- EDUCATION
    ◇ 2004 PhD

    Department of Mathematics, The Pennsylvania State University, USA.

    ◇ 1997 Undergraduate Diploma: Theoretical Mathematics and Applications.

    Department of Mathematics, Belgrade University, Serbia. University

- CURRENT POSITION
    ◇ 2015–present, Associate professor

    Department of Mathematics, Royal Institute of Technology (KTH), Sweden.

- PREVIOUS POSITIONS
    ◇ 2013 –2014 Associate Professor

    Department of Mathematics, Rice University, USA.

    ◇ 2009– 2013 Assistant Professor

    Department of Mathematics, Rice University, USA.

    ◇ 2006 –2009 Benjamin Pierce Lecturer

    Department of Mathematics, Harvard University, Cambridge, USA.

    ◇ 2004–2006 European Post-Doctoral Institute (EPDI) Fellow: Erwin Schrödinger Institute, Vienna;
    Institut des Hautes Études Scientifiques, Bures sur Yvette, France; Stefan Banach International
    Mathematical Center, Warsaw, Poland; Forschungsinstitut für Mathematik, Zürich, Switzerland.

    ◇ 1999–2004 Graduate Assistant

    Department of Mathematics, The Pennsylvania State University, USA.

    ◇ 1997-1999 Teaching Assistant

    Faculty of Electrical Engineering, Belgrade University, Serbia.

- FELLOWSHIPS AND AWARDS

    2024 "Feather in the hat" teaching award from students in TFYS program at KTH.

    2024 Wallenberg foundation grant for hiring a postdoc;

    2024-2027 Swedish Research Council (VR) grant. (sole PI*);

    2020-2023 Swedish Research Council (VR) grant. (sole PI);

    2018 Wallenberg foundation grant for hiring a postdoc;

    2017 Tage Erlander grant to host a visiting professor;

    2016-2019 Swedish Research Council (VR) grant. (sole PI);

    2012-2015 NSF** CAREER grant (sole PI);

    2010 NSF ADVANCE Grant program;

    2010-2013 NSF grant 10092103 (sole PI);

    2008-2010 NSF grant 0758555 (sole PI);

    2006 Seggi Brown Fellowship, University of Edinburgh (declined);

    2004-2006 European Post-Doctoral Institute (EPDI) Fellowship;

    2003 Pritchard Dissertation Fellowship;

    2002 Vollmer-Kleckner Scholarship in Science;

    2000 Graduate Scholars Award, Penn State;

    1997 Serbian Ministry of Science and Technology Fellowship.

    (* PI= Principal Investigator, ** NSF= National Science Foundation, USA)

- SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

2007/08: Senior thesis Elena Yudovina, Harvard.

2009-2013: Co-supervised PhD thesis, Cheng Zhan, University of Houston.

2010-2013: Supervised postdoctoral researcher: James Tanis, Rice University.

2015: Supervised master thesis of Gustav Zickert, KTH.

2017-2019: Supervised postdoctoral researchers: Dishen Xu, Zhiyuan Zhang, Qinbo Chen, KTH.

2017-2022: Supervised PhD thesis Boris Petković, KTH.

2020- to date: Supervising PhD student Sven Sandfeldt, KTH. Graduation date May 15, 2025.

2024-2029: Supervising PhD student Jianhao Guo, KTH.

2024-2026: Co-supervising postdoctoral researcher Minsung Kim, KTH.

- <u>ORGANISATION OF SCIENTIFIC MEETINGS</u>

    Member of the scientific committtes of:

    Beyond Uniform Hyperbolicity series of meetings.

    Advances in Dynamics conference (Shengzhen, China).

    Organizer of conferences:

    Rice dynamics meetings, Rice University, Houston, USA, May 2013.

    Rice dynamics meetings, Rice University, Houston, USA, May 2014.

    Mini-workshop in dynamics, KTH, Sweden, December 2022.

    Co-organiser of the conferences:

    Women in Mathematics - Stockholm 2025.

