COS Faculty Meeting
Minutes
February 18, 2020
12:00-1:00 pm, refreshments beginning at 11:30am
3301 Exploratory Hall, Fairfax Campus
WebEx Remote Access

In attendance: Barney Bishop, Rebecca Jones, Peter Plavchan, Liza Durant, Adreas Zufle, Joris Van Der Ham, David Luther, Chi Yang, Tracy Mason, Mary Nelson, Karen Akerlof, Evan Del Duke, Dan Taggart, Mark Uhen, Paul So, Ernie Barreto, David Wong, Megan Erb, Jen Gettys, Paul Betka, Cristiana Stan, Chaowei Yang, Bob Weigel, Taylor Anderson, Gerald Weatherspoon, Ben Dreyfus, Joel Schnur, Maria Emelianenko, Arie Croitoru, Chao Luo, Dieter Pfoser, Suzanne Slayden, Ruixin Yang

Remote via WebEx: Mikell Paige, Lillian Vernon, Dale Pokorski, Caitlyn Ford

1. **Call to order**, 12:01pm by Barney Bishop

2. **Approval of minutes from November 15, 2019,** *approved unanimously 12:03pm*

3. **Announcements**
   - 3.1. Upcoming Events
     - 3.1.1. Flint's Deadly Water, FRONTLINE Documentary Viewing and Discussion, hosted by Sigma Xi, February 26,2020 7-8:30pm, JC Cinema
       - 3.1.1.1. Flyer in Appendix
     - 3.1.2. COS Undergraduate Research Colloquium, Thursday April 23, 2020, 1-4pm, CFA Lobby
       - 3.1.2.1. More info, submit abstracts, volunteer to judge: **https://cos.gmu.edu/stem/COSURC.**
       - 3.1.2.2. Deadline for abstract submission is **March 27, 2020**

4. **Remarks from Interim Dean Ali Andalibi –** not present due to medical leave

5. **IDIA Building on Arlington Campus –** presentation by Liza Durant (ldurant2@gmu.edu), new building on Arlington campus, slides in Appendix
   - 5.1. Dieter Pfoser (dpfoser@gmu.edu) is COS liaison to the project
   - 5.2. Institute for Digital Innovation – envisioned to be the nexus of all digital innovation at Mason, place to collaborate
   - 5.3. Academics (students) brought together with Industry (start-ups) and non-profit partners
   - 5.4. P3 (Public Private Partnership) with a developer
   - 5.5. Scheduled to be delivered in 2025

5.6. Funding coming from Commonwealth (84million, from Tech-Talent fund related to HQ2), Mason (matching 84mil), Developer (84mil)
5.7. No undergraduate facilities, only graduate student spaces
5.8. Office of Tech Transfer, Mason Enterprise Center
5.9. Different office spaces, functional shared lab spaces, no wet labs, only dry labs
5.10. Decisions about occupants of this space will be made in the future, by others in the Provost office
5.11. Commonwealth Cyber Initiative may be one example of a partner in the building
5.12. Arlington Forward, https://www2.gmu.edu/arlington-forward
5.12.1. Upcoming events
5.12.1.1. "Fourth Annual Mason Energy Forum - Threats and Opportunities: Using Data and Technology to Protect Grid Resilience" April 27, 2020, 8 a.m. to 5 p.m., Arlington Campus, Van Metre Hall, Hosted by Mason's Center for Energy Science and Policy and Center for Resilient and Sustainable Communities.
5.12.1.2. "The Era of Big Data and the Challenge of User Privacy" September 14, 2020, 6 p.m. Arlington Campus, Van Metre Hall. Hosted by The College of Science and The Volgenau School of Engineering.
5.13. Faculty are invited to communicate to Liza or Dieter about possible ways COS may use this space, what would we need to do this work
5.14. Current spaces being renovated to reflect new paradigm around digital innovation and entrepreneurs.

