CASC Spring 2019 Meeting

March 20-22, 2019
Westin Alexandria, Virginia

Thank you to the Program Committee Members:

Marisa Brazil, Purdue University
Dhruv Chakravorty, Texas A&M University
Richard Gerber, Lawrence Berkeley National Laboratory
Nick Maggio, University of Oregon
Ruth Marinshaw, Stanford University
Jeff Pummill, University of Arkansas
Ralph Roskies, University of Pittsburgh

Lisa Arafune, CASC Director (Ex Officio)
Neil Bright, CASC Vice Chair (Ex Officio), Georgia Institute of Technology

Wednesday, March 20

8:30 am  Registration open, Breakfast
NEW and First-time attendees welcome breakfast table  Edison Foyer

9:00 -12:00 pm  Academic Usage of Data Centers and Clouds ROI working group - Welcome  Edison EFG
Curtis Hillegas, Princeton University
Alan Sill, Texas Tech University

9:00 - 9:30 am  Cloud ROI Survey: Current status and near-term plans  Edison EFG
Facilitator: Curt Hillegas (Princeton University)
1) Review of relevant past surveys
2) CASC survey

9:30 - 10:15 am  Cost accounting considerations  Edison EFG
Facilitator: Curt Hillegas (Princeton University)
1) Discussion: How do we compute the full cost of running on premises vs. in co-location or in the commercial cloud? (With examples)
10:15 - 10:45 am  Coffee Break  Edison Foyer

10:45 - 11:15 am  Discussion: Consortium pricing and shared-cost academic infrastructures  Edison EFG
   Facilitator: Alan Sill (Texas Tech University)
   1) Discussion of possible applicable organizations that could pursue consortium pricing from commercial providers
   2) Development of shared resources that could include a cost basis, such as the CCC project, etc.

11:15 - 12:00 pm  Discussion: Challenges for R&D in the cloud  Edison EFG
   Facilitator: David Hudak (Ohio Supercomputer Center)
   1) Provisioning and using academic software
   2) Adapting university accounting systems for use of cloud resources
   3) Developing and supporting collaborative facilities to support academic research

12:00 noon  Lunch  Edison Foyer

1:00 - 1:15 pm  Welcome by CASC Chair  Edison EFG
   Sharon Broude Geva, University of Michigan, CASC Chair

1:15 – 2:30 pm  A Peek over the Quantum Horizon  Edison EFG
   Moderator: Nick Maggio, University of Oregon
   Patrick Dreher, North Carolina State University
   Margaret Martonosi, Princeton University

2:30 – 3:30  MAGIC: The Federal Large Scale Networking Interagency Working Group  Edison EFG
   Moderator: Richard Gerber, Lawrence Berkeley National Lab
   Richard Carlson, Department of Energy
   Vipin Chaudhary, National Science Foundation
   Joyce Lee, National Coordination Office for Networking and Information Technology Research and Development
3:30 – 4:00
**Coffee Break**

4:00 – 4:30
**Business meeting - Open to Member Institutions**
CASC Chair - Sharon Broude Geva, Chair
Membership - Craig Stewart, Secretary
Finances - Scott Yockel, Treasurer
Program Committee - Neil Bright, Vice Chair
Washington Report - Lisa Arafune, Director

4:30 - 5:45
**Mission & Vision Discussion; Bylaws Committee Callout**
Moderator: Erik Deumens, University of Florida, Mission & Vision Committee Chair
Thank you to the Mission & Vision Committee Members:
Tom Cheatham, University of Utah
Erik Deumens, Committee Chair, University of Florida
Curt Hillegas, Princeton University
Ruth Marinshaw, Stanford University
Barr von Oehsen, Rutgers, The State University of New Jersey
Ralph Roskies, University of Pittsburgh
Patrick Schmitz, University of California, Berkeley
Andrew Sherman, Yale University
Dan Stanzione, University of Texas, Austin
John Towns, University of Illinois, Champaign-Urbana
Ralph Zottola, University of Alabama, Birmingham

5:30 – 7:00
**Welcome Reception**
Heavy hors d'oeuvres

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**Thursday, March 21**

8:00 am
**Breakfast**

8:30 – 9:00 am
**Mission & Vision Part II; Bylaws Committee Callout**
Moderator: Erik Deumens, University of Florida, Mission & Vision Committee Chair
CASC Spring 2019 Meeting

9:00 – 10:30 am
**National Science Foundation Office of Advanced Cyberinfrastructure: Update on OAC; Introduction of New Program Directors; Townhall on CI Vision & Blueprint**

