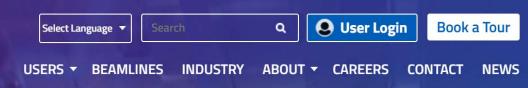
# How to write a successful proposal to the Canadian Light Source (CLS)

### Chithra Karunakaran February 1, 2021

https://www.lightsource.ca/



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# Outline

- Beamtime access mechanisms
- General user access
  - Peer review process
  - Writing successful proposals
  - Selecting beamlines
- Before and after beamtime
- Agriculture website
- Questions?





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## **Beamtime access mechanisms**

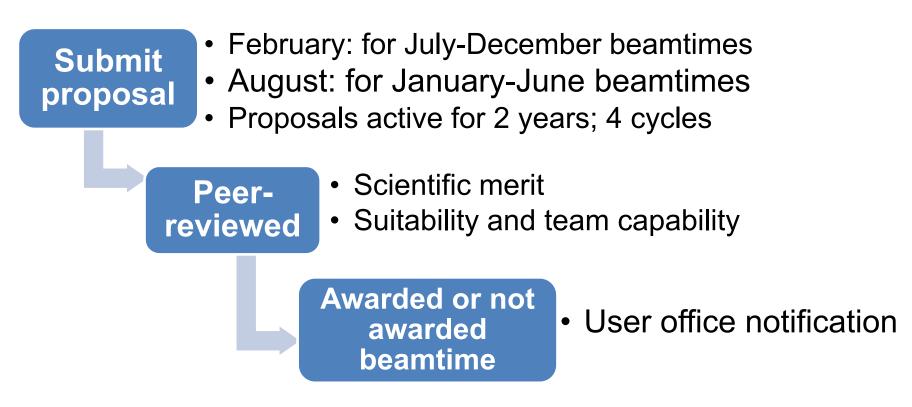
- General user access
  - Users submit proposals that are peer-reviewed and ranked
  - \$1/1 shift (8 hours) of beamtime
- Purchased access
  - No proposal submission and no peer-review
  - For proprietary work
- Rapid access
  - Proposals submitted, internal review, for proofof-concept works only



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https://www.lightsource.ca/apply\_for\_beamtime.html



#### **Present call closes on February 24, 2021**

Call for proposals: <u>https://www.lightsource.ca/all\_other\_beamlines</u> Deadlines: <u>https://www.lightsource.ca/call\_for\_proposals</u>

## **Other than General User Access**

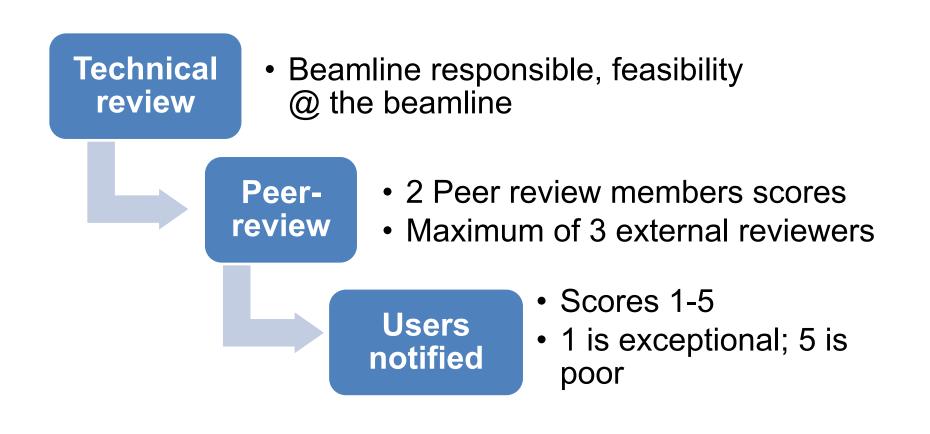
Purchased access

- For proprietary work
- For fast access
- Industrial science group

#### **Rapid access**

- Proof-of-concept work
- Complete a paper or thesis (only few samples)
- Internally reviewed

## **Peer-review Process**





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nttps://www.lightsource.ca/about\_the\_peer\_review

#### Submit proposals

- First contact beamline responsible
- New proposal submit a new proposal
  - Attach (max: 1 page) any relevant or preliminary results
- Existing proposal

results

- Good score (~<2.0), <u>submit beamtime request</u>
- Score >2.0 <u>clone and edit the proposal</u> and resubmit through the peer-review process
- Address peer-reviewers comments
- Attach (max: 1 page) any relevant or preliminary



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https://www.lightsource.ca/all\_other\_beamlines

