



# XDC 2019

October 2-4, 2019 | Montréal, Canada

#XDC2019

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# Welcome to Montréal!



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# First, and foremost... WIFI!

- Network: ConcordiaGuest
- Access code: **WAC-XORG2019**

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Concordia's guest wireless access is intended to give visitors temporary access to the University wireless network. It is an open, unencrypted access method and is not recommended for sensitive browsing.

Enter your wireless access code to continue to self-registration.

Access Code

Continue to self-registration



Self-Registration

\* Name:

Please enter your full name.

\* Phone Number:

Canada Guest phone number

\* Email Address:

Please enter your email address.

\* Confirm:

☐ I accept the [terms of use](#)

Register

\* required field



Registration is now complete.

Self-Registration Receipt

Guest's Name:

Guest Name

Phone Number:

Canada Guest phone number

E-mail address:

Guest email address

Log In

Note:

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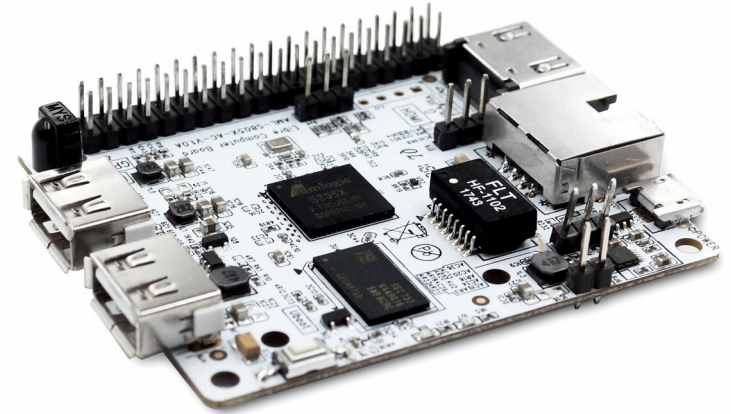
B R O N Z E   S P O N S O R S

**KHRONOS**  
GROUP



# A surprise for attendees...

- A gift from Libre Computer (Bronze sponsor!)
  - “La Frite” board (AML-S805X-AC) & Aluminium frame case
  - Miniaturized hardware platform based on Le Potato
  - Mali 450 GPU, supported by Lima driver
  - V4L2 M2M CODECs in Linux 5.3
  - U-Boot EBBR (Embedded Base Boot Requireme







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S U P P O R T E R S

radxa

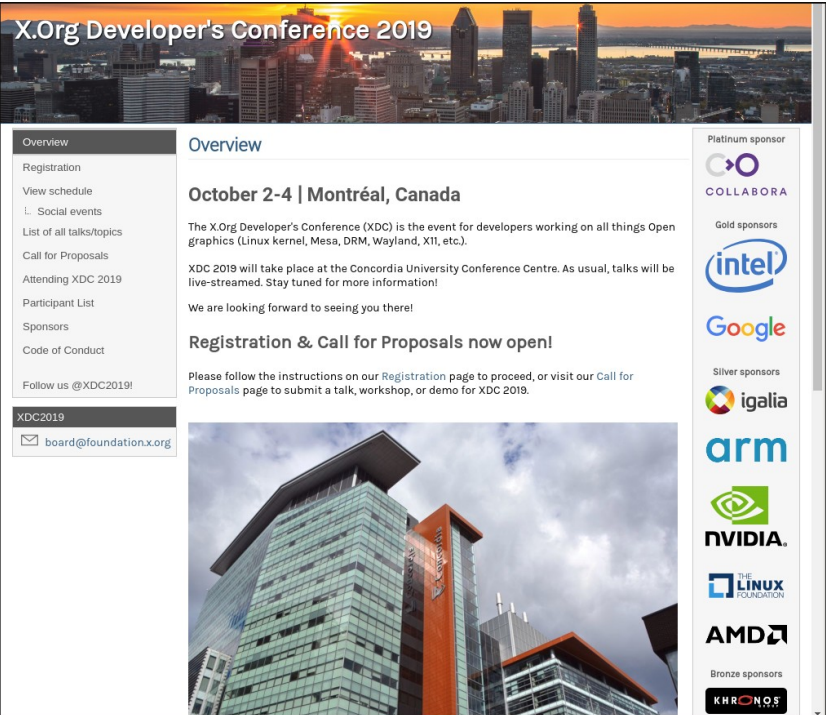
# A surprise for our main track speakers...

- A gift from Radxa (XDC Supporter!)
  - **ROCKPI 4 Single Board Computer & 16 GB eMMC module**
  - Hexa-core ARM based processor, Rockchip RK3399
  - Mali T860MP4 GPU, supported by Panfrost driver
  - (Thank you Alyssa & Ryan!)
  - Stateless video CODECs upstream
  - V4L2 support coming soon!