6. Updates from committees

6.1. Executive Council – David Luther
6.1.1. Evaluated study leave requests for COS
6.1.2. Only major task of EC
6.2. Curriculum - Joris Van Der Ham
6.2.1. 41 new course proposals approved, including
6.2.1.1. 10 from GIS
6.2.1.2. 8 from Med Lab Science
6.2.1.3. 5 from Physics
6.2.2. 3 new programs approved
6.2.2.1. Environmental and Sustainability Management, Grad Certificate
6.2.2.2. Environmental Consulting Minor
6.2.2.3. Forensic Science, Professional Science Masters
6.2.3. 1 new concentration proposal approved
6.2.3.1. Environment and Management Concentration (EVMG)
6.2.4. 4 new accelerated Masters program
6.2.4.1. Bachelor's (selected)/ Bioinformatics Management, PSM
6.2.4.2. Bachelor's (any)/ Geographic and Cartographic Sciences, Accelerated, MS
6.2.4.3. Bachelor's (any)/ Geoinformatics and Geospatial Intelligence, Accelerated MS

6.2.4.4. Geography, BS/ Geoinformatics and Geospatial Intelligence, Accelerated MS

6.2.4.5.

6.3. Nomination and Membership – Ben Dreyfus,

6.3.1. Current Open positions

6.3.1.1. Chair (1 year)

6.3.1.2. Chair pro tempore (1 year)

6.3.1.3. Secretary (1 year)

6.3.1.4. Executive Council (3 years, not SSB)

6.3.1.5. Promotion & Tenure Committee (3 years; full professor; NOT phys/astr, chem, or SSB)

6.3.1.6. Grievance Committee (3 years; tenured; NOT chem, GGS, bio, or SSB)

6.3.1.7. Nominations Committee (2 years; 2 positions)

6.3.1.8. Graduate Council (3 years)

6.3.1.9. Faculty Senate (3 years; 2 positions)

6.4. P&T – Ernie Barreto

6.4.1. Processed 7 cases for promotion

6.4.2. Met with Dan Taggart

6.4.3. Starting next year all cases for tenure-line promotions will be done electronically, including soliciting external letters

6.4.4. Beginning in 2021, term and renewal dossiers will shift to electronic

6.4.5. Thanks to those 5 members rotating off the committee

6.4.5.1. Fatah Kashanchi, SSB

6.4.5.2. John Schriefels, Chem & Biochem

6.4.5.3. Flavia Colonna, Math (at-large)

6.4.5.4. Rebecca Forkner, Biology

6.4.5.5. Rob Axtel, CDS

6.5. Faculty Senate – David Wong

6.5.1. Senators vote, would like to have more idea how COS faculty think

6.5.2. Presidential Search

6.5.2.1. This search is different from the last one

6.5.2.2. Faculty want a more transparent search

6.5.2.3. Chair of Faculty senate is co-chair of Presidential Search Committee

6.5.2.4. BOV voted to make search more open, Rector Davis agrees, in process of determining what that looks like, how faculty are involved in the search process

6.5.3. Upcoming agenda items – Suzanne Slayden

6.5.3.1. Provisions in handbook for post-tenure review will be revised

6.5.3.2. HR is developing written procedures for “faculty misbehavior”. Faculty are invited to review proposed documents.

6.5.3.3. Look on faculty senate website for Agenda for March 4, 2020 meeting and related attachment

6.6. Grievance – Mikell Paige

6.6.1. Nothing to report

6.7. Undergraduate Council – Megan Erb
  6.7.1. All COS courses we proposed were approved this past year
  6.7.2. School of Business is only requiring 7 credits of science rather than 8
  6.7.3. Email Jen Bazaz (jbazaz@gmu.edu) if you have thoughts on this change, ideas for compromise
6.8. Graduate Council – no representative present

7. New Business

7.1. Mary Nelson – QEP Topics
  7.1.1. 4 final proposals, one of which is about using Learning Assistants
  7.1.2. Look for presentations at end of March
7.2. COS Website Update – Tracy Mason (tmason11@gmu.edu)
  7.2.1. New website is slowing rolling out, departments are going live during February
  7.2.2. Faculty are invited to send info to points of contact for each department
  7.2.3. Website is a "new environment" to collaborate, support interdisciplinary work, highlight successes
  7.2.4. Using Loop11 to provide feedback

