

Welcome

- We will get started promptly at 10:00am ET.
- Please mute your microphone.
- You might not hear any sound until we start.
- Please contribute to the discussion using the Chat window.
- Use the “Raise hand” to talk.
- Add your name to the attendance:
 - <https://tinyurl.com/SIGHPCEDU2022>
- The meeting will be recorded to help us document the discussion. Your name, voice or likeness will not be posted publicly.

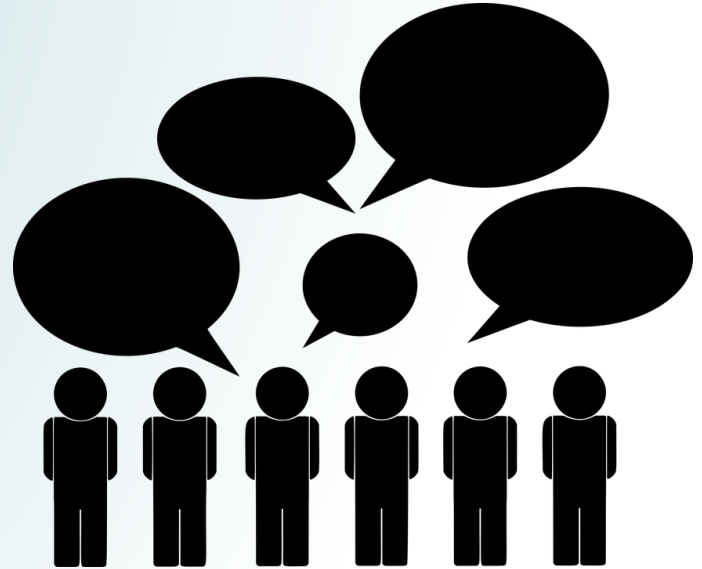
SigHPC Education Chapter

A virtual special interest group of the ACM

General Meeting and Brainstorming Discussion
January 11th, 2022

Chatter

- Type your response into the chat window, but **WAIT** to hit enter
- Listen for the countdown (three, two, one, **CHAT!**)
- Hit enter and watch the responses scroll through the chat window!



Chatter

What rolls/tasks/projects do you hope to take on now that the pandemic is almost over?

Continue the conversation

Please use the Chat window to continue the conversation.

We are brainstorming here, so please write down any ideas that pop into your mind during the discussion.

Agenda

- **Welcome and Meeting goals**
- Evaluation of Current Project and Activities
- Plans for New Projects and Activities
- Request for participation

Broader Philosophy

- The HPC Education community is composed of multiple players doing their own thing.
- SigHPCEdu was envisioned as a bridge and coordinating body between these programs.
- We would like SigHPCEdu virtual chapter to be of service to the community.
- To be of service we need to know what you need and how we can help.

Post-Covid Chapter Restructuring

- The pandemic has hit us all hard.
- Work and volunteer fatigue are a real thing.
- How can we use this time to evaluate the role of the chapter and what is the best way to support our members?

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SigHPCedu Chapter Committees

- **Computational Science Education**
- **Awards**
- **K12**
- **Systems Professionals**
- **Workshops**
- **Outreach**

Computational Science Education

Developing strategies to incorporate and/or enhance computational science education at all levels of education

- Over the last year we merged this committee with the Education Content Committee as they found themselves working on similar problems.
- This group has been looking to find ways to support the cataloging and curation of curriculum materials (very difficult to do well).

Co-Chairs: Kate Cahill (kcahill@osc.edu), David Joiner (djoiner@kean.edu),
Julia Mullen (julia.mullen@gmail.com), David Henty (d.henty@epcc.ed.ac.uk)

Chatter

How can the Computer Science Education Committee better support you and your professional goals?

- What should we stop doing?
- What should we start doing?
- What should we continue doing?

Awards

Establishment of awards for outstanding contributions in education.

- This is a new committee for 2020. We spent the year working with the SIGHPC chapter and the ACM to propose an award to recognize those who have made outstanding contributions to computational science education.

Organizer: Steven Gordon (sgordon20@gmail.com)
<https://sighpceducation.acm.org>

Chatter

How can the Awards Committee better support you and your professional goals?

- What should we stop doing?
- What should we start doing?
- What should we continue doing?

