Hosea Wondo

+1 607 233 3151 📞
h.wondo@outlook.com ✉
LinkedIn Profile 💼
GitHub 🌐

EMPLOYMENT

2024-2025 **Visiting Assistant Professor**
Cornell University

2022 – 2024 **Postgraduate Teaching Fellow**
School of Mathematics and Statistics, The University of Sydney.
- Developed and lectured Mathematics component of PHAR1813.
- Teaching support: MATH1002, MATH1021, MATH1023.

EDUCATION

2020-2024 **Doctor of Philosophy (Science)**
The University of Sydney
Thesis: Curvature Estimates for Geometric Deformation Equations.

2016 – 2020 **Bachelor of Science (Advanced Mathematics) (Honours)**
The University of Sydney
- Honours in Pure Mathematics, Class I.
  "Classification and Existence of Singular Solutions to Non-Linear Elliptic Equations"
- Major in Mathematics and Physics

SKILLS

Programming Languages Python, R, SQL.

Data Analysis Regression, Random Forests, K-Means Clustering, PCA, Support Vector Machine, Timeseries Analysis, K-Cross Validation, Bootstrapping, Data Visualisation, Inference.

Languages English – Native
Chinese – HSK2

PUBLICATIONS

2024 "Singulairty Type for Long Time Chern Ricci Flows"
Preprint: https://arxiv.org/abs/2408.12797.

2023 "Independence of Singularity Type for Numerically Effective Kähler-Ricci Flows" - To appear in Geometry and Topology.

2023 "Calabi Symmetry and the Continuity Method" - *International Journal of Mathematics*, Vol. 34, No. 12.

2022 "Curvature Estimates for the Continuity Equation" - *Communications for Contemporary Mathematics*, Vol. 25, No. 9.

CONFERENCE TALKS

December 2021 **65th Annual Meeting of the AustMS**
- Online, hosted at the University of Newcastle
- Talk Title: Curvature Estimates for the Continuity Method

November 2022 **Geometric Analysis Workshop**
- University of Woolongong
- Talk title: "Curvature control for the Continuity Method".

December 2022	**66th Annual Meeting of the AustMS**
	• The University of New South Wales
	• Talk Title: "Calabi Symmetry and the Continuity Method"
June 2023	**Geometric Analysis Workshop**
	• The Australian National University
	• Talk Title: "Independence of Singularity Type for Numerically Effective Kähler-Ricci Flows"
July 2023	**International Conference on Nonlinear Partial Differential Equations - Trudinger 80th Birthday**
	• The Australian National University
	• Talk Title: "Independence of Singularity Type for Numerically Effective Kähler-Ricci Flows"

AWARDS AND SCHOLARSHIPS

Scholarships
- Australian Research Training Program. 2020 - 2023
- Denison Research Summer Scholarship. 2018

Awards
- David GA Jackson Prize. 2019