# Useful information

- Stay connected!
  - Website regularly updated:  
<https://xdc2019.x.org>
  - Subscribe to [events@lists.x.org](mailto:events@lists.x.org)
  - Follow us on Twitter:  
[@XDC2019](#) & use hashtag [#XDC2019](#)



**X.Org Developer's Conference 2019**

**Overview**

**October 2-4 | Montréal, Canada**

The X.Org Developer's Conference (XDC) is the event for developers working on all things Open graphics (Linux kernel, Mesa, DRM, Wayland, X11, etc.).

XDC 2019 will take place at the Concordia University Conference Centre. As usual, talks will be live-streamed. Stay tuned for more information!

We are looking forward to seeing you there!

**Registration & Call for Proposals now open!**

Please follow the instructions on our [Registration](#) page to proceed, or visit our [Call for Proposals](#) page to submit a talk, workshop, or demo for XDC 2019.

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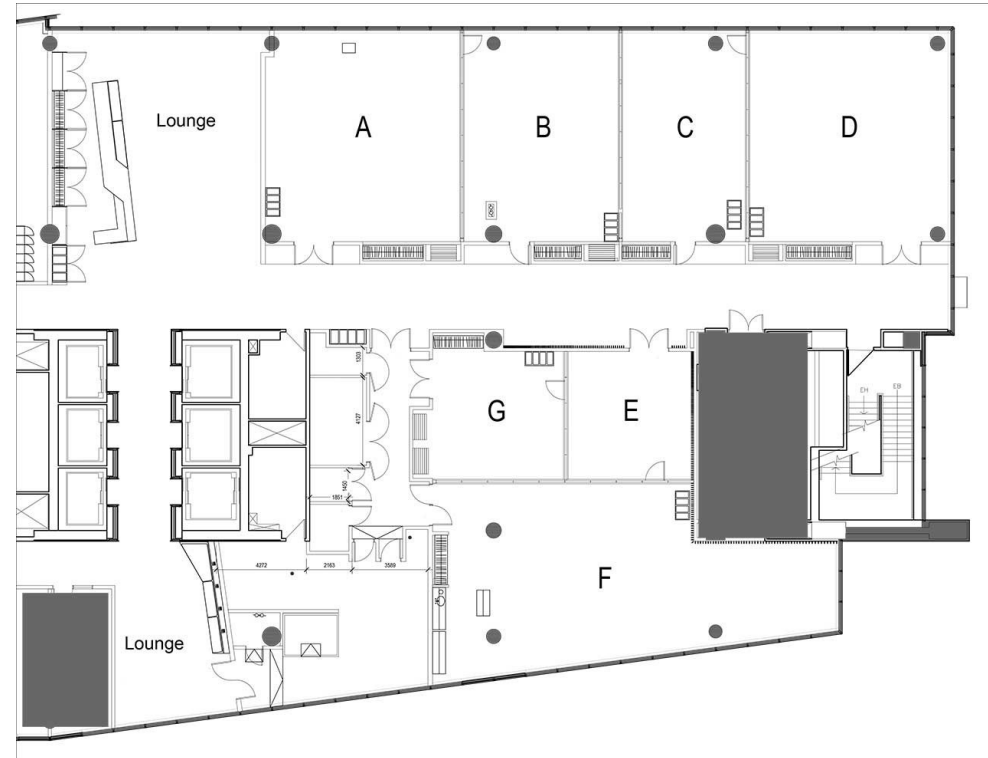
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# Useful information (cont'd)

- Conference Centre layout
  - Room **ABCD** for the main track.
  - Room **EG** for workshops, meetings & coding sessions
  - Catering in **Lounge** area & in front of doors for **BC**.



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# Useful information (cont'd)

- Where to eat?
  - Breakfast & coffee breaks: offered daily in Lounge area
  - Lunch: Multiple restaurant options, all within one block of the venue.
  - Reference:  
<https://montreal.eater.com....>



# Useful information (cont'd)

- Social events!
  - Welcome party last night at Kampai Garden, thank you Collabora for sponsoring!
  - **Tonight:**
    - Bier Markt - 1221 René-Lévesque Blvd West, Montréal
    - One of the best beer list in Montreal  
(150 from over 30 countries and over 40 local crafts)
    - **First round of drinks, whether alcoholic or non alcoholic, sponsored by X.Org!**
    - <https://www.thebiermarkt.com/en/locations/montreal.html>



# Useful information (cont'd)

- **Saturday, October 5: Sightseeing in Old Montréal**
  - For attendees staying beyond the conference.
  - 2-hour, guided walking tour (in English)
  - Attendees will need to cover the costs (\$20 CAD).
  - Following the tour, we'll stop for lunch in the area.
- If you are interested in attending, please let us know as soon as possible by sending an email to [frederic.plourde@collabora.com](mailto:frederic.plourde@collabora.com).



