Discussion topics:

1. UPDATES FROM GREG MADDEN

- **Follow-up:** Service catalog with comprehensive IT resources for research at Penn State is now available at the following link: [http://researchcomputing.psu.edu/](http://researchcomputing.psu.edu/)
  - Brand new website that is the most comprehensive list of IT resources available to faculty, along with other resources for research.
  - This website is currently on a soft rollout, but is available to everyone now.
  - If you notice something not included that should be, please notify Greg.
- **IBM** coming to campus on Thursday, January 31, at 2:30-4 in 134 HUB-Robeson, to present a free talk on high performance computing.
- **Reimagining IT initiative:** finance and business IT are merging with Enterprise IT in the very near future. Will not yet affect the colleges.
- Greg spoke about one RCCI group that has spent time looking at AI/machine learning data by searching PURE. Their goal is to analyze data concerning who is involved in this research, what are the links to other collaborators, and then to eventually come up with strategies for encouraging and helping this research to grow.
  - Greg shared two graphs showing some data harvested from this search (attached):
    - **AIML-topics** is a graph of topics being researched by Penn State researchers broadly related to artificial intelligence, machine learning, cognitive technologies, immersive technologies, deep learning, autonomous systems, and other related topics. The graph is based on data pulled from Pure, an Elsevier product which allows us to look into the overall output (with some limitations) of Penn State researchers.
    - **AIML-coauthor-network** is a graph of Penn State researchers and their co-authors doing research into the same set of related topics. Because the graph is interactive, I am only sending one screen shot, with the PI at the center of the network highlighted.
  - The visualizations were created by Patrick Dudas (Huck, ECoS, ICS). If you would like to view these graphs, please send Greg an email and he will grant access [gem19@psu.edu](mailto:gem19@psu.edu)
- In an attempt to continue to analyze whether there is a need to expand the existing data center or work to maximize current capability, a full load power test was conducted today. Initial results show it proceeded well, and data will be analyzed.

CONCLUSIONS

1. Faculty: If you need Greg’s help with computing or IT in general, you can contact him at [gem19@psu.edu](mailto:gem19@psu.edu).
## 2. UPDATES FROM MIKE HILLMAN

**DISCUSSION**

- Mike is chair of the COE research committee, and wanted to follow up on an item:
  - Mike covered items within other discussions.

**CONCLUSIONS**

## 3. UPDATES FROM JERRY CIAOLKOSZ

**DISCUSSION**

- ATO (Authorization to Operate), required for data at levels 3 or 4 in local labs.
  - Jerry reported COE now has one fully active ATO, and one more in process. Matt Linderberg is the college IT point person.
  - OSP kicks off the ATO process when it receives notice of an award with secure data requirements. Five offices are involved to coordinate the meeting of the secure data requirements, and they are becoming more efficient in setting this up with each award that they process.
  - The process does take a while, therefore, it is in the PI's best interest to notify OSP that something with secure data requirements is coming, so they can be ready. OSP points of contact are Stacey Bucha and Kris McNitt.
  - There are ways to streamline this process for the PI, by choosing to use data centers already in place, such as ICS ACI. The lengthiest set up time for data security on a new award will be when PI chooses to build their own data systems, rather than using Penn State resources already in place.
  - Compliance with data security requirements was discussed.

**CONCLUSIONS**

## 4. UPDATES FROM ADRI VAN DUIN

**DISCUSSION**

- Adri is chair of the RCCI and a co-chair of the RCC Advisory Committee. He provided the following updates:
  - No current announcements.

**CONCLUSIONS**

Follow up on new developments in GPU computing in next meeting (which will take place around January)

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Minutes by Susie Sherlock, Assistant to the Assoc. Dean for Research.

**ACTION:** Susie will be scheduling the next meeting for late March; a doodle poll will be sent in February.