    Beyond Uniform Hyperbolicity, Bedlewo, ICTP May 2025.

    Dynamical Systems meeting KTH, Sweden, May 2016.

    Beyond Uniform Hyperbolicity, Bedlewo, Poland, May 2023.

    Co-organiser of the workshop for PhD students and postdocs:

    SMC Master class in Dynamics KTH/Stockholm Univeristy, Sweden, May 2025.

    SMC Master class in Dynamics KTH/Stockholm Univeristy, Sweden, May 2024.

    SMC Master class in Dynamics KTH/Stockholm Univeristy, Sweden, May 2023.

    Co-organiser of the Harvard-MIT-Northeastern Colloquium 2007-2009, Rice Colloquium, Analysis seminar at KTH 2016-2017, and Dynamical systems seminar at KTH 2017-current.

    Outreach activities:

    Activity with Stockholm schools within Women in Mathematics - Stockholm 2025.

    Organisation of a summer school for high-school girls from Houston area, 2013.

- <u>INSTITUTIONAL RESPONSIBILITIES</u>

2018– current Member of the recruitment committee for the School of sciences, KTH, Sweden.

2018– current Member of the PhD program in Mathematics committee, KTH, Sweden.

2019-2020 Member of Stockholm Mathematical Center master thesis award committee.

2015–2018 Department of Mathematics representative in the Faculty Collegium, KTH, Sweden.

2010–2012 Member of the faculty senate, Rice University, USA.

2009-2011 Admissions committee, Rice University, KTH.

2007-2009 Graduate students admissions committee, Harvard University, USA.

- <u>OTHER RESPONSIBILITIES</u>

    2023- Representative for Sweden in European Women in Mathematics organisation.

- <u>REVIEWING AND EDITORIAL ACTIVITIES</u>

2009–2012 Review panel member, National Science Foundation, USA.

2022–current Editorial Board, Journal of Modern Dynamics.

2020-current One of the editors of the volume "Vision 2020".

Reviewing for: Inventiones Mathematicae, Nonlinearity, Journal of Computational and Nonlinear Dynamics, Geometria Dedicata, Annales Scientifiques de l'ENS, GAFA, Geometry and Topology, Astérisque, Journal d'Analyse Math., AMS "Graduate Studies in Mathematics" series, Ann. of Math, Israel journal of Mathematics, JAMS, JEMS, ETDS, DCDS.

- <u>CAREER BREAKS</u>

    October 2013- July 2013 Parental leave 10 months.

- <u>PUBLICATIONS</u>

1. D. Damjanović, A. Wilkinson and D. Xu, Transitive Centralizer and fibered partially hyperbolic systems, International Mathematics Research Notices, Issue 12, Pages 9686–9704 (2024).

2. A. Abrams, J. Bochi, D. Damjanović, Open problems from 2020 Vision for Dynamics Conference in Bedlewo, book volume *A Vision for Dynamics in the 21st Century* edited by D. Damjanović, A. Gogolev, Y. Pesin and B. Hasselblatt, (2024).

3. Q. Chen, D. Damjanović, Rigidity properties for some isometric extensions of partially hyperbolic actions on the torus, *Trans. Amer. Math. Soc*, DOI: https://doi.org/10.1090/tran/8896 (2023).

4. A. Brown, D. Damjanović, Z. Zhang C^1 actions on manifolds by lattices in Lie groups, *Compositio Mathematica*, 158(3), 529-549 (2022).

5. Q. Chen, D. Damjanović, B. Petković, On simultaneous linearization of certain commuting nearly integrable diffeomorphisms of the cylinder, *Mathematische Zeitschrift* volume 301, pages 1881–1912 (2022).

6. D. Damjanović, A. Wilkinson, D. Xu, Pathology and asymmetry: Centralizer rigidity for partially hyperbolic diffeomorphisms, *Duke Math.* J. 170(17): 3815-3890 (2021).

7. D. Damjanović, J. Tanis, Transversal local rigidity of discrete abelian actions on Heisenberg nilmanifolds, *Ergodic Theory and Dynamical Systems*, 42(10), 3111–3151 (2021).

