



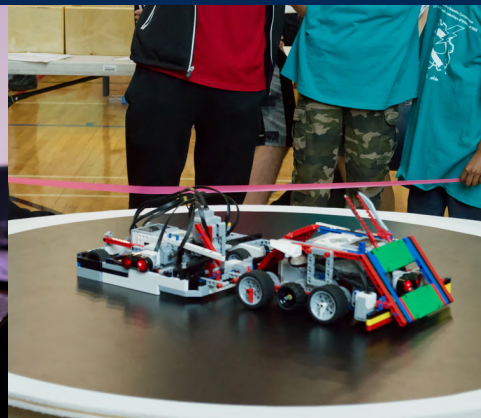
IEEE

Ottawa  
Section



21ST ANNUAL

# IEEE OTTAWA ROBOTICS COMPETITION



## Patronage Package

May 25-26th, 2024

Ottawa, Ontario

*A Premier Initiative Promoting STEM Fields*

[orc.ieeeottawa.ca](http://orc.ieeeottawa.ca)

# WHAT IS ORC?

Since 2003, the ORC (Ottawa Robotics Competition) has been a premier initiative from the IEEE Ottawa Section to promote Science, Technology, Engineering, and Mathematics (STEM) to schools within Ottawa. The ORC offers students and teams a unique opportunity to go through an entire scientific and engineering thought process from start to finish.

Students design, build, and program their robots to address ORC's yearly challenges. In addition to robotic performance, teams prepare a technical report and oral presentation for judicial evaluation.

As Ottawa's largest robotics competition, the ORC has been supporting the participation of over 300 students from 90+ teams and attracting over 600 attendees annually between 2016 and 2019. The ORC subsidizes the cost of robot kits and gives out new robotics kits as prizes, allowing more schools and students to compete.



ORC's mission is to expose grade 5 to 12 students to STEM fields through a multidimensional approach, allowing students to develop essential skills required for future academic and career-related endeavours.

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# STUDENT ENGAGEMENT, EXPOSURE & BENEFITS

ORC helps participants build an array of invaluable skills by taking them through an entire scientific and engineering thought process.



## These skills include:

- DESIGN
- LEADERSHIP
- PRESENTATION
- PROBLEM-SOLVING & LOGIC
- PROGRAMMING
- REPORT WRITING & DOCUMENTATION
- TEAMWORK



# PREVIOUS ORC INNOVATIONS

Each year, our research and development team works to develop new challenges for teams to compete in. While in the past, ORC has included only LEGO Mindstorm challenges, we have pioneered more advanced challenges which include the use of Bluetooth technology (BLE) and Arduinos. Our team strives to provide more diverse and improved learning opportunities for our students, as they develop higher-level thinking throughout their formal academic education.

## Drag Race Challenge

Accelerate quickly to top speed to be the first to cross the finish line.



## Grid Runner 2424 Challenge

Build an Arduino robot that can autonomously navigate detours.



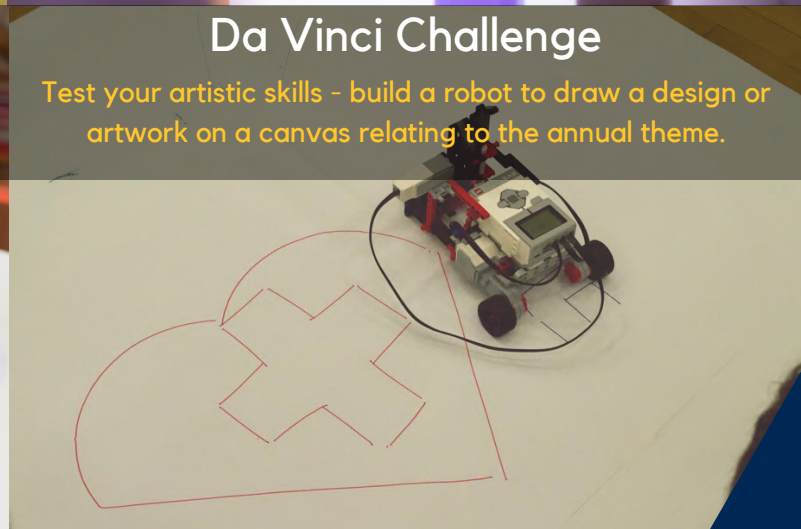
## Sumo Challenge

Battle it out - build a sumo-wrestler robot to push and flip your opponent out of the ring.



## Da Vinci Challenge

Test your artistic skills - build a robot to draw a design or artwork on a canvas relating to the annual theme.



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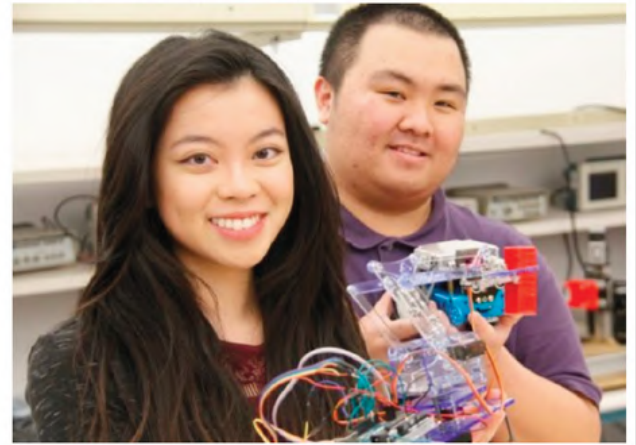
## HOW CAN YOU HELP?

