EduHPC-19: Workshop on Education for High-Performance Computing
+ NSF/TCPP Curriculum Initiative

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Big Thanks to EduHPC’19 Organizers!

- **Program Chair and Co-Chair:**
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  - Charles Weems, U Massachusetts
  - Ramachandran Vaidyanathan, LSU

- Next Workshops
  - EduHiPC @HiPC, Dec 17, India
  - EduPar’20 at IPDPS, New Orleans, May

- Watch for CFPs in Spring’20
  - JPDC Special Issue – for Edu* 2018-19
  - CDER Book vol 3
    - Early adopter experience

- Sponsors:
  - Intel, NSF, IEEE TCHPC, IEEE TCPP
NSF/TCPP Curriculum Initiative
What should every Computer Science and Engineering Student know about Parallel and Distributed Computing (PDC)?
http://www.cs.gsu.edu/~tcpp/curriculum/

• Aspects: Energy, Distributed, Big Data, Pervasive topics
• Timeline:
  • Beta Version-1.9 @ IPDPS’19
  • Ongoing revision based on expert reviews
  • Public review release Dec’19
• 2 pm: Session on Curriculum Update:
  • Feedback/Participation needed
• New: NSF Institute Planning Grant => 4 planning workshops
  • SC’19 (Mon - tomorrow) – by invitation
  • SIGCSE’20
  • IPDPS’20
  • NSF – Fall’20
NSF/TCPP Curriculum Initiative – contd.

- **CDER Book series:**
  - Vol 1: Topics in Parallel and Distributed Computing
    - Introducing Concurrency in Undergraduate Courses, *Morgan Kaufman*
  - Vol 2: Topics in Parallel and Distributed Computing
    - Enhancing the Undergraduate Curriculum: Performance, Concurrency, and Programming on Modern Platforms, *Springer*
  - **Free Pre-Print Version** on CDER site
  - Upcoming CFP for 3rd Volume – Experience of Adopters
    - Exemplars + Resources on courses and topics

- **CDER Heterogenous Cluster**
  - Multi-core, GPU, Shared/Distributed Memory, *Hadoop/Spark*
  - Ask for class accounts