

## UNIVERSITY COMMITTEE ON ACADEMIC COMPUTING AND COMMUNICATIONS

Monday, October 22, 2018

**Meeting Minutes****I. Chair's welcome, introductions, agenda review, priorities for the year***Maryann Martone, UCACC Chair**Anthony Joseph, UCACC Vice Chair*

After introductions, Chair Maryann Martone described the importance of the Academic Senate in facilitating communication between faculty, administration, and IT. Last year, the committee focused on IT governance structures and data management, stewardship, and governance. An ongoing concern is around third party vendors of data analysis software and services who are aggressively marketing to campus administrations.

Another ongoing topic is UC's policy on data ownership, which is old and does not account for current technology and practices. Campuses have been issuing their own guidelines, which seem to say that the university still technically owns the data, but faculty have to manage and maintain.

UCACC is the focal point for the administration's communication with faculty systemwide on cybersecurity. Last year the committee spent significant time working with ITS on a revised Information Security Policy ("IS-3"), a high level policy that delegates much responsibility to campuses. UCACC will monitor the campus rollout.

Throughout the meeting, committee members expressed interest in having systemwide or campus resources for IT support services for faculty. Major concerns of committee members were around multifactor authentication and data management for sensitive or protected data. There was interest in whether IT satisfaction surveys were collected on campuses.

**Action:** Members should try to find out if their campus has done an IT and infrastructure needs survey. Get the questions and survey results.

**II. Data Management***Maryann Martone UCACC Chair**Tom Andriola, UC Chief Information Officer (via video)***1. UC-wide data management assets: increasing awareness**

UC CIO Tom Andriola said that there are three aspects of data management: identifying assets, supporting resources needed for storage, and planning for long-term data retention. A summit was held three years ago with leaders from IT, research administration, and the libraries to try to plan for a network or "virtual organization" that would support UC's research data needs. Within the Information Technology Leadership Council (ITLC), which is the systemwide CIO group, a subcommittee was created to specifically support the IT needs of research community. This group shares information and practices, which can then be conveyed to campus researchers who may be able to take advantage of the services on other campuses. The group still needs to catalog all of the capabilities and services available.

Committee members liked this concept, but noted that there is a big difference in the needs of researchers by field. Andriola acknowledged that meeting the needs of individual researchers often requires domain knowledge. Much of the time, knowledge about technology is disseminated via

personal connection, as those “in the know” are tapped as experts. It would be a great service to have a curated, up-to-date catalog of IT resource options that included cost.

UCACC could help by putting together list of what every faculty needs to know, which could be part of the on-boarding process. The list would include what assets are available for data management, curation, and governance, as well as the costs and any processes. This will be on the agenda for the next UCACC meeting.

## **2. Faculty Analytics (introduction to topic)**

UCAP’s [letter from July 12, 2018](#), expressed concerns about one company, called Academic Analytics, but there are other data analytics companies and services that provide help with faculty evaluation and performance metrics. The main point is that there should be openness and transparency from the administration; UCACC might want to weigh in on that after consultation with UCOLASC.

## **3. UC Health Data Task Force & New Access for UC Researchers to De-Identified Health Data**

CIO Andriola presented on the UC Health Data Task Force, which was appointed by the President to examine current practices and policies around UC’s use and disclosure of its health data. The primary issue is how UC can balance its duty to safeguard patient health data with the emerging imperative to collect, analyze, and share data on a large scale. The Task Force came up with six principles that include: attention to UC’s mission and responsibility as a public institution, active stewardship, trustworthiness, patient involvement, and sharing of data for public benefit. The Task Force’s report was presented to the President, Chancellors and other leaders. It recommended that UC establish a system-level Health Data Office, led by a Chief Health Data Officer, and a process for evaluating proposals and projects from third parties that involve access to health data. Because of the immediate need for this, an interim process will be put in place until a Chief Health Data Officer is hired.

In discussion, Andriola said that the data would be used for internal as well as external purposes, with the overall goals of improving quality of care and becoming more efficient. Consent will not be sought from the millions of past patients. Going forward, the committee recommended being open, transparent, and engaged with patients. The advisory structure for the new health data office will include patient advocates.

Committee members expressed concern about the consent often required by IRBs and journals, and proposed that UCACC could help to identify the right IRB language.

## **III. Consultation with UCOP’s Information Technology Services**

*Tom Andriola, UC Chief Information Officer*

*David Rusting, Chief Information Security Officer*

*Robert Smith, Systemwide IT Policy Director*

*John Virden, Chief Information Security Officer, UC Riverside*

### **1. Systemwide Electronic Information Security Policy (IS-3) Rollout (Rusting, Smith)**

The revised Systemwide [Electronic Information Security Policy](#) (IS-3) was issued on Sept. 7, 2018. The Academic Senate is designated in the policy as part of the governance structure. The policy includes establishment of information security standards that will function as the administrative, technical, and procedural controls. These can be change and adapted more quickly than policy. Per the policy, the standards are developed by working groups established by the Information

Technology Leadership Council (ITLC). The Academic Senate and/or UCACC have an opportunity to appoint a member to the working group, and will be given an opportunity to review standards before they are issued.