Help us promote science and engineering in Ottawa by:

- Subsidizing ORC robotics kits
- Encouraging under-represented groups to participate
- Reducing registration fees for participants
- Expanding ORC's reach to more schools

News / Ottawa

### Ottawa robotics program aims to increase participation from girls

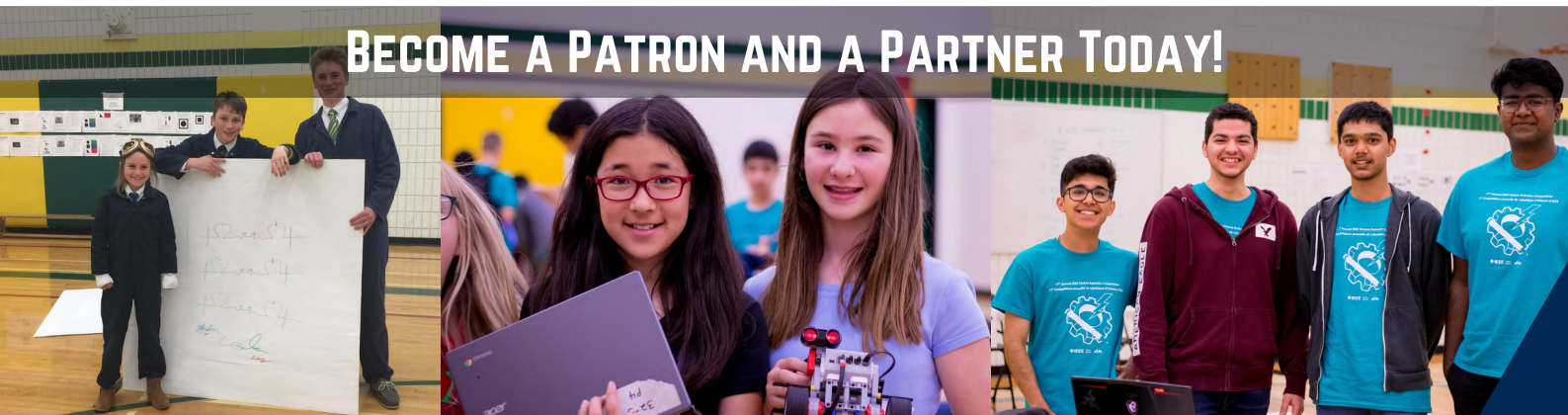


News Feature: visit <http://bit.ly/ORC17MetroOttawaWA>

## Making the ORC More Accessible to Students

Your patronage directly supports students who would otherwise not be able to participate in the competition by reducing their registration fees. You can choose whether these discounts apply to all students or a specific demographic (such as those of low socioeconomic status). You can also choose to name the discount, allowing students to know you support their exploration of STEM fields.

**BECOME A PATRON AND A PARTNER TODAY!**



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# PATRONAGE OPPORTUNITIES SUMMARY

Benefit	Level (Contribution)				
	Platinum (\$4k)	Gold (\$3k)	Silver (\$2k)	Bronze (\$1k)	Exhibitor (\$500)
Availability of patrons at this level	1	2	Unltd.	Unltd.	Unltd.
Advertising on registration form	Yes	--	--	--	--
Challenges "Powered By"	2	1	--	--	--
Representative judging	Yes	Yes	--	--	--
Dedicated presentation timeslot	Event & Workshops	Event	--	--	--
Discount for students (details, see pp. 7-10)	55% or \$5.50	20% or \$2	10% or \$1	5% or \$0.50	--
Relative logo size on T-shirt	3.5x (Front and back)	2.5x	2x	1x	--
Advertising (social media and giveaways)	Premium	Premium	Yes	Yes	Website only
Networking Booth for your organization	3 Tables	2 Tables	2 Tables	1 Table	Half-Table
Representatives on competition day	10 People	5 People	3 People	3 People	1 Person

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# PATRONAGE PREMIUM ADD-ONS

## “Power” our Kit loan program for 2024 (\$1,000-\$2,500)

### Partnership includes:

The ORC team has created a kit loan program for students who cannot afford to purchase their own robotics kits. This loan program is completely free for participants and powered by the generosity of donors. Depending on the price chosen, you will have a set of kits (including up to all kits we loan) specified as “powered by” your company and your logo will be added to all marketing material on mailouts, websites and social media related to the kits. Please speak with a member of the Patronage team for more details

## Support Girls in Coding \ Women in Engineering or Other Groups (\$500-\$2500)

### Partnership includes:

The ORC team dedicates itself to supporting any group interested in learning and growing in STEM education and Engineering. We hope to help break down hurdles for entry based on socioeconomic reasons. As such we have opened the opportunity to work with Patrons to create grants and resources to help break down these barriers. This add-on can include many different options such as sponsoring groups of teams to compete, creating a new prize category or other initiatives discussed with our Patronage team.

