Collaboration Building & Operational Understanding Discussion of Intellectual Opportunities Throughout Sought Investment for Three Pillars of CAS

Global Processes, Connections & Flows

Scholarly Creativity & Exploration

Digital Revolution & Beyond
AY 2019 – 2020

Update on
- Faculty and Student Achievements
- Enrollments and Research Expenditures
- Budget
- Faculty Hiring
- Investments
New leaders in CAS

Marina Azzimonti, Chair, Department of Economics
Jason Barabas, Interim Chair, Department of Political Science, then Leonie Huddy
Lisa Diedrich, Chair, Department of Women's, Gender and Sexuality Studies
Kathleen Fallon, Chair, Department of Sociology
Sara Lipton, Interim Chair, Department of History then Paul Gootenberg
Nick Mangano, Chair, Department of Theatre Arts
Margaret Schedel, Chair, Department of Art
Peter Tonge, Chair, Department of Chemistry

Amy Cook, Associate Dean for Research and Innovation
Giuseppe Gazzola, Interim Director for the Center for Italian Studies
Joseph M. Pierce, Interim Director, LACS then Lena Burgos-Fuente
Sophie Raynard-Leroy, Director, Institute for Globalization Studies
New and Newly Tenured and/or Promoted Faculty in CAS

24 promotions to Associate Professor
13 promotions to Full Professor
6 new Distinguished Professors
9 new Lecturers
7 new Assistant Professors
1 new Full Professor
2 new Artists-in-Residence

https://www.stonybrook.edu/commcms/cas/faculty_and_staff/faculty_affairs/new-faculty/
Award Winning Faculty

24 AAAS Fellows
11 NAS/NAE/NAI members
3 National Academy of Inventors

Mikhail Lyubich, Mathematics
2019 Class of AAAS Fellows
Mathematical and Physical Sciences

Peter van Nieuwenhuizen, Physics
2019 Special Breakthrough Prize in Fundamental Physics

Howardena Pindell, Art
Artists’ Legacy Foundation
2019 Artist Award

Andrew Newman, English
2019 Guggenheim Fellowship

Xiuxiong Chen, Mathematics
Rouven Essig, Physics and Astronomy
2019 Simons Investigators

Daniela Flesler, HLL
Lisa Diedrich, WGSS
2019 Outstanding Mentor Awards

Rowan Ricardo Phillips, English
PEN/ESPN Award for Literary Sports Writing
Endowed Chairs & Professors

Eric Haralson, English
Inaugural Endowed Professor in Global Citizenship

Arindam Chakrabarti, Philosophy
Nirmal K. and Augustina Mattoo Chair in Classical Indic Humanities

Katy Siegel, Art
Eugene V. and Clare E. Thaw Endowed Chair in Modern American Art

Karena Chapman, Chemistry
Joseph W. Lauher and Frank W. Fowler Endowed Chair in Materials Chemistry

Alexander Zamoldchikov, Physics and Astronomy
Chen Ning Yang