

Emanuel József Godfried

Curriculum Vitae

School of Mathematics and Statistics

The University of Melbourne

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Publications

Preprints

- [2] **Geodesic Lévy flights on Zoll surfaces**, Yann Chaubet, **Emanuel József Godfried** and Leo Tzou, arXiv:2606.28744 [math.DG], (2026).
- [1] **Mean first escape times of Brownian motion on asymptotically hyperbolic and gas giant metric surfaces**, Jesse Gell-Redman, **Emanuel József Godfried**, Justin Tzou and Leo Tzou, arXiv:2603.17313 [math.AP], (2026).

Education

- 2025–present: **PhD, Mathematics**, *The University of Melbourne*, Melbourne, Australia.
- 2022–2024: **Master of Science, Mathematics**, *University of Amsterdam*, Amsterdam, The Netherlands, Cum Laude.
Thesis: The parametrix of the Laplace-Beltrami operator
- 2019–2023: **Bachelor of Science, Mathematics**, *University of Amsterdam*, Amsterdam, The Netherlands, Honours.
Thesis: Matrix integrals and the Euler characteristic of the mapping class group
- 2019–2023: **Bachelor of Science, Physics**, *University of Amsterdam*, Amsterdam, The Netherlands.
Thesis: Matrix integrals and the Euler characteristic of the mapping class group

Talks

- [5] **Introduction to narrow capture problems on Riemannian manifolds**, *SOUPAMES, Australian National University*, (2026).
- [4] **Accessibility in $\text{\LaTeX}$** , *ART seminar, The University of Melbourne*, (2026).
- [3] **PhD confirmation**, *The University of Melbourne*, (2026).
- [2] **Mean first escape time on asymptotically hyperbolic and gas giant surfaces**, *The 2nd Asia-Pacific International Conference on Dispersive Equations, Macquarie University*, (2026).
- [1] **Mean first escape time on asymptotically hyperbolic surfaces**, *The 69th Annual Meeting of the Australian Mathematical Society, LaTrobe University*, (2025).

Fellowships & Awards

- 2025–present: **Melbourne Research Scholarship**, *Stipend*.
- 2024: **dr. Hendrik Muller's Vaderlandsch Fonds**, *Recipient*, €5000.00.

Positions of Responsibility

- 2026–present: **StAMPS General committee member**, *Statistics And Mathematics Postgraduate Society of The University of Melbourne*.
- 2017–2024: **Youth Councilor**, *Netzer Netherlands*, Amsterdam, Netherlands.
- 2017–2018: **Board member**, *Netzer Netherlands*, Amsterdam, Netherlands.

Teaching Assistantships

- Aug–Oct '26: **Differential Geometry**, *The University of Melbourne*, (MAST90143).
- Aug–Oct '26: **Metric and Hilbert spaces**, *The University of Melbourne*, (MAST30026).
- Mar–Jun '26: **Real Analysis: Advanced**, *The University of Melbourne*, (MAST20033).
- Aug–Oct '25: **Real Analysis**, *The University of Melbourne*, (MAST20026).
- Mar–Jun '25: **Real Analysis**, *The University of Melbourne*, (MAST20026).
- Sep–Dec '24: **Ordinary Differential Equations**, *University of Amsterdam*, (5122GEDI6Y).
- Feb–Mar '24: **Introduction to Numerics**, *University of Amsterdam*, (5122INN3Y).
- Sep–Dec '23: **Real Analysis**, *University of Amsterdam*, (5121ANOL6Y).
- Feb–Jun '23: **Multivariable Analysis**, *University of Amsterdam*, (5121DIMD6Y).
- Jan '23: **Introduction to Differential Equations**, *University of Amsterdam*, (5092TRGO3Y).
- Nov–Dec '22: **Sequences and Series**, *University of Amsterdam*, (5122RIRE3Y).
- Sep–Oct '22: **Calculus 2**, *University of Amsterdam*, (5092WIN26Y).
- Jan '22: **Introduction to Differential Equations**, *University of Amsterdam*, (5092TRGO3Y).

Conferences, Workshops & Summer Schools

- Jun–Jul '26: **2nd OIST-Oxford-SLMath Summer Graduate School on Analysis and Partial Differential Equations**, *Okinawa Institute of Science and Technology*, Okinawa, Japan.
- May '26: **Three days on Dynamics, Geometry and Analysis**, *The University of Melbourne*, Melbourne, Australia.
- Apr '26: **SOUPAMES**, *Speaker*, *Australian National University*, Canberra, Australia.
- Feb '26: **The 2nd Asia-Pacific International Conference on Dispersive Equations**, *Speaker*, *Macquarie University*, Sydney, Australia.
- Dec '25: **The 69th Annual Meeting of the Australian Mathematical Society**, *Speaker*, *LaTrobe University*, Melbourne, Australia.
- Sep–Oct '25: **Analysis and PDE 2025**, *Leibniz Universität Hannover*, Hannover, Germany.
- Sep '25: **Three days workshop on analysis and dynamics**, *Nantes Université*, Nantes, France.
- Jun–Jul '25: **The Austral Winter Workshop on Microlocal Analysis and Non-elliptic Fredholm Theory**, *Australian National University*, Canberra, Australia.
- Aug–Sep '23: **Master Class Algebraic Geometry & Physics**, *Université de Bourgogne*, Dijon, France.

Referees

Dr. Leo Tzou

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Dr. Jesse Gell-Redman

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