Josef Bisits

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EDUCATION

University of New South Wales — Sydney
PhD candidate, supervisor Associate Professor Jan Zika, in the School of Mathematics and Statistics. — 2022–current

University of New South Wales — Sydney
Bachelor of science (Advanced Mathematics) (Honours) Class 1, major in applied mathematics. — 2016–2021

University of Sydney — Sydney
Bachelor of music (Performance), major in double bass performance. — 2007–2010

PUBLICATIONS

- **Bisits, Josef I.**, Stanley, Geoffrey J., Zika, Jan D. 2022: Can we accurately estimate a lateral diffusivity from a single tracer release?, *Journal of Physical Oceanography*, DOI: 10.1175/JPO-D-22-0145.1

- Lloyd, Simon D., **Bisits, Josef I.**, Roser, David J., Khan, Stuart J., 2023: Assessing the impact of stormwater contamination events in urban estuaries proposed for bathing, (in prep).

CONFERENCE PROCEEDINGS, SEMINARS AND WORKSHOPS

ORAL PRESENTATIONS

- **Bisits, Josef I.**, Can we accurately estimate a lateral diffusivity from a single tracer release? Novmeber 28th 2022. *Australian Meteorological and Oceanographic society annual conference 27th Noveember - 1st December 2022.*

POSTER PRESENTATIONS

- **Bisits, Josef I.**: Can we accurately estimate a lateral diffusivity from a single tracer release?, November 9th 2022. *Australian Centre for Excellence in Antarctic Science workshop 8-9th November 2022.*

RESEARCH EXPERIENCE

Research assistant — Sydney
Assisted Associate Lecturer Simon Lloyd in historical water quality data analysis and modelling. — 2022

- Processing and analysing data used to develop the 'riverwatch model' - a predictive water quality model.

Collaboration with Water Research Centre, UNSW — Sydney
PhD research: Recreational water quality in urban rivers. — 2020

- Initial and ongoing advice regarding statistical tests appropriate to the spatial and temporal analysis of water quality and meteorological data. Acknowledged in: Lloyd, D. S., et al. Swimming in urban rivers: Development of a Bayesian Belief Network to predict health risks to recreational users. *Closed Cycles 2020, Zurich, Switzerland, (2020, Sep 2–4).*

Teaching

Mathematics tutor University of New South Wales
Classroom and private mathematics tuition. 2021–Current
- Mathematics drop in centre
- Mathematics 1A (MATH1131)

Double bass Sydney
Private and ensemble double bass tuition in Sydney. 2017–2022

Orchestral Experience

Sydney symphony orchestra Sydney
Double bassist 2009–Current
- Casual musician since 2009
- Full time contract musician for 2015 season and September 2017–September 2018
- Sydney symphony fellowship 2010

Australian chamber orchestra Sydney
Double bassist 2013–Current
- Regular casual musician since 2013
- Emerging artist in 2013

Opera Australia Sydney
Double bassist Winter 2016–Current
- Regular casual musician since 2016

Ulster orchestra Belfast
Double bassist Winter 2012
- Held a trial for double bass section leader

Southbank sinfonia London
Double bassist 2012
- Principal double bassist
- Twice appeared as a solo double bassist

Scholarships and Awards

- Australian Government Research Training Program Scholarship 2022–2025
- School of Mathematics and Statistics research scholarship top-up 2022–2025
- Australian Centre for Excellence in Antarctic Research PhD student 2022–2025
- Corina d'Hage string scholarship 2008–2010
- Michael Bannigan scholarship for academic achievement 2010
- Winner of Sydney youth orchestra concerto competition 2006

References

- **Associate Professor Jan Zika** Ph: 0490 759 104, email: j.zika@unsw.edu.au
- **Associate Lecturer Simon Lloyd** Ph: 0438 407 622, email: s.lloyd@unsw.edu.au
- **Dr Geoff Stanley** email: gstanley@uvic.ca