8. Discussion

8.1. IDIA Building Q/A
  8.1.1. Will this new building have conference space? – yes, different classrooms and large hall (like Dewberry)
  8.1.2. Media Lab at MIT – built wetlabs after the fact, maybe we need to rethink that restriction
    8.1.2.1. If you put in a restaurant, then you'll have the plumbing later
    8.1.2.2. Add as much extra ductwork as possible
  8.1.3. Has there been discussion for a "SCIF" (Sensitive Compartmented Information Facility) space?
    8.1.3.1. Yes, definitely being considered
    8.1.3.2. Need to find a sponsor
  8.1.4. Include conversation about community engagement?
    8.1.4.1. Yes, doing focus groups with surrounding Arlington community
    8.1.4.2. Setting aside some space on the first floor to support community involvement
  8.1.5. Fundraising will be a part? Is this still contingent upon money?
    8.1.5.1. Going on now, about 20 million currently raised
    8.1.5.2. Lots of engagement with potential partners
    8.1.5.3. We've been given 10 years to raise the money
    8.1.5.4. We would use bridge funding (bonds) if needed
    8.1.5.5. Commonwealth will pay their part early, they won't wait until we can match the funds
  8.1.6. What is the relationship between IDIA building and the new School of Computing?
    8.1.6.1. new Institute for Digital Innovation starting now
    8.1.6.2. building will be a physical space for this group, no current director

8.1.6.3. Deb Crawford is leading this charge
8.1.6.4. The School of Computing won't be housed in in any given space, but will be supported by work in this building
8.1.7. Collaborative spaces, maybe that can be reserved in advance, maybe in an app
8.1.8. Media places for video?
8.1.8.1. Yes, media related buildings will
8.1.8.2. Una Murphey knows about TV Studio over on Arlington campus
8.1.9. How will the roof be used?
8.1.9.1. Could some be available for lab space?
8.1.10. Suggestion of a virtual planetarium
8.1.10.1. Data visualization will be supported
8.1.10.2. VR lab to support 50 people
8.1.11. Facilities that have collaborative research environment
8.1.12. Machine shop?
8.1.12.1. Not as much as sci-tech
8.1.13. Undergraduates not welcome in the building?
8.1.13.1. Definitely for research, but no undergrad programs will be housed there.
8.1.14. Other campuses in that area
8.1.14.1. Working with VTech, GW, UVA, and Marymount to increase tech-corridor
8.1.14.2. Typically, only graduate students

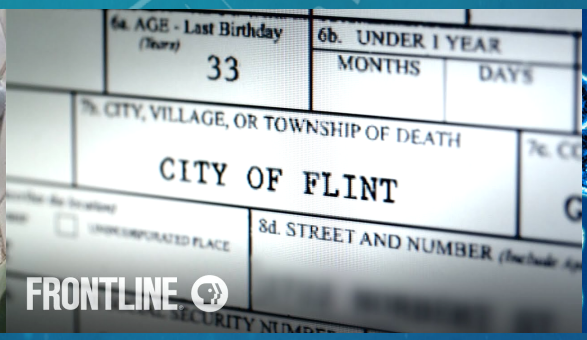
9. Adjournment at 1:34pm

PUBLIC HEALTH | MICROBIOLOGY | POLICY | SCIENTIST DETECTIVES

WEDNESDAY FEBRUARY 26, 2020

7 – 8:30pm, JC Cinema

FLINT'S DEADLY WATER



A FRONTLINE documentary, drawing from a two-year investigation, uncovers the extent of a deadly Legionnaires' disease outbreak during the Flint water crisis — and how officials failed to stop it.

Discussion will follow the screening. All interested are welcome to attend.

Sponsored by College of Science STEM Accelerator and SIGMA Xi at Mason

STEM Accelerator

SIGMA XI
THE SCIENTIFIC RESEARCH HONOR SOCIETY

GEORGE MASON UNIVERSITY
College of Science

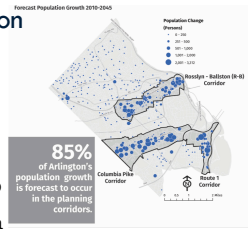
GEORGE MASON UNIVERSITY

INSTITUTE FOR DIGITAL INNOVATION ARLINGTON CAMPUS

1

Innovation Place-making on the R-B Corridor

the new urban geography of innovation



Ballston

corporate engagement → attract & prepare **TALENT** → quality streetscape & pedestrian experienc → social & economic inclusion → congregation & collaboration → placemaking & programming → university research & innovation platform → LIVE|WORK|LEARN|PLAY|

TIER 1 research university

$80M
R&D Expenditures (FY 2019)

