



2018 European Girls' Mathematical Olympiad
2018 EGMO – Math Team Canada
Leaders and Contestants
Fact Sheet



2018 European Girls' Mathematical Olympiad – Contact Information

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Leader

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Dorette Pronk – Leader



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. 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.

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



Sarah Sun was born in Toronto, Ontario. 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. Currently Sarah works for TD Bank on the Payments Innovation team, with a specialty in Data Strategy.

Over the last decade Sarah has extensive experience lecturing for various math circles and camps, coaching contest mathematics, organizing math camps, supporting girls in STEM, 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 served as Deputy Leader of Math Team Canada 2017 in Rio de Janeiro, Brazil.

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

Anna Kronkhine – Contestant



Anna Krokhhine was born in Toronto, Ontario, and is currently a Grade 10 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. She greatly enjoys spending time pondering difficult problems and making connections between different concepts.

Anna is excited and honored to be a member of Team Canada for the 2018 EGMO. She is looking forward to representing Canada together with the rest of the team in Florence. She would like to thank her dedicated and enthusiastic UTS teachers, especially the Math Department, for their encouragement and support.

In addition to competitive math, Anna is very interested in academic and applied mathematics. Anna's interests also include Physics, Artificial Intelligence, and Computer Science. Anna's hobbies include hiking, watching classic movies, and reading.

Jennifer Liang – Contestant



Jennifer Liang is a junior at Marc Garneau Collegiate Institute in North York, ON. She discovered her passion for math when she was first introduced to math contests in grade 8. Ever since, Jennifer has enjoyed solving math problems and discovering new concepts with her friends and classmates. While she enjoys math at school, she's always up for the extra challenge that math contests provide.

In addition to math, Jennifer enjoys spending time at her fencing club, where she trains as a foilist and coaches aspiring youth fencers. She also enjoys skiing in the winter months and is an avid reader and movie fanatic.

Elnaz Hessami Pilehrood - Contestant



Elnaz was born in Mogilev, Belarus, but grew up in Iran. She moved to Canada in 2012 with her family. Elnaz has been participating in math contests since grade 7. She is currently a grade 12 student at the TOPS Program at Marc Garneau Collegiate Institute in North York, ON. Elnaz plans to study mathematics in university.

Elnaz first became interested in mathematics as a child through logic puzzles, and eventually began to discover more of mathematics. What Elnaz enjoys most about math is the process of solving problems, and being completely immersed in a difficult problem.

Elnaz participates in all the math contests she can. Her score on the recent Canadian Open Mathematics Challenge earned her an Honourable Mention and secured her spot as a member of the Canadian team headed to Florence, Italy for the 2018 European Girls' Mathematical Olympiad (EGMO). She is excited for the EGMO, and is happy that Canada is sending a team this year. She hopes her involvement will encourage more girls to get involved in mathematics, and pursue mathematics after high school.

When not doing math or school work, Elnaz enjoys listening to music and reading fiction, as well as spending time outdoors in nature, biking, and playing badminton.

Karen Situ – Contestant



Karen Situ was born in Vancouver, BC and went to school in China through grades 1 to 5. She is currently attending grade 9 in University Hill Secondary in Vancouver, BC. Her interest in math was started by her older sibling when she was very young. Since then, math has become a hobby. Karen was introduced to math competitions in grade 3, while attending school in China. Upon completing grade 5, Karen returned to Canada. It was then that she began to participate in math contests. Karen especially enjoys Algebra and non-algebraic Geometry.

At the upcoming EGMO, Karen hopes to meet new people who will motivate and push her to do more math. Karen hopes to do well at the EGMO, and benefit from the experience.

Besides math, Karen's hobbies include, dancing, computer programming, and playing piano.