Rusting asked for UCACC's input on the process to involve the Academic Senate. It was agreed that UCACC was the appropriate committee. Committee members were then asked to review the draft standards "Approval Candidates," to consult with their campus committees, and bring feedback by the next UCACC meeting.

**Action:** Committee members agreed to review the draft standards "Approval Candidates" (See <https://security.ucop.edu/policies/>), consult with campus committees and bring feedback by the next meeting.

## **2. IS-3 Policy: Best Practices for Campuses (Virden)**

UC Riverside started using the proposed IS-3 policy in 2017 in a three-phase rollout. CISO John Virden's office began with awareness and analysis, including the formation of a Policy Task Force of ten campus-wide IT leaders, a policy gap analysis and a standards review. In 2018, UCR started integrating the policy into campus practices for risk assessment, procurement process flow, and the annual security inventory. The policy is now being incorporated in stages into ITS units, non-ITS units, and then any remaining units. The plan is for UCR to use IS-3 assessment methods and tools to identify unit assets, determine compliance, assess risk, and document remediation. Outputs from the process will be Unit Security Plans, Risk Treatment Plans, and Risk Exception Forms.

## **3. GDPR: How it affects students and faculty (Andriola)**

European legislation went into effect in May. Work is being done to support the campuses, including training and documentation for all locations (in a shared Box folder). All locations are looking at inventories of materials subject to GDPR. UC Davis has an online tool available, and more campuses will be online soon. The university has already received requests from data subjects asking about their rights; mostly students, applicants, and employees (including graduate students). OGC has been working with Vice Chancellors for research. While much has been accomplished, there is still a lot to be learned, and guidance can be thin.

## **4. Cybersecurity: Update on Threat Detection & Intelligence and Ideas for the Future (Andriola)**

UC Berkeley's implementation of FireEye is now underway and the systemwide Threat Detection and Intelligence (TDI) program continues apace. All campuses will be on the same system and aggregated information will be made available. The fact that UC has TDI in place has been helpful for insurance purposes as it helps to mitigate risk.

There is an "Academic Alliance" community of universities that are collaborating with each other and the Office of Homeland Security. At some point it might be possible for universities to develop their own solution rather than pay for commercial services. FireEye was first paid for out of campus assessments, but the funding now comes directly from the UCOP budget.

## **5. Multifactor Authentication (MFA): Broadening of use, developing standards (Rusting)**

The university is now focusing on requiring multifactor authentication for UCPath. Duo, the software that UC uses for MFA, was just bought by Cisco. UC is working on getting better terms for the Duo contract as the number of users increases.

The committee briefly discussed whether UCACC would want to give recommendations on a reasonable user experience would be with MFA.

## 6. CRGC update (Rusting)

The Cyber Risk Governance Committee last met in August, where UCR CISO John Virden presented on Riverside's experience with IS-3. There is a time reserved at each meeting for faculty topics.

## IV. Working Lunch: Consultation with the Senate Leadership

*Kum-Kum Bhavnani, Academic Council Vice Chair*

*Domestic partner equity.* There is new [eligibility for domestic partners](#) for health and welfare benefits. The changes will be noted in the Open Enrollment information this year.

*Active service modified duties.* Rules have been adapted so that it is equivalent among campuses (2 semesters or 3 quarters).

*Librarians and academic freedom.* The union for represented librarians and some non-Senate academic appointees (not Unit 18 Lecturers) is arguing for academic freedom to be part of their contract. The Academic Council discussed the issue and has sent a [letter](#) to President Napolitano and Provost Brown in support of ensuring that non-Senate academic appointees (including librarians) have proper protections for academic work that they do in the context of their appointments. A task force is being formed to develop a way to ensure appropriate protections.

*NAGPRA (Native American Graves Protection and Repatriation Act).* A new bill was passed in the last legislative session that requires UC to take specified actions in order to get state funding for Native American research. President Napolitano is setting up an advisory committee while Provost Brown is convening a working group to review the current UC policy and propose revisions. Although the bill conflicts with UC's constitutional autonomy, the university is proceeding with changes, including the working group, being mindful of the new bill.

*Elsevier license negotiations.* The Elsevier contract is up for renewal and the libraries are pushing hard for open access improvements. They are developing contingency plans, but there may be some loss of access if the negotiations are not successful. There is now a lot of support from faculty around open access. Communication effort has started.

*Admissions tests.* The Academic Senate will look into the role of standardized tests such as the SAT, ACT, and California "Smarter Balanced" as predictors of educational success. President Napolitano is interested in the findings. By delegated authority, admissions policies are within the purview of the Academic Senate (BOARS, specifically), which is now forming a Task Force composed of members from BOARS, UCEP, and UCOPE to evaluate the value of testing.

## V. Open Infrastructure/Open Access – Joint Meeting with UCOLASC (the University Committee on Library and Scholarly Communication)

*Rich Schneider, UCOLASC Chair*

*Maryann Martone, UCACC Chair*

*Allegra Swift, Scholarly Communications Librarian, UCSD (via video)*

### 1. UCOLASC's [Principles for providing open access at UC](#)

UCOLASC Rich Schneider reviewed the Declaration of Rights and Principles To Transform Scholarly Communication, sent last spring. The idea is to promote open access and to align UC's principles and priorities with its public mission and taxpayer funding.