K12

Supporting educators introducing HPC & Data Science concepts in pre-university settings

- Working on a project to offer accelerated credentials to K-12 and undergrads by September 2022.

Co-Chairs: Dhruva Chakravorty (chakravorty@tamu.edu),
Alistair Grant (a.grant@epcc.ed.ac.uk)

<https://sighpceducation.acm.org>

Chatter

How can the K12 Committee better support you and your professional goals?

- What should we stop doing?
- What should we start doing?
- What should we continue doing?

Systems Professionals

Identification and promotion of materials geared towards initial entry and professional development of the wide range of professionals who help to manage HPC systems.

Co-Chairs: Adam Hough (adam.hough@gmail.com)

Shelley Tillotson (jtillots@ucar.edu)

<https://sighpceducation.acm.org>

Chatter

How can the System Professionals Committee better support you and your professional goals?

- What should we stop doing?
- What should we start doing?
- What should we continue doing?

Workshops

Coordinating and managing in-person and virtual events to bring together the community to discuss topics of interest

- Eighth SC Workshop on Best Practices for HPC Training and Education (BPHTE21)@ SC21
- Fourth Workshop on Strategies for Enhancing HPC Education and Training (SEHET21) @ PEARC21

Co-Chairs: Nia Alexandrov (nia.alexandrov@gmail.com),
Nitin Sukhija (nitin.sukhija@sru.edu)

<https://sighpceducation.acm.org>

Chatter

How can the Workshop Committee better support you and your professional goals?

- What should we stop doing?
- What should we start doing?
- What should we continue doing?

Outreach

Distributing information about the activities of the chapter, including advertising workshops, recruiting webinar speakers and blog entries.

- This group has been acting as the publicity arm of the chapter and has been the group responsible for organizing and promoting chapter virtual webinars.
- Bringing GPU Accelerated Computing to the classroom
- A Collaborative model for expanding access to computational and data science education

Co-Chairs: Weronika Fillinger (fillinger@epcc.ed.ac.uk),
Steven Gordon (sgordon20@gmail.com)

<https://sighpceducation.acm.org>

Chatter

What projects would you like to see the Outreach Committee Take on in the next year?

- What should we stop doing?
- What should we start doing?
- What should we continue doing?

Chatter

What other ideas do you have so that the SigHPCEdu chapter can best support you?

Agenda

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Post Covid Planning

This meeting is just the start of the conversation.

Over the next year the SigHPCedu team would like to hold multiple strategic planning meetings to update how we can best support the community.

We need your help!

Officer Elections

The officers of this Chapter shall be: Chair, Vice Chair, and Secretary. These officers constitute the Council. Other officers may also be established.

The officers shall be elected by a plurality of the votes cast at the annual election to be held in May. They shall take office on May 15th and serve for one year.

Website Update

The Leadership team is putting together a group to make updating the website a priority. If you are interested in helping please contact Dirk and Scott.

How Can You Help?

- Be a leader
 - Join one of the committees and share your expertise.
 - Submit your name for one of the officer positions.
- Be a contributor
 - You have important ideas, techniques, and approaches that need publicity – write a blog post.
 - You have great training materials - send us the links.
 - Got an important announcement related to HPC education or training? Send email and the officers will disseminate if approved.

Current Leadership

Chair: Dirk Colbry

Vice-Chair: Scott Callaghan

Secretary-Treasurer: Kate Cahill

At-Large: Nitin Sukhija

At-Large: David Joiner

At-Large Pacific: Ann Backhaus

At-Large Europe: Martin Callaghan

officers@sighpceducation.acm.org

Computational Science Education: Kate Cahill

Computational Science Education: David Joiner

Workshop: Nitin Sukhija

Workshop: Nia Alexandrov

Outreach: Weronika Fillinger

Outreach: Steven Gordon

Systems Professional: Jenett Harrell

Systems Professional: Shelley Tillotson

K12: Dhruva Chakravorty

K12: Alistair Grant

You're invited to the community – join us!

<https://sighpceducation.acm.org>
officers@sighpceducation.acm.org

** Chapter members do not need to be members of ACM or enrolled with an educational institution. Membership is \$10 for professionals and \$5 for students

<https://sighpceducation.acm.org>