#### New user

- Become a CLS user
  - Create a login credential



- Contact beamline responsible
  - https://www.lightsource.ca/beamlines.html

Questions: email: <u>CLS.User-Office@lightsource.ca</u>; phone: 306-657-3700



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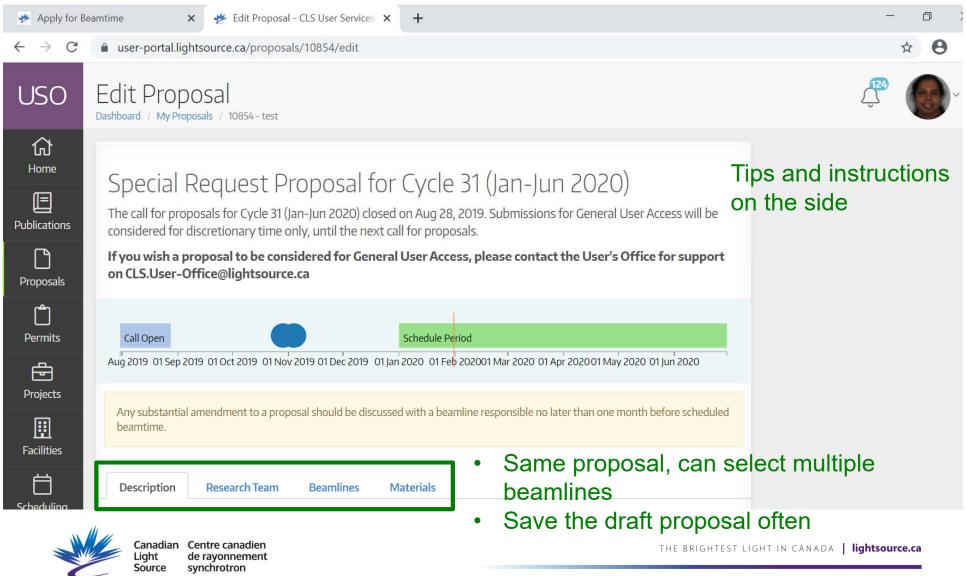
#### New proposal

Start a new proposal or edit a proposal

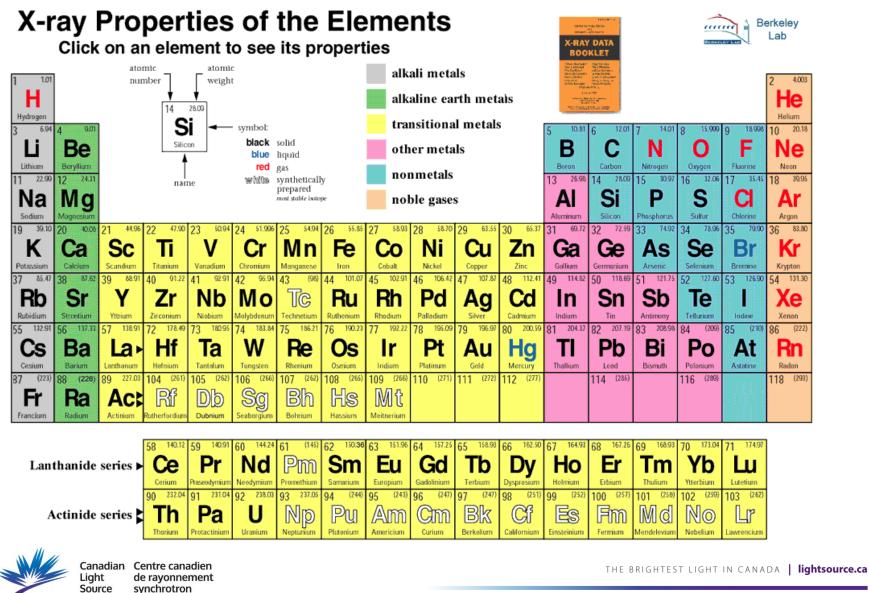
Apply for Beamtime 🗙 🥐 CLS User Services Online 🗙 🕂								
$\leftarrow \  \  \rightarrow \  \  G$	user-portal.lightsource.ca/users/my/#0		☆ 😝					
USO	User Services Online		£					
6 Home	My Profile 🖉 👁	Proposals + 😑	Saskatoon, SK					
E Publications	Chithra Karunakaran 🖻 Professional	The call for proposals to be scheduled during the period 2020-07-01 – 2020-12-31 is currently open with a submission deadline of 2020-02-26 at noon.	Today Today Today					
Proposals	. 3063410400	+ Create a Proposal	-4 -3°  -9° -0°  -5° -3°  -8° RIGHT NOW – Scattered Clouds · Feels like -12°					
Ĉ	Chithra.karunakaran@lightsource.ca	Draft Proposals 2 test	How Did We Do? +					
Permits	<ul> <li>Canadian Light Source Inc.</li> <li>44 Innovation Blvd, Saskatoon, S7N 2V3, SASKATCHEWAN, CANADA</li> </ul>	Spectral analysis of elements in bovine hoof ti 🔗	In order to improve the quality of our services the CLS welcomes feedback from its users.					
Projects	Engineering & Technology, Agricultural, Veterinary & Food Sciences, Earth & Environmental Sciences	Reviews 🖨 🗮	Beam Time Pending Feedback 5					
Facilities		Reviews Needing Attention	MID-IR-AGILENT – 31G10427~Chebli					
Scheduling	Publication Keywords	There are currently no reviews needing your attention.	SM – 31G10427 - Chebli         Ø           SM – 31G10427 - Chebli         Ø           SM – 31G10427 - Chebli         Ø					

