



2019 European Girls' Mathematical Olympiad
Kiev, Ukraine, April 7 - 13
2019 EGMO – Math Team Canada
Leaders and Contestants
Fact Sheet



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Dorette Pronk

Leader

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Katherine Forbes

Contestant 4

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Dorette Pronk – Leader

Halifax, Nova Scotia



Dorette Pronk was born in Rotterdam, The Netherlands, and is a Professor of Mathematics at Dalhousie University, Halifax, Nova Scotia, where she has worked since September 2000. She obtained her Ph.D. in Mathematics in 1995 from Utrecht University in the Netherlands.

Dorette Pronk served as Deputy Leader Observer with the Canadian IMO Team to Taiwan (1998) and Romania (1999), as Deputy Leader with the Canadian IMO Team to the USA (2001) and Mexico (2005), and as leader with the Canadian IMO Team to Germany (2009) and to the Netherlands (2011), she served again as deputy leader to South Africa in 2014.

Professor Pronk was a recipient of an NSERC University Faculty Award (2000 – 2005) and her research interests are category theory and algebraic topology. She has supervised several honours, master's and doctoral students in mathematics and is pleased to see her students make a difference in both mathematical research and the teaching and community engagement of mathematics.

Dorette is the outreach advisor for the Math Division at Dalhousie University and works with the Director of Nova Scotia Math Circles, a program that seeks to show high school students the importance and beauty of mathematics. She also leads two math challenge clubs for students interested in problem solving and competitions. These clubs are financially sponsored by AARMS, the Atlantic Association for Research in the Mathematical Sciences. Students in the clubs form an active problem solving community who go to competitions together and especially enjoy team competitions. Without explicitly striving to accomplish this, this has thus far led to clubs that are just over 50% female and are culturally diverse.

Dorette also serves on the executive board of AARMS and is currently active in co-organizing (with Daniele Turchetti) a large STEM event for Girl Guides in May this year. They are expecting about 600 girls from around Nova Scotia to come to the university campuses in Halifax and engage in a weekend filled with STEM related workshops and opportunities to meet female role models in the STEM disciplines.

She also assists in training the Dalhousie team for the Science Atlantic Contest and the Putnam Competition. She enjoys taking students to conferences and competitions where they can meet others who share their passions.

Dorette's hobbies include playing the recorder, liturgical dance and choreography, and reading.

Sarah Sun – Deputy Leader

Toronto, Ontario



Sarah Sun was born in Edmonton, Alberta. Sarah's mathematical journey first started with writing math competitions at the age of 11. A graduate of the University of Waterloo, she double majored in Mathematical Finance and Statistics, which eventually led her into the field of Data Science. After dabbling in the banking industry for seven years, she decided to switch industries and is now applying data science to mining. Currently Sarah is the Chief Data Strategist for Goldspot Discoveries Inc, a publicly traded AI company specializing in Mineral Exploration.

Over the last decade Sarah has extensive experience lecturing for various math circles and camps, coaching contest mathematics, organizing math camps, leading the Ontario Math Circles team at the American Regions Mathematics League, as well as being the head organizer for the Toronto Math Circles since 2012. Most recently, Sarah has been the Deputy Leader for Math Team Canada at the IMO 2017 and EGMO 2018, and will be Deputy Leader for both EGMO and IMO 2019.

Outside of work and mathematics, Sarah enjoys traveling, eating, being outdoors, and pampering her two fat cats.

Anna Krokline – Contestant

Toronto, Ontario



Anna Krokline was born in Toronto, Ontario, and is currently a Grade 11 student at the University of Toronto Schools (UTS).

Anna first started participating in regional and national math competitions in elementary school, and quickly became more engaged in developing her problem solving skills through online and summer math programs. In addition to competitive math, Anna is very interested in academic and applied mathematics.

Anna is excited and honored to be a member of Team Canada for the 2019 EGMO. She is looking forward to representing Canada together with the rest of the team in Kiev. Anna would like to thank her dedicated and enthusiastic UTS teachers, especially the Math Department, for their encouragement and support.

Anna is passionate about providing more opportunities and encouragement for girls and women to join the field of mathematics/ STEM. Her hobbies include hiking, watching classic movies, and reading.

Elaine Liu – Contestant

Oakville, Ontario



Elaine Liu is a Grade 11 student at Appleby College in Oakville, Ontario. She first became interested in math in Grade 2 when she played “Make 24” with her parents. She started participating in math contests in Grade 9 and quickly became engaged in the challenges of problem-solving. In addition to developing her own skills by preparing for and participating in various contests, Elaine works to engage in the communal aspect of mathematics. As the co-founder and president of the Appleby College Math Club, she shares her passion with her peers and promotes the math spirit in her community.

Elaine is truly looking forward to representing Canada in EGMO this year, and she feels very honoured to be part of the team. She is excited for the upcoming challenge and is hoping to meet math enthusiasts from all over the world. Elaine would like to thank her parents, teachers, and friends, who have always supported her pursuit of mathematics. She hopes that her participation in EGMO this year will encourage aspiring female mathematicians to pursue their passion for math.

After EGMO, Elaine hopes to continue her quest for a deeper understanding of mathematics. She hopes to study math or science in university and to pursue a math-related career in the future. Elaine also likes travelling, meeting new people, and exploring new places. At home, she likes to spend time reading, writing, and playing the piano.

Zixian (Ruby) Wei – Contestant

Charlottetown, PEI



Zixian (Ruby) Wei was born in Yangzhou, China. She moved to Canada in grade 10 and she is now a senior at Colonel Gray High School on Prince Edward Island.

Zixian was deeply attracted to math because she enjoys the process of exploring the mystery and reading the creative proofs. She participated in many math contests and became the provincial champion of Fermat (2018). She also wrote the COMC which led her to the EGMO. Being selected for EGMO 2019 was a great surprise to her, and she is honored to be a part of the team.

Zixian really enjoys physics and biology. She will be studying Major physics and physiology at McGill University.

Katherine Forbes – Contestant

Edmonton, Alberta