- Manish Parashar, NSF CISE/OAC
- Amy Friedlander, NSF CISE/OAC
- Vipin Chaudhary, NSF CISE/OAC

10:15 - 10:45 am
**Coffee Break**

Edison EFG

10:45 – 11:15 am
**An Association Example: Government Affairs Committee**

Damon Dozier, Materials Research Society

Edison EFG

11:15 – 12:00 noon
**What is Federal Relations? A University Perspective**

- Suzanne Day, Harvard University
- Anthony Gibson, University of Pittsburgh
- Robert Knotts, Georgia Institute of Technology

Edison EFG

12:00 – 1:00 pm
**Lunch**

Foyer

1:00 – 1:15 pm
**CaRCC**

- Tom Cheatham, University of Utah

Edison EFG

1:15 - 2:15 pm
**Workforce Development: The Importance of Diverse Teams**

Moderator: Marisa Brazil, Purdue University

- Rosio Alvarez, Lawrence Berkeley National Laboratory
- Ben Rogers, University of Iowa
- Carol Song, Purdue University
- Patrick Schmitz, University of California, Berkeley

Edison EFG

2:15 – 3:15 pm
**National Science Foundation**

- Jim Kurose, NSF

Edison EFG

3:15 - 3:30 pm
**Coffee Break**

Edison Foyer

Agenda continues on reverse • For complete titles and biographical information see Speaker List
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<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>3:30 - 4:30 pm</td>
<td>AAAS S&amp;T Policy Fellowships</td>
<td>Edison EFG</td>
<td>Moderator: Jessica Soule, AAAS</td>
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<td>4:30 - 5:00 pm</td>
<td>Cloud Experiences</td>
<td>Edison EFG</td>
<td>Moderator: Jeff Pummill, University of Arkansas</td>
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<td>Dave Hudak, The Ohio State University</td>
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<td>Alisa Kang, Georgetown University</td>
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<td>Preston Smith, Purdue University</td>
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<td>5:00 - 5:30 pm</td>
<td>Developing Revenue Streams</td>
<td>Edison EFG</td>
<td>Moderator: Nick Maggio, University of Oregon</td>
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<td>Preston Smith, Purdue University</td>
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<td>6:15 – 9:00 pm</td>
<td>Dinner</td>
<td>Bilbo Baggins Restaurant</td>
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<td>Bus 2: 6:30 pm departure from Westin front door</td>
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<td>Return to Westin:</td>
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<td>Bus 1: 8:45 pm departure from Bilbo Baggins</td>
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<td>Bus 2: 9:00 pm departure from Bilbo Baggins</td>
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**Friday, March 22**

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<th>Time</th>
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<th>Speaker(s)</th>
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<tr>
<td>7:30 am</td>
<td>Breakfast</td>
<td>Edison Foyer</td>
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<tr>
<td>8:15 – 9:15 am</td>
<td>Lightning Talks - 5-8 min with 2-3 slides max</td>
<td>Edison EFG</td>
<td>Amy Apon, Clemson University, <em>ECAS update</em></td>
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<td>Alisa Alering, Indiana University, <em>Science Node status and plans at more than 100,000 readers</em></td>
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<td>Craig Stewart, Indiana University, <em>Humanware in cloud computing project</em></td>
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Rajendra Bose, Columbia University, **Collaboration through an NIH Data Science Consortium**

Mehmet Belgin, Georgia Institute of Technology, **PACE’s efforts for a new approach to HPC Cluster for instructional use (ICE)**

**Open Mic - quick 2-3 min, no slides**

Amy Apon, Clemson University, **Commercial cloud resources for researchers and teaching faculty**

Richard Knepper, Cornell University, **Aristotle/XSEDE joint project**

Vas Vasiliadis, University of Chicago & Argonne National Laboratory Research Computing Center, **Globus sustainability and governance**

Neil Bright, Georgia Institute of Technology, **Upcoming Linux Clusters Institute (LCI) workshops**

Ben Rogers, University of Iowa, **Strategies for Providing Centralized Research Support – What does your campus do?**

Marisa Brazil, Purdue University, **Update on PEARC19**

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| 9:15 – 10:00 am | NIH Open Science Policy Development & NLM Strategic Plan for Data Access and Analytics  
Jerry Sheehan, National Library of Medicine, National Institutes of Health |
| 10:00 – 10:30 am | The View from the NSF  
Fleming Crim, NSF, Office of the Director |
| 10:30 – 11:00 am | UK HPC SIG Update  
Simon Burbidge, University of Bristol  
Alan Real, Durham University |
| 11:00 – 11:30 am | Surveys Surveys Surveys  
Craig Stewart, Indiana University |
| Noon | Adjourn |