# Proposals

#### **Proposal details**

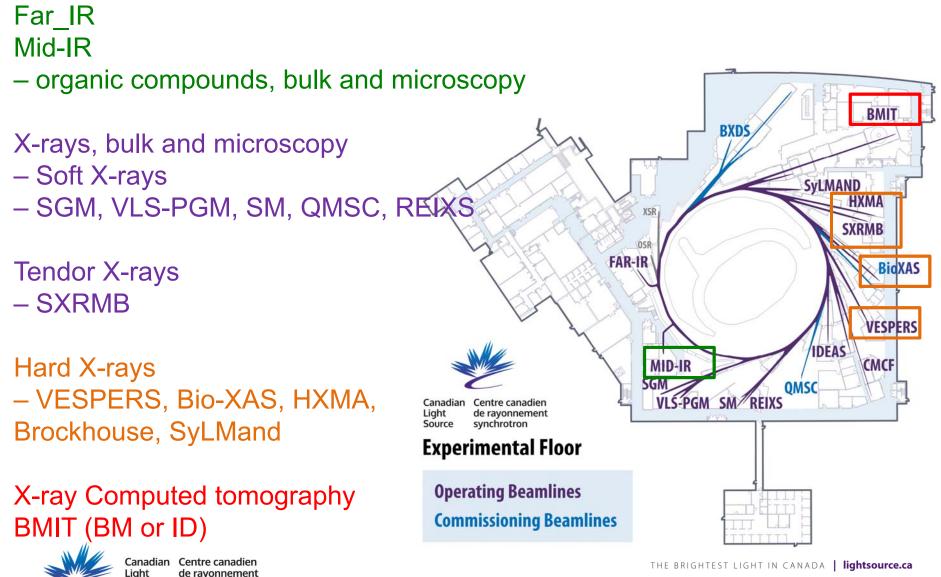


# **Selecting Beamlines**



https://xdb.lbl.gov/Section1/Periodic Table/X-ray Elements.html

# **Beamlines**



Source

synchrotrorhttps://www.lightsource.ca/beamlines.html

## **Contact details**

- CLS user office
  - <u>CLS.User-Office@lightsource.ca</u>; phone: 306-657-3700
- Bio/life sciences
  - Pawel Grochulski, <u>pawel.grochulski@lightsource.ca</u>, 306-657-3538
- Chemical and materials sciences
  - Feizhou He, <u>feizhou.he@lightsource.ca</u>, 306-657-3726
- Earth and Environment (Agriculture and Environment)
  - Chithra Karunakaran, <u>Chithra.Karunakaran@lightsource.ca</u>, 306-657-3747
- Purchased access/Industrial sciences
  - Jeff Warner, <u>Jeff.warner@lightsource.ca</u>. 306-657-3803



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## **Before and after beamtime**

- Before beamtime....
  - Keep your samples ready
  - Plan and prioritize your experiments at the CLS according to the experimental objectives
  - Contact CLS beamline responsible/staff well in advance if you have questions
- After beamtime
  - Summarize your results within 3-6 months
  - Any reports or publications let CLS staff know and update in the CLS publication database



## Watch for....

- Annual users meeting
  - Workshops
- CLS awards
  - Graduate students travel award
  - G. Michael Bancroft PhD Thesis Award





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## **Agriculture Website**

http://agriculture.lightsource.ca

 FAQ, example proposals for different beamlines or techniques, proposal templates for different beamline with tips

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## **Questions?**



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