George Mason University

DRAFT – PROPRIETARY AND CONFIDENTIAL

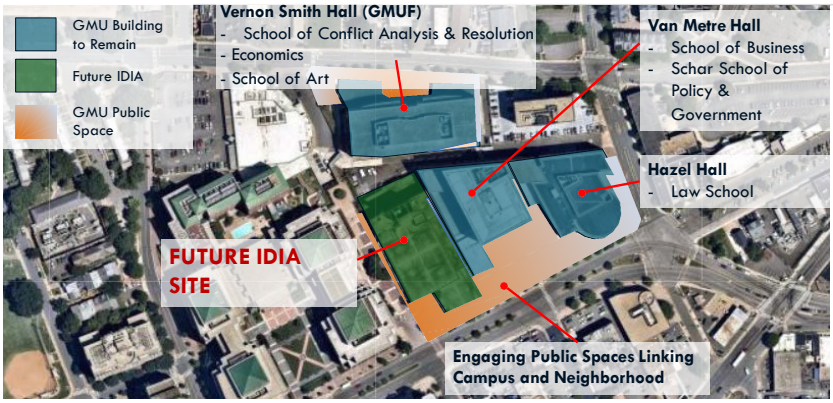
2

Within the burgeoning tech sector in Northern Virginia, the IDIA will anchor the central Rosslyn-Ballston Corridor

DRAFT – PROPRIETARY AND CONFIDENTIAL

3

The Mason IDIA
an innovation force multiplier



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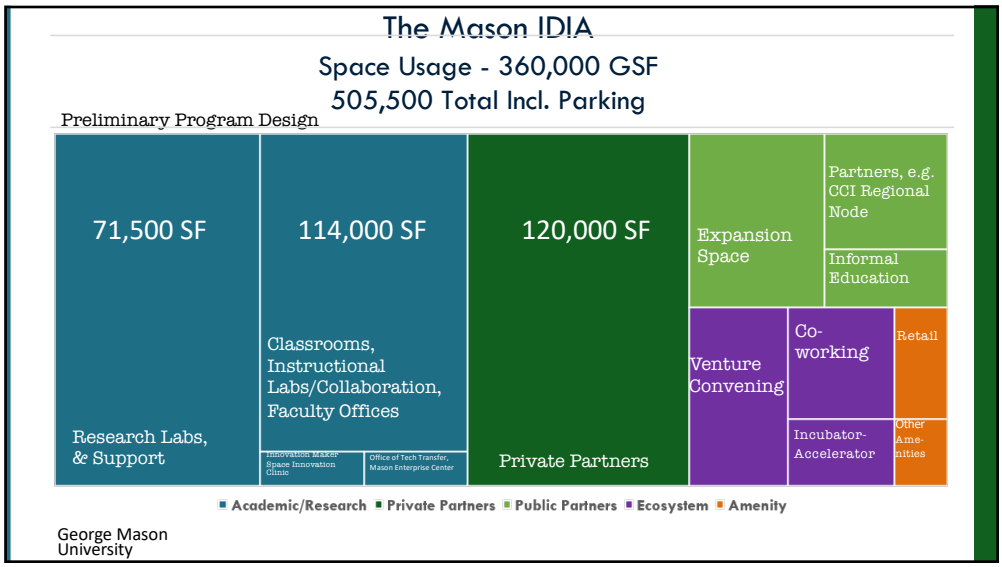
4


The Mason IDIA
Space Usage - 360,000 GSF
505,500 Total Incl. Parking
Preliminary Program Design
71,500 SF
Research Labs, & Support
114,000 SF
Classrooms, Instructional Labs/Collaboration, Faculty Offices
Innovation Maker-Space Innovation Clinic
Office of Tech Transfer, Mason Enterprise Center
120,000 SF
Private Partners
Expansion Space
Partners, e.g. CCI Regional Node
Informal Education
Venture Convening
Co-working
Retail
Incubator-Accelerator
Other Ame-nities
Academic/Research
Private Partners
Public Partners
Ecosystem
Amenity
George Mason University

5

THE MASON IDIA
INNOVATION DRIVES OPPORTUNITY
2,000+ academic innovators
$80,000,000+ tech R&D engine
100+ high growth ventures
50+ community partners
25+ graduate programs
Powering the Rosslyn-Ballston Innovation Corridor
THE BIG IDEA ABOUT IDIA
THE MASON IDIA
THE NEW URBAN GEOGRAPHY OF INNOVATION
world-class talent
tech R&D platforms
new venture incubation and acceleration
activated public spaces
convening and collaboration
social and economic inclusion
live | work | learn | play
on the R-B Innovation Corridor

6

https://www2.gmu.edu/Arlington-forward

"Fourth Annual Mason Energy Forum - Threats and Opportunities: Using Data and Technology to Protect Grid Resilience" April 27, 2020, 8 a.m. - 5 p.m.
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