**Discounts may be available for Add-Ons alongside a general Patronage Plan.  
Please inquire with your patronage representative.**

# PATRONAGE PREMIUM ADD-ONS (CONTINUED)

## ORC Pit Stop for 2024 (\$1,000)

### Partnership includes:

Have you ever wondered what it's like to get your tires changed in 2.5 seconds or less? Well, your sponsorship could provide a similar experience for the students at the Ottawa Robotics Competition. Your logo, branding, and company name will be on exclusive display on the pit stop banner as "ORC Pit Stop Powered by \_\_\_".

**Discounts may be available for Add-Ons alongside a general Patronage Plan.  
Please inquire with your patronage representative.**



# PATRONAGE OPPORTUNITIES

## Platinum Patron (\$4,000)

### Partnership includes:

- Recognition as Platinum Patron
- **Exclusive advertising space** on our registration form to promote your company's initiatives/innovations
- Representative judging on competition day
- Dedicated opportunity at **all ORC events** to promote your company
- Opportunity to name **two (2)** challenges to be "Powered By" your company
- Company logo predominantly featured on ORC T-shirts (**front and back**)
- **Three (3)** tables for networking booth and up to **ten (10) representatives** on competition day
- **55% discount** off base registration fees to a specific set of participants or a **\$5.50 discount** to all participants (named after your company)
- Collaboration to hold ORC events at your company venue
- Full-page ads will be prominently displayed on competition day
- Every competition package will include a full-page ad supplied by your company, offering an opportunity for lasting company exposure.
- Platinum Patron information prominently displayed during competition day.
- Company logo, link and description predominantly featured on ORC's website and social media pages
- Company logo and promotional materials featured on all promotional materials generated for ORC
- Memorabilia (promotional materials and/or gifts) provided by your company will be given out at all ORC events (open house, workshop, and competition day).
- A formal thank you will be made during the opening ceremony, lunch break, and closing ceremony.

## PATRONAGE OPPORTUNITIES

### Gold Patron (\$3,000)

#### Partnership includes:

- Recognition as Gold Patron
- Opportunity to name **one (1)** challenge to be “Powered By” your company
- Representative judging on competition day
- Dedicated opportunity at all ORC events to promote your company
- **Two (2)** tables for networking booth and up to **five (5) representatives** on competition day.
- **20% discount** off base registration fees to a specific set of participants or a **\$2 discount** to all participants (named after your company)
- Company logo superiorly featured on ORC T-shirts
- Full-page ads will be prominently displayed on competition day.
- Every competition package will include a half-page ad supplied by your company, offering an opportunity for lasting company exposure.
- Gold Patron information prominently displayed during competition day.
- Company logo, link and description predominantly featured on ORC’s website and social media pages.
- Company logo and promotional materials featured on all promotional materials generated for ORC.
- Memorabilia (promotional materials and/or gifts) provided by your company will be given out at all ORC events (workshop, and competition day).
- A formal thank you will be made during the opening ceremony, lunch break, and closing ceremony.

# PATRONAGE OPPORTUNITIES

## Silver Patron (\$2,000)

### Partnership includes:

- Recognition as Silver Patron
- **Two (2)** tables for networking booth and up to **three (3) representatives** on competition day.
- **10% discount** off base registration fees to a specific set of participants or a **\$1 discount** to all participants (named after your company)
- Company logo featured on ORC T-shirts
- Company logo, link and description featured on ORC's website and social media pages.
- Company logo and promotional materials featured on all promotional materials generated for ORC
- Memorabilia (promotional materials and/or gifts) provided by your company will be given out at all ORC events (workshop, and competition day).
- A formal thank you will be made during the opening ceremony, lunch break, and closing ceremony.

## Bronze Patron (\$1,000)

### Partnership includes:

- Recognition as Bronze Patron
- **One (1)** table for networking booth and up to **three (3) representatives** on competition day
- **5% discount** off base registration fees to a specific set of participants or a **\$0.50 discount** to all participants (named after your company)
- Company logo featured on ORC T-shirts
- Company logo, link and description featured on ORC's website and social media pages
- Company logo and promotional materials featured on all promotional materials generated for ORC
- Memorabilia (promotional materials and/or gifts) provided by your company will be given out at all ORC events (workshop, and competition day)

## PATRONAGE OPPORTUNITIES

### Exhibitor (\$500)

#### Partnership includes:

- Recognition as an Exhibitor
- **One Half (1/2)** table for networking booth and up to **two (1) representatives** on competition day
- Company logo and link on ORC's website



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# Visit our youtube channel

<https://www.youtube.com/user/IEEEORC>

## Have any questions or comments?

Email us at:

[orcinfo@ieeeottawa.ca](mailto:orcinfo@ieeeottawa.ca)

Visit:

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