8. D. Damjanović, J. Tanis, Z.J.Wang, On globally hypoelliptic abelian actions and their existence on homogeneous spaces, *Discrete and continuous dynamical systems*, Volume 40, Issue 12: 6747-6766 (2020).

9. D. Damjanović, D. Xu, On classification of higher rank Anosov actions on compact manifold. *Israel Journal of Mathematics* volume 238, pages745–806 (2020).

10. D. Damjanović, B. Fayad, On local rigidity of partially hyperbolic affine $\mathbb{Z}^k$ actions. *Journal für die reine und angewandte Mathematik* (Crelles Journal), vol. 2019, no. 751, pp. 1–26 (2019).

11. D. Damjanović, D. Xu, Diffeomorphism group valued cocycles over higher rank abelian Anosov actions. *Ergodic Theory and Dynamical systems*, Volume 40 , Issue 1, pp. 117 –141 (2018).

12. D. Damjanović, Abelian actions with globally hypoelliptic leafwise Laplacian and rigidity, *Journal d'Analyse Mathématique* Volume 129, Issue 1, 139–163 (2016).

13. D. Damjanović, J. Tanis, Cocycle rigidity and splitting for some discrete parabolic actions, *Discrete and Continuous Dynamical Systems - Series A* , Vol 35, no. 7 (2015).

14. D. Damjanović, Perturbations of smooth actions with non-trivial cohomology. *Communications on Pure and Applied Mathematics*, Vol. LXVII, 1391–1417 (2014).

15. D. Damjanović, Hamilton's theorem for smooth Lie group actions. Ergodic Theory and Dynamical Systems: *Proceedings of the Ergodic Theory Workshops at University of North Carolina at Chapel Hill*, 2011-2012, de Gruyter publications.

16. D. Damjanović, A. Katok, Local Rigidity of Parabolic Homogeneous Actions: I. A Model Case, *Journal of Modern Dynamics*, vol. 5, no. 2, 203-235 (2011).

17. D. Damjanović, A. Katok, Local Rigidity of Partially Hyperbolic Actions. II. The geometric method and restrictions of Weyl chamber flows on $SL(n, R)/\Gamma$, *International Mathematics Research Notices*, Dec 3 (2010).

18. D. Damjanović, A. Katok, Local Rigidity of Partially Hyperbolic Actions of $\mathbb{Z}^k$ and $\mathbb{R}^k$, $k \geq 2$. I. KAM method and actions on the Torus, *Annals of Mathematics*, Vol. 172, No. 3, 1805-1858 (2010).

19. D. Damjanović, Central extensions of simple Lie groups and rigidity of some abelian partially hyperbolic algebraic actions, *J. Modern Dyn.* 1, (2007), 665–688.

20. D. Damjanović, A. Katok Local rigidity of restrictions of Weyl chamber flows, *Comptes rendus Mathematique*, 344, N8 (2007), 503-508.

21. D. Damjanović, A. Katok, Periodic cycle functionals and cocycle riidity for certain partially hyperbolic $\mathbb{R}^k$ actions.*Discrete and Continuous Dynamical Systems*, 13(2005) 985-1005.

22. D. Damjanović, A. Katok, Local rigidity of actions of higher rank abelian groups and KAM method, *Electron. Res. Announc. AMS*, 10(2004), 142-154.

Submitted

23. D. Damjanović, B. Fayad and M. Saprykina, KAM rigidity for parabolic affine abelian actions, submitted to *Inventiones* in February 2023.

24. D. Damjanović, R. Spatzier, K. Vinhage and D. Xu, Partially hyperbolic actions: classification and the Zimmer program, submitted to *Acta Mathematica* in November 2022.

Preprints

25. D. Damjanović, A. Wilkinson and D. Xu, Global rigidity for partially hyperbolic abelian actions.

26. D. Damjanović, A. Wilkinson, C. Wu, D. Xu, A program for centralizer rigidity of affine diffeomoerphisms.