

Farid Rajkotia-Zaheer

3800 Finnerty Rd
Victoria, BC V8P 5C2, Canada
☎ +1 778-676-6996
✉ faridrajkotiazaheer@uvic.ca

Education

- 2022–Present **Ph.D. in Mathematics**, *University of Victoria*, Victoria, BC.
○ Research Areas: Non-linear Dynamics, Fluid Dynamics, Partial Differential Equations, Variational Analysis, Convex Optimization.
○ Supervisor: Prof. David Goluskin
- 2016–2020 **B.A.Sc. with concentration in Mathematics and Physics**, *Quest University Canada*, Squamish, BC.
○ Thesis: *On the Hydrodynamics of Sphere Pairs within a Viscous Fluid*.
○ Advisor: Prof. Andrew Hamilton

Conferences, programs and summer schools

- Summer 2024 **WHOI GFD Summer Program**, *Woods Hole Oceanographic Institution*, Woods Hole, USA.
Visiting graduate student to the 2024 geophysical fluid dynamics program.
- June 2024 **NCTS-PIMS Workshop in PDE**, *National Centre for Theoretical Sciences*, Taipei, Taiwan.
Participant in biennial workshops organized by PIMS and NCTS.
- Summer 2023 **200 Years of Navier–Stokes and Turbulences**, *École De Physique*, Les Houches, France.

Awards and Scholarships

- JJEM Award Awarded to graduate students in mathematics of high academic standing based on departmental recommendation.
- BGK Scholarship Awarded to graduate students in mathematics of high academic standing based upon departmental recommendation.
- UVic Math Graduate Award Awarded for the academic years 2022-2023 and 2023-2024.
- S.N. Bhatt Memorial Excellence Fellow Fellowship hosted by the International Centre for Theoretical Sciences, India.

Teaching Experience

- 2022-present **Marker**, *University of Victoria, Department of Mathematics and Statistics, Victoria, BC.*
- MATH 377, mathematical modelling
 - MATH 301, introductory complex analysis
 - MATH 342, undergraduate level ordinary differential equations course.
 - Marker for MATH 101, first year calculus and MATH 151, basic discrete mathematics for the Math and Stats department at UVic.
- 2022-present **Tutor**, *University of Victoria, Math and Stats Assistance Centre, Victoria, BC.*
- Drop in tutor for mathematics.
- 2020–2021 **Teaching Fellow**, *Ashoka University, Mathematics Department, Sonapat, India.*
- Worked alongside faculty members to administer courses being offered at the university.
 - Assisted in teaching foundational Quantitative Reasoning and Mathematical Thinking courses, Differential Equations and Linear Algebra.
 - Responsibilities included providing supplementary instruction sessions, grading assessments, writing original solution manuals and course administrative duties.

References

David Goluskin

Professor of Mathematics
University of Victoria
Victoria, BC
✉ goluskin@uvic.ca

Giovanni Fantuzzi

Professor of Mathematics
Friedrich-Alexander-Universität
Erlangen-Nürnberg
✉ giovanni.fantuzzi@fau.de