
 - PDE Seminar, Northwestern University, Evanston, IL, November 4, 2004.
 - Workshop on Multi-Dimensional Euler Equations & Conservation Laws, University of Pittsburgh, Pittsburgh, PA, November 2003.
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- Summer School on Hyperbolic Systems of Balance Laws, C.I.M.E, Centrarò (Cosenza), Italy, July 2003.
 - Nonlinear Hyperbolic Waves in Phase Dynamics and Astrophysics Workshop, Isaac Newton Institute for Mathematical Sciences, Cambridge, UK, March 2003.
 - Conference in Continuum Mechanics and Conservation Laws, Brown University, RI, April 2001.

 - SERVICE TO THE PROFESSION
 - Elected Officer of the Activity Group Analysis of Partial Differential Equations (SIAG/APDE) of SIAM for two years period: Jan. 2019 to Dec. 2020.
My role: Secretary.
During this service, the monthly SIAM Webinar was launched.
 - Committee Member for evaluation of hiring academic personnel in Greece (via APELLA system). 2021-present.
 - Panelist for proposal reviews at the US National Science Foundation in 2008, 2010 and 2011.
 - President in “Cyprus National Committee for Mathematics” at International Mathematical Union (IMU), 2019–present.
 - Regular referee for a wide variety of journals including: Communications in Pure and Applied Analysis, Indiana University Journal of Mathematics, Journal of Differential Equations, Journal of Hyperbolic Differential Equations, Nonlinear Analysis Series B: Real World Applications, Nonlinearity, Quarterly of Applied Mathematics, SIAM Journal of Mathematical Analysis, etc.
 - Reviewer for Mathematical Reviews (MR at [MathSciNet](#))
 - Public lectures to secondary school teachers regarding the student weaknesses in mathematics.

 - MEMBERSHIP
 - American Mathematical Society (AMS).
 - Society for Industrial and Applied Mathematics (SIAM).
 - European Women in Mathematics (EWM).
 - Greek Women in Mathematics (GWM).
 - Cyprus Mathematical Society (CMS).

 - EDITORIAL ACTIVITY
 - Communications in Mathematical Analysis and Applications (CMAA) (Associate Editor).
To be launched in 2022.
Publisher: Global Science Press
 - Mathematics MDPI- Open access journal. (Topics Editor)
Country: Switzerland
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• ADVISING

- SUPERVISION OF POSTDOCTORAL FELLOWS
 - Christos Sourdis, Postdoctoral Fellow, Fall 2013
University of Cyprus
 - Jun Chen, Postdoctoral Fellow, 2008
University of Houston
- SUPERVISION OF PHD STUDENTS:
 - Myrto Galanopoulou (2016–Dec. 2020).
Title: “*On The Structure of the Equations of Polyconvex Thermoelasticity*”
KAUST, Saudi Arabia (co-advising with A. TZAVARAS)
Current Placement: Postdoc at Heriot-Watt University, Edinburgh.
- SUPERVISION OF MASTER’S STUDENTS:
 - Loizos Kosmas (M.Sc. Dec 2021).
Title: “*The Front Tracking Method for Hyperbolic Systems of Conservation Laws*”
University of Cyprus
 - Konstantinos Tsioutis (M.Sc. June 2018).
Title: “*Invariant Manifolds and their applications in viscous wave fans for systems of conservation laws*”
University of Cyprus
 - Maria Ioanna Komodromou (M.Sc. May 2016).
Title: “*Classical Solutions for Hyperbolic Conservation Laws and the Riemann Problem*”
University of Cyprus
 - Christiana Tychala (M.Sc. December 2016).
Title: “*Entropy Weak Solutions for Scalar Hyperbolic conservation Laws in Multi-d and the L^1 Theory*”
University of Cyprus
- MEMBER OF PHD THESIS EXAMINATION COMMITTEE
 - Andreas Vikelis (Defended June 2022)
University of Sussex, UK
 - Audun Reigstad (Defended February 2021)
NTNU, Norway
 - Ioakim Xenakis (Defended May 2014)
University of Cyprus
- MEMBER OF MASTER THESIS EXAMINATION COMMITTEE
 - Andrea Nikoletti (M.Sc. Dec 2021)
University of Cyprus
 - Georgiana Hadjigeorgiou (M.Sc. Dec 2015)
University of Cyprus
 - Mariliza Demetriou (M.Sc. May 2013)
University of Cyprus

• ADMINISTRATIVE WORK

- Dept. representative at the Faculty Board of Pure and Applied Sciences at UCY.
2019, 2021–present.
- Member in Department’s Publishing Committee for Department of Mathematics and Statistics, University of Cyprus.
Fall 2018, Spring 2021 and Fall 2021.
- Coordinator of the application process of Cyprus to become member of IMU.
2019.
- Co-organizer of MathClub at UCY. (Co-organize seminar talks and other events primarily for the undergraduate students majoring in math and statistics).
2017–present.
- Departmental Supervisor of the Library for the Department of Mathematics and Statistics, University of Cyprus.
Spring 2013, Spring 2017, Fall 2018, Spring 2021 and Fall 2021.
- Coordinator of the Undergraduate Committee of the Department of Mathematics and Statistics, University of Cyprus.
Spring 2019, Fall 2019
- Member of the Undergraduate Committee of the Department of Mathematics and Statistics, University of Cyprus.
2015–2017, Fall 2017
- Departmental Coordinator of the Erasmus Program, Department of Mathematics and Statistics, University of Cyprus.
2009–2010, 2015–2017, 2021
- Member of the Committee for the reconstruction of the curriculum of the undergraduate (first year) courses, Department of Mathematics and Statistics, University of Cyprus.
2014–2015
- Qualifying Exams in PDEs for PhD candidates.
2008–2010, 2012–2014, 2016, 2021.
- Qualifying Exams in Real Analysis for PhD candidates. 2011
- Member of the Departmental Library Committee for the Department of Mathematics and Statistics, University of Cyprus.
2011–2012.
- Coordinator of the weekly seminars of the Department of Mathematics and Statistics, University of Cyprus.
2009–2010.
- Organizer of PDE Seminar of the Department of Mathematics, University of Houston.
2007–2008.
- Co-organizer of lectures and meetings for Women In Mathematics (WIM) at Northwestern University, Evanston, IL. 2004–2007.

• TEACHING

– **University of Cyprus 2008-present.**

UNDERGRADUATE CLASSES: Basic Mathematics, Calculus I and II (Advanced), Advanced Multi-Variable Calculus, Partial Differential Equations, Sets and Algebraic Structures, Approximation Theory, Calculus I for Engineers, Linear Algebra for Computer Science and Engineering.

GRADUATE CLASSES: Partial Differential Equations.

– **University of Houston 2007–2008.**

UNDERGRADUATE CLASSES: Engineering Mathematics.

– **Northwestern University 2004–2007.**

UNDERGRADUATE CLASSES: MENU: Linear Algebra and Multivariable Calculus, Calculus I and III, Integral Calculus of One Variable Functions, Differential Calculus of One Variable Functions, Short Course in Calculus.

GRADUATE CLASSES: Basic Differential Equations.

– **Brown University 2001– 2004.**

UNDERGRADUATE CLASSES: Algebra and Trigonometry for Calculus Students, Analytic Geometry and Calculus, Introductory Calculus Parts I and II.

• ADDITIONAL TRAINING

– Teaching Fellow Training, Brown University, Fall 2001.

– Teaching Assistant Training, Brown University, Fall 2000.