



# Table of Contents

## [Event Background](#)

### [Who Attends?](#)

### [Important Dates](#)

## [Submission Topics / Themes](#)

### [Technology in Teaching, Learning and Administration](#)

### [Advanced Research Computing](#)

### [Shaping the Digital Landscape](#)

## [Submission Types](#)

### [Research Paper Presentation](#)

### [Single / Multi-Speaker Presentation](#)

### [Panel Discussion](#)

### [Technical Demonstration](#)

### [Longer Session / Workshop](#)

### [Posters](#)

### [Abstract Requirements](#)

## [Instructions for Submitting](#)

### [Using the Online Submission System](#)

### [Submission Support Articles](#)

## [Process for Approving Proposals and Key Dates](#)

## [Questions / More Information](#)

## Event Background

Join the largest gathering of Canadian campus IT leaders and advanced research computing experts and researchers June 19-22, 2016 as CUCCIO, Compute Canada and the University of Alberta combine two annual national conferences:

- Canadian Higher Education Information Technology (CANHEIT), under the direction of CUCCIO; and
- the High Performance Computing Symposium (HPCS), under the direction of Compute Canada.

CANHEIT | HPCS 2016 will offer a unique platform to explore the latest best practices, opportunities and challenges in advanced research computing and IT in higher education.

## Who Attends?

As a joint event, CANHEIT | HPCS 2016 will attract a diverse mix of researchers, IT professionals, and decision-makers with backgrounds in information technology, advanced research computing, data management, and digital infrastructure.

CUCCIO represents 57 universities across Canada, serving more than 95% of the country's university students. Driving operations, research and learning through IT innovation, CUCCIO Members regularly seek to learn about industry developments, set best practices, and investigate new technologies.

Compute Canada deploys state-of-the-art advanced research computing (ARC) systems, storage and software solutions at over 70 institutions across Canada for more than 12,000 Canadian researchers and their collaborators in all academic and industrial sectors.

More than **650 delegates** are expected to attend, including:

- IT senior management, project managers, system architects, technical support staff, developers, data administrators
- Academic faculty, postdoctoral fellows, and graduate students in the sciences, engineering, medicine, arts, and the humanities
- Chief Information Officers and Chief Technology Officers
- Technology companies, solution providers, and IT professionals
- Policy decision-makers and funding bodies
- Advanced research computing and big data experts

## Important Dates

<b>March 31, 2016</b>	Deadline for Submissions ( <i>extended from March 14, 2016</i> )
<b>April 11, 2016</b>	Notification of Submission Acceptance
<b>April 30, 2016</b>	Early Bird Registration Ends
<b>June 19-22, 2016</b>	Conference Dates

## Submission Topics / Themes

The theme of the conference is ***“Shaping the Digital Landscape”*** with a focus on exploring how technology and computing is changing the way we teach, learn, research and discover.

The following subjects and topic areas are provided as a starting point and are not intended to limit your thinking. If you have an idea or proposal that you feel would be of interest to attendees but doesn't appear to “fit” within these suggested categories, you are welcome to submit it for consideration.

Note: You may also select more than one topic area on the submission system which you feel your proposal relates to, or select “other” and indicate in your abstract a new topic.

## Technology in Teaching, Learning and Administration

These sessions will highlight best practices and share ideas around the management and evolution of campus information systems, learning systems and digital infrastructure.

- Implementing, managing and supporting teaching and learning technologies including LMS's, MOOC's, classroom, and remote teaching technologies
- Engaging faculty with the integration of technology into teaching and improving student outcomes
- Using analytics to help drive critical institutional outcomes
- Addressing the “new order” of things, including the consumerization of technology and the “bring your own device” (BYOD) phenomenon
- Integrating non-traditional devices into your campus infrastructure
- Network planning in an era of increased demands and expectations for access and availability and supporting wireless device explosion
- Assessing risk, planning for the unthinkable and ensuring the institution can continue to run
- Defining, implementing and evolving a client centered service culture
- Assessing and implementing new models for the delivery of IT services
- Identifying and addressing the skills, staffing, and organizational models needed to facilitate changes, openness and agility
- Strategies for acquiring and retaining talent in a highly competitive market
- IT funding models that sustain core services, support innovation, and facilitate growth
- Implementing robust portfolio and project management processes and services and advancing a culture of continuous improvement

## Advanced Research Computing

These sessions will showcase expertise and explore innovations in advanced research computing (ARC). Topics will range from the latest ARC tools and techniques research groups are using to advance their work, to the opportunities and challenges around digital infrastructure delivery and policy in Canada.

- ARC applications in any discipline (i.e. the sciences, engineering, medicine, humanities, etc.), in particular:
  - Artificial Intelligence and Deep Learning
  - Genomics and Personalized Medicine
  - Digital Humanities
  - Earth and Environmental Sciences
- Innovations in computational research (i.e. software, storage solutions, cloud technology, GPU computing, etc.)
- Using ARC for simulations and modelling
- Research data management: Challenges, opportunities and lessons learned

- ARC national policies, strategies and delivery models
- Canadian leadership in international research projects
- Innovations in platform / portal tools & software development
- Tools, techniques and advances in data visualization
- Research collaborations and innovations with industry

## Shaping the Digital Landscape

In recognition of the overlapping interests between the CANHEIT and HPCS communities, the Program Committee is also interested in receiving submissions that are more broadly related to our overall conference theme of “*Shaping the Digital Landscape*”. These sessions will host topics and speakers in general and common areas of interest within campus IT and advanced research computing, including:

- Game-changing tools and technologies
- Data privacy and security
- Sustainability / Green IT
- Professional and personal development
- Women in technology
- Challenges and solutions for data virtualization, federation, and integration

## Submission Types

CANHEIT | HPCS 2016 welcomes submissions of:

- oral presentations on a research paper
- single / multi-speaker presentations on other theme-related topics
- panel discussion
- technical demonstrations
- longer sessions (ie. half- to full- day workshops, hack-a-thons, tutorials)
- posters

See below for more details on each submission type. If your presentation involves more than one speaker, please note this in your abstract or the “Author” section in the submission site. Final session times may be modified based on programming considerations.

