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## **Arthur L. Schawlow Prize in Laser Science 2023**

### **Sponsor**

APS Physics and the NEC Corporation

### **Description**

This prize recognizes outstanding contributions to basic research which uses lasers to advance our knowledge of the fundamental physical properties of materials and their interaction with light. Some examples of relevant areas of research are: nonlinear optics, ultrafast phenomena, laser spectroscopy, squeezed states, quantum optics, multiphoton physics, laser cooling and trapping, physics of lasers, particle acceleration by lasers, and short wavelength lasers. The prize will be awarded annually.

### **Eligibility**

- Self-nominations are not accepted
- The nominator does not have to be an APS member
- A nominee does not have to be an APS member
- Nominations are open to candidates who have made outstanding contributions to basic research using lasers. Nominations are active for three years.
- Most nominees are individuals, but in some cases teams may be nominated, especially collaborations involving more than one institution. When considering nominating a team, only nominate the primary members who have made original and indispensable contributions.
- An APS prize or award recipient may be nominated for other APS prizes or awards for new work or achievements, or significant extension of the previously awarded work or achievements. Please do not nominate a person or team for the same work or achievements for which they have already received an APS Society level prize or award (dissertation or unit awards are acceptable).
- APS does not award honours posthumously.

### **Prize**

The prize consists of \$10,000 plus an allowance for travel to the meeting at which the prize is awarded and a certificate citing the contributions made by the recipient.

### **Special Notes**

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Published on Research Alerts (<https://www.uoguelph.ca/research/alerts>)

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Please note that research activities carried out in the context of COVID-19 need to adhere to the University of Guelph COVID-19 research principles, policies, guidelines and processes as they may be updated from time to time and communicated on the [Office of Research Web-Page](#) [1].

### Deadlines

**If College-level review is required, your College will communicate its earlier internal deadlines.**

Type	Date	Notes
<b>External Deadline</b>	Wednesday, June 1, 2022 - 11:59pm	Please submit the nomination directly to APS Physics via the <a href="#">Arthur L. Schawlow Prize in Laser Science web page</a> [2]. Please also submit a copy of the full nomination and OR-5 to <a href="mailto:research.services@uoguelph.ca">research.services@uoguelph.ca</a> [3].

### How to Apply

Applications must be submitted online, using the application form provided on the [Arthur L. Schawlow Prize in Laser Science web page](#) [2]. Please also submit an OR-5 and a completed application to [research.services@uoguelph.ca](mailto:research.services@uoguelph.ca) [3] by the external deadline.

### For More Information

For more information, contact [research.honours@uoguelph.ca](mailto:research.honours@uoguelph.ca) [4] or see the [Arthur L. Schawlow Prize in Laser Science web page](#) [2].

Alert Classifications **Category:**  
Honours and Awards

#### Disciplines:

Physical Sciences and Engineering

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#### Source

URL: <https://www.uoguelph.ca/research/alerts/content/arthur-l-schawlow-prize-laser-science-2023>

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**Links**

[1] <https://www.uoguelph.ca/research/>

[2] <https://www.aps.org/programs/honors/prizes/schawlow.cfm>

[3] <mailto:research.services@uoguelph.ca>

[4] <mailto:research.honours@uoguelph.ca>