# Today's program - <http://xdc2019.x.org>

09:00	<b>Breakfast</b>  Concordia University Conference Centre 07:30 - 09:30	<b>Opening Session</b> Concordia University Conference Centre 08:30 - 08:50
		<b>Zink: OpenGL on Vulkan</b> Erik Faye-Lund Concordia University Conference Centre 09:00 - 09:45
10:00	<b>Introducing the Vulkan WSI Layer</b> Rosen Zhelev et al. Concordia University Conference Centre 09:50 - 10:10	
11:00	<b>ACO, a new compiler backend for GCN GPUs</b> Bas Nieuwenhuizen et al. Concordia University Conference Centre 10:20 - 11:05	
	<b>Lunch</b>  Concordia University Conference Centre 11:05 - 12:40	
12:00		
13:00	<b>How to not write a back-end compiler</b> Jason Ekstrand Concordia University Conference Centre 12:40 - 13:25	

14:00	<b>Mediump support in Mesa</b> Neil Roberts	13:35 - 14:20
	Concordia University Conference Centre	
15:00	<b>Coffee Break</b>	14:20 - 14:50
	Concordia University Conference Centre	
16:00	<b>Implementing Optimizations in NIR</b> Ian Romanick	14:50 - 15:35
	Concordia University Conference Centre	
17:00	<b>Linux Graphics CI: Standardizing the kernel CI workflow and hardware, and improving our test suites</b> Martin Peres	15:45 - 16:05
	Concordia University Conference Centre	
18:00	<b>Outreachy Internship Report: Refactoring backlight and spi helpers in drm/tinydrm</b> Meghana Madhyastha	16:10 - 16:30
	Concordia University Conference Centre	
	<b>Coffee Break</b>	16:30 - 16:50
	Concordia University Conference Centre	
	<b>Khronos Update &amp; AMA</b> Neil Trevett	16:50 - 17:35
	Concordia University Conference Centre	
	<b>Lightning talks: Demos / Lightning talks</b>	17:45 - 18:15
	Concordia University Conference Centre	

# Workshops, demos & lightning talks

- Two workshops & some demos currently scheduled
- Lightning talks:
  - Two blocks: Today at 17:45 & Friday at 15:45
  - Keep notes during hallway tracks & workshops
  - Present them on Friday afternoon in the lightning talks!
  - Strict rules: 5 minutes & no questions.
- **Submit your ideas via the CFP on the website!**



# X.Org Code of Conduct

- <https://col.la/xdccoc>

## X.Org Conference/Event Anti-Harassment Policy

### Policy

The [X.Org Foundation](#) is dedicated to providing a harassment-free conference experience for everyone. We do not tolerate harassment of conference participants in any form.

Harassment includes, but is not limited to, offensive verbal comments, sexual images in public spaces, deliberate intimidation, stalking, following, harassing photography or recording, sustained disruption of talks or other events, inappropriate physical contact, and unwelcome sexual attention. Participants asked to stop any harassing behavior are expected to comply immediately. We expect participants to follow these rules at all conference venues and conference-related social events.

If a participant engages in harassing behavior, the conference organizers and/or the X.Org Foundation Board may take any action they deem appropriate, including warning the offender or expulsion from the conference. If you are being harassed, notice that someone else is being harassed, or have any other concerns, please contact a conference organizer or member of the X.Org Board immediately.

This policy applies to all events organized by the X.Org Foundation, or for which the X.Org Foundation is the primary sponsor. Events for which the X.Org Foundation is a co-sponsor must have a published harassment policy of their own.



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# X.Org Code of Conduct

- <https://col.la/xdccoc>
- Breaches of the code of conduct should be reported immediately.
- Send an email to any member of the commission:
  - Daniel Stone: [daniels@collabora.com](mailto:daniels@collabora.com)
  - Lyude Paul: [lyude@redhat.com](mailto:lyude@redhat.com)
  - Manasi Navare: [manasi.d.navare@intel.com](mailto:manasi.d.navare@intel.com)
  - Keith Packard: [keithp@keithp.com](mailto:keithp@keithp.com)
- XDC Organization phone number: \_\_\_\_\_



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# Questions?

- Need help during the conference?

Contact me!

- [mfilion@collabora.com](mailto:mfilion@collabora.com)
- +1-514-826-7753





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