### Oral Presentation on a Research Paper

- Presentation Time: 20 minutes (15 min presentation, 5 min for questions)
- Topics should align with at least one of the conference track themes
- Papers in similar topics will be grouped together to form a single session in the program
- Content must reference work currently underway or completed within the last year
- Speakers may use presentation slides

## Single / Multi-Speaker Presentation on Other Theme-Related Topics

- Presentation Time: 20, 30 or 50 minutes (includes time for questions)
- Topics should align with at least one of the conference track themes
- One speaker may use the full time slot, or two or more speakers can share the time
- Speakers may use presentation slides

## Panel Discussion

- Presentation Time: 50-80 minutes (includes time for questions)
- Topics should align with at least one of the conference track themes
- Panel sizes may range from 3-5 speakers, in addition to a moderator or chair.
- Speakers may use presentation slides

## Technical Demonstration\*

- Presentation Time: 20, 30 or 50 minutes (includes time for questions)
- Topics should align with at least one of the conference track themes
- Includes presentations by one or more people that showcase a tool or process within either IT or advanced research computing
- Speakers may use presentation slides

## Longer Session / Workshop

- Presentation Time: Flexible / To Be Determined
- These sessions may be technical/instructional or involve more interaction with participants and therefore require a longer time slot
- Topics should align with at least one of the conference track themes
- Speakers may use presentation slides and other workshop materials

## Posters

- Posters will be displayed outside the CCIS lecture halls from noon Monday, June 20 until the morning of Wednesday, June 22.
- There will be a special Poster Reception event on Tuesday evening to award poster prizes and give all authors a chance to share their work with delegates.
- Posters must be printed by the submitter in A0 portrait format.
- Content must reference to work currently underway or completed within the last year.

\*Please note that any presentations given by or with vendors must be of a technical / workshop nature and not focused on marketing or lead generating.

# Instructions for Submitting

## Abstract Requirements

All submissions must include a 250-word abstract that provides the Program Committee with the information it needs to assess your submission's merit for inclusion in the CANHEIT | HPCS 2016 program. Paper and poster submissions should reflect work currently underway or completed within the last year.

Your abstract should clearly address the following questions:

- What is the problem you are / were trying to address?
- What challenges did you encounter and how were they addressed?
- What role did technology/advanced research computing play?
- What were your key learnings, research outcome(s), and/or method(s)?
- What are the takeaways for the audience?
- Please highlight best practices and success stories if applicable.
- Please include any other pertinent information you feel the Committee should consider.

Submissions for **technical demonstrations** and **longer sessions** should also include:

- Any unique equipment, space or audio/visual support required (ie. computer lab facility, breakout rooms, video recording, etc.)

You will be able to edit your submission as many times as you would like and can submit multiple proposals up until 11:59 pm EST **March 31, 2016**.

## Using the Online Submission System

- 1) Go to our online submission site: <http://canheit-hpcs2016.exordo.com/>
- 2) The first time you visit the site you will need to set up an account. You will be asked to enter your email, first and last name and a password to use to login to the site. A confirmation email will be sent to you to confirm these details and provide links to further help using the system.
- 3) You will be brought to your CANHEIT-HPCS 2016 conference dashboard. In the top-left corner, you will see a section of the page captioned 'To Dos'.
- 4) Click on the 'Submit a Paper' to-do.
- 5) You will be brought to the Submission workflow and the guide for authors page. Proceed through the workflow and enter your abstract and speaker information.

## Submission Support Articles

Please refer to the support articles below for additional help with the submission system, or email [canheit-hpcs-info@ualberta.ca](mailto:canheit-hpcs-info@ualberta.ca).

- [How to Submit an Abstract / Paper](#)
- [How can I check if my abstract has been submitted?](#)
- [How to edit your submission](#)
- [Will authors automatically receive a submission receipt?](#)
- [How do I remove an abstract?](#)
- [What does it mean when a submission is withdrawn?](#)
- [What does it mean when a submission is pending?](#)

## Process for Approving Proposals and Key Dates

- All session proposals will be reviewed by the CANHEIT-HPCS Conference Program Review Committees **after March 31, 2016**.
- Applicants will be notified of acceptance **by April 11, 2016**.
- **Applicants must confirm their acceptance by April 22, 2016.**
- Presenters are responsible for registering as a speaker for the conference, making travel arrangements and covering the costs of travel, hotel and conference registration fees.
- Early Bird registration ends **April 30, 2016**.
- Conference Dates: **June 19-22, 2016**. Sessions will begin on the morning of June 20 and run until noon June 22.

## Questions / More Information

If you have questions about the Call for Submissions or would like more information on any aspect of the event, please contact [canheit-hpcs-info@ualberta.ca](mailto:canheit-hpcs-info@ualberta.ca).