

Today's meeting began at 9:00 am with President Bob Berry welcoming everyone in attendance. There were 52 members present as well as one guest, Steve Haveron. A name badge was presented to Ezio Di Emanuele.

- President Berry reminded members that the annual fees are now due and if you haven't paid yet, please see David Moller, treasurer, to pay.

Announcements

Ken Marchant - Activities / Events

- There is a date change for attending the Drayton Production of *Priscilla, Queen of the Desert*. It will now be on August 3rd, 2024; at the Hamilton Family Theatre Cambridge
- The AGM luncheon on June 6th is approaching and the cut-off date for signing up for dinner will be at the next membership meeting on May 23rd; Cost is \$25;
- The Tour of the Sikh Temple is scheduled for June 11th at no charge;
- The Evening-at-the-Races is scheduled for September 13th

Martin Alderwick – Tour de Guelph

- Every year the Rotary Club of Guelph sponsors the Tour de Guelph bicycle tour. Each year the RCMC puts in a team to raise funds. If you are a rider and interested please sign up for the race on Sun. June 23rd. People are invited to sponsor the team. Warren Gregg is the coach of the team.

Bob Berry – Trinity United Church Pork Chop Dinner

When: Thursday, May 23rd, 4:15 to 6:00 pm

Where: Pick up at Jesse's Catering at Guelph Country Club, 133 Woodlawn Rd., E.

Cost: \$28 per person; etransfer to kathyrobertstephens@gmail.com or cheque.

To order contact: kathyrobertstephens@gmail.com for pick-up time or call 519 829 9622
(by May 20th)

Doug Davidson introduced today's guest speaker, Aiping Yu.

Bio:

Dr. Aiping Yu

Dr. Aiping Yu is a university research chair professor at the University of Waterloo. Renowned for her ground-breaking work in nanomaterials and energy storage, Dr. Yu has left an indelible mark on both societies. Over the past two decades, she has authored over 280 papers, a book, and two book chapters, demonstrating her profound commitment to advancing scientific knowledge. Additionally, she has lent her expertise to editing one book, further solidifying her impact on academic discourse. Notably, Dr. Yu's outstanding contributions have garnered global recognition. She was honored as one of the World's Top 2% Scientists in 2022 by John Ioannidis at Stanford University and was distinguished as one of the 1% highly cited researchers by Web of Science in 2023. Dr. Yu's accolades extend beyond academia, as she has received prestigious national awards, including the Top 100 Canada's Most Powerful Women in 2023, the Rutherford Memorial Medal from the Royal Society of Canada in 2022, and the EWR Steacie Memorial Fellowship from NSERC in 2020. She has also spun-off five start-up companies in Waterloo region and contributes to the economic of the region. Dr. Yu's dedication to combating climate change through technological innovation exemplifies her unwavering commitment to addressing one of the most pressing challenges of our time.

Abstract:

In addressing environmental challenges, the realm of renewable energy storage, encompassing batteries and supercapacitors, has emerged as a focal point of research over the past decade. My research group has dedicated its efforts to the exploration of nanomaterials for various types of batteries, including Li-ion, Na-ion, and Zn-ion batteries, alongside supercapacitors, with a parallel emphasis on battery recycling. Within battery research, material discovery stands as a pivotal

domain, largely propelled by advancements in nanotechnology. Looking ahead, nanotechnology and artificial intelligence (AI) are poised to serve as primary drivers of next-generation technology development. It's imperative for us to recognize this trajectory and prepare accordingly, ensuring that our endeavors ultimately yield maximum societal benefit.

Presentation:

Dr. Yu's presentation can be found on the club website under speaker's notes.

Bob Berry thanked Aiping Yu for her presentation and gave her a token of appreciation.

Next Meeting: May 23, 2024 with Dave Penny on the History of Fish Culverts

Adjournment @ 11.05 am

Recording Secretary: Kerry Gennings