UCACC agreed to endorse the Principles

**Action:** UCACC will write a letter of endorsement for the UCOLASC Principles.

## **2. Measuring Research Performance and Impact through SciVal, Symplectic, and other platforms (Analytics)**

RIMS, or Research Information Management, is defined as the aggregation, curation, and utilization of information about research. UC San Diego Scholarly Communications Librarian Allegra Swift described two projects, the UC Office of Scholarly Communication RIMS Study, to find out what campuses are using, and the Scholarly Communications Infrastructure Project. Both projects are on-going, and faculty input is welcome (more information on Swift's [slide presentation](#)). UCSD is piloting a system called "Interfolio," for faculty review, tenure, promotion, and activity collection.

The combined committees agreed that the subject touches on a range of Academic Senate committees, and that the issue should be brought to the attention of the Academic Council.

## **VI. Systemwide Review Items**

There was some concern expressed about the "[Proposed Revisions to Presidential Policy on Protection of Administrative Records Containing Personally Identifiable Information](#)," and the potentially weakening of privacy protections in the combined policies. UCACC members are welcome to submit comments to the policy individually or via UCACC or campus committee structure. Comments are due on Dec. 5, 2018.

## **VII. UC Data Network Update**

*John Chodacki, Director California Curation Services (UC3), California Digital Library*

**Background:** See the first item in the [April 16, 2018 UCACC Meeting Minutes](#)

California Digital Library's John Chodacki joined the committee to discuss the UC Data Network (UCDN) pilot, which has been going on for about a year. The pilot focuses on preservation of data that does not have a logical domain repository and might otherwise be lost. It is a joint project of the VCRs, CIOs, and ULs that focuses on sustainability and cost. More information can be found on the UC3 website: [Tackling the storage costs of digital preservation](#).

The three pilot campuses are UCSF, UC Irvine, and UC Riverside, and the IT committees on those campuses are encourage to invite Chodacki and the local implementation team to join their next committee meeting to learn more. The campuses are looking for projects to use the service. Any researcher from UCSF, UCI, or UCR can submit a dataset of up to 100GB (within the parameters of the project). Preservation is guaranteed for 10 years. DASH is the front end, while the Merritt preservation repository provides the storage.

UCACC members asked about the metrics of success for the pilot. Chodacki said that integrated campus teams working together and communicating about data storage is a big step. Outcomes from the pilot might be new processes around research computing. Many at UC are interested in capturing and maintaining UC research results.

DASH (<https://dash.ucop.edu>), which is available at all campuses except UCSD and UCLA, still needs more visibility and could be promoted further on campuses. In other news, the CDL is partnering with Dryad to build a globally-accessible, transparent, and low-cost data publishing and curation service that uses the FAIR data principles as a guide.

## **VIII. Member/campus issues**

Round robin on campus or systemwide issues related to academic computing and communications:

*UC Berkeley:* Berkeley's committee has met twice; one focus is research data issues.

*UC Davis:* Faculty are concerned about MFA implementation.

*UC Riverside:* The UCR committee has discussed data storage facilities and concern about seismic protection.

*UCSD:* San Diego's committee, CATE, is working with the CISO on MFA rollout. UCSD member Brett Stalbaum is interested in comparing how instructional technology is delivered on other campuses.

*UCSF:* UCSF member David Robinowitz reports a general sense of faculty satisfaction with IT. MFA is already in place, and IS-3 doesn't seem to be provoking any alarms. Although there is no faculty committee solely focused on IT, the administrators seem to be attuned to faculty needs.

*UCSB:* UC Santa Barbara is interested in the international agreements issues around IP and academic espionage. The faculty are trying to start an Academic Senate IT committee.

*UCSC:* Topics for the UC Santa Cruz local committee have included security and data curation. The committee is interested in "cloud" computing and the costs. The cost structure could bear on incentives for what services faculty use.

## **IX. Wrap up and Next Steps**

UCACC might want to consider contributing an agenda item to an upcoming ITLC meeting regarding faculty concerns, and to float the idea of a systemwide listing of "what every faculty should know" and "what every faculty could expect" in terms of information technology resources and services.

The committee would also like to follow up on the overall level of satisfaction with IT services systemwide.

-----  
Meeting adjourned: 3:50pm.

Meeting minutes drafted by: Joanne Miller, Committee Analyst

Attest: Maryann Martone, UCACC Chair

**Meeting participants:** Maryann Martone (Chair, UCSD), Anthony Joseph (Vice Chair, UCB), Ethan Ligon (UCB), Matt Bishop (UCD), Joseph Genereux (UCR), Brett Stalbaum (UCSD), David Robinowitz (UCSF), Jianwen Su (UCSB), Jose Renau (UCSC, via video), Kum-Kum Bhavnani (Academic Senate Vice Chair), Tom Andriola (UCOP, via video), David Rusting (UCOP), Robert Smith (UCOP, via video), John Virden (UCR, via video), Joanne Miller (Committee Analyst).