Emanuel József Godfried

Curriculum Vitae

School of Mathematics and Statistics
The University of Melbourne
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My Webpage
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Publications

Peer-reviewed articles

[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*, Journal of the Australian Mathematical Society, doi:10.1017/S1446788726101694, (2026).

Preprints

[1] **Geodesic Lévy flights on Zoll surfaces**, *Yann Chaubet,* ***Emanuel József Godfried*** *and Leo Tzou*, arXiv:2606.28744 [math.DG], (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

[8] **Escape of hyperbolic Brownian motion**, *Probability seminar, The University of Melbourne*, (2026).

[7] **Introduction to Fourier integral operators**, *Analysis seminar, The University of Melbourne*, (2026).

[6] **The Schwartz kernel theorem**, *StAMPS seminar, The University of Melbourne*, (2026).

[5] **Introduction to narrow capture problems on Riemannian manifolds**, *SOUPAMES, Australian National University*, (2026).

[4] **Accessibility in 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*, (5122INNW3Y).

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

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Dr. Jesse Gell-Redman
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