ACM SIGHPC Education Chapter
Annual Meeting

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Welcome!

• Thanks for joining us!
• Today’s agenda:
  • Highlights from the past year
  • Current committee activities
  • Discussion to get feedback from you
  • Wrap-up looking ahead to next year
• Excited to hear your thoughts about the chapter!
2023 Chapter Activities

• Workshops
  • PEARC23
  • SC23

• Webinars
  • Global Seminar Series from CHPC and EPCC
  • Computational Physics in the Classroom
  • EESI scientific software stack
  • Archived on YouTube channel
    (https://www.youtube.com/@chairsighpceducation1083/featured)
2023 Chapter Activities

• Quarterly newsletter
  • Keep you informed about chapter happenings
  • Planning to expand it in 2024

• Undergraduate summer opportunities
  • List available at [https://sighpceducation.acm.org/resources/ugsummerresources/](https://sighpceducation.acm.org/resources/ugsummerresources/)
  • Please let us know about additional programs!

• Surveyed membership
  • Thanks to those of you who responded!
  • Planning to improve promotion of chapter events
Chapter Committees

• Organized into 5 committees, focused on different parts of our mission
  • Computational Science Education
  • K-12 Education
  • Outreach
  • Workshop
  • System Professionals

• Brief presentations from each about their past activities and future plans
Computational Science Education Committee

- Kate Cahill, NJIT & David Joiner, Kean University – co-chairs
- Starting monthly meetings January 24, 2024 9am eastern
- Metadata working group – HPC-ED project [https://hpc-ed.github.io/](https://hpc-ed.github.io/)
- Review/Share Curriculum projects & initiatives
- Interested in ideas for working groups
- Send us your ideas for topics, speakers, or projects to highlight
  - kjc59@njit.edu
  - djoiner@kean.edu
K-12 Committee Goals

• Led by Dhruv Chakravorty (dkchaks1@gmail.com) and Georgia Stuart (gstuart@umass.edu)
• Develop pathways for K-12 students to learn about HPC and Data Science
• Identify and curate resources for this audience
• Support professional development for teachers
• Build community for people working with K-12 students
SC Teach the Teacher

• Begun in SC22
• Official part of the SC23 program (on Saturday)
• For high school teachers interested in incorporating cybersecurity and data science into curriculum
• IEEE education certificate awarded
• Great hands-on experience and opportunity for teachers to learn more about the SC community

January 9, 2024
Outreach Committee

Steven Gordon, co-chair (sgordon20@gmail.com)
Weronika Filinger, co-chair (w.filinger@epcc.ed.ac.uk)
Activities for 2023

• Promote the chapter’s education goals through webinars, blog posts, and social media

• Maintain communication channels through announcements of chapter events and activities

• 2023 accomplishments
  • Major update of the website
  • Five webinars on a variety of education and training topics
  • Additions to the chapter blog
  • Promotion of chapter workshops at major conferences
Volunteer for 2024

• Contribute a blog post to highlight your related training and education activities

• Participate in a webinar
  • Single topic providing an overview of a major project
  • Panel discussion on approaches to computational science and HPC education and training

• Update the list of training and education materials on the SIGHPC Education website. Check the current list for broken links, find updated links.

• Serve on the committee to guide outreach activities
ACM SIGHPC Education Chapter Workshops Committee

coordinating and managing in-person and virtual events to bring together the community to discuss topics of interest
Accomplishments include:

- 9 Years of working with and supporting community
- Members from over 16 countries
- Education and Training workshops in many national and international conferences including SCXX, PEARCXX and ISCXX
- Best Practices in HPC Training and Education sessions completed 10 Year at Sc23
- Workshops planned for PEARC24, ISC 24 and SC24
- Please suggest other conferences we should pursue.
- Outreach Activities in international conferences and events
- Numerous BOFs
- Publication in Journal of Computational Science Education

Please email at nitin.sukhija@sru.edu to join.
HPC Systems Professionals Chapter

John Blaas
Leadership

- John Blaas (NCAR) - Chair
- David Clifton (Ansys) - Vice Chair
- John Legato - Treasurer
- Adam Hough - (Shell) - Secretary
- Stephen Fralich - (Boeing) - Membership Chair
- William Scullin - (Laboratory for Laser Energetics) - Member-at-Large
- Honwai Leong - (DDN) - Member-at-Large
At a glance

- SC Workshop
  - Half day workshop on Sunday in the morning
- PEARC BoF
  - Well attended BoF that was put on by Jenett Tillotson
- Active Slack - over 1,000 members now
- Active Member count: 113 dues paying members
- Social Events
  - We have been putting on social events with the CaRCC Systems Facing group
    - PEARC
    - SC
SIGHPC Education Plans for next year

• SC Workshop
  • Planning to submit again for a full day workshop slot
• PEARC Workshop
  • Planning to submit again for a workshop at PEARC
• ISC BoF
  • First proposed event at ISC
• HPC-AI Swiss Conference
  • collaborating with HPC Advisory Council on program

• Stronger support for Students @ SC
• Leadership elections!
Plans for 2024

• Global Seminar Series: “Diary of a Pawsey Intern”
  • Panel discussion showcasing student perspectives on 10-week HPC summer internships in Australia
  • Late February
• 2024 Award for Outstanding Contributions to Computational Science Education
  • Nominations will open in March
  • Consider nominating someone to recognize their achievements
• Elections in April
  • All positions are up for election for 2-year terms
  • Consider running to help shape the chapter!
Thanks!

• We appreciate your involvement!
• Feel free to reach out to us with ideas anytime
• Join the Slack channel: https://bit.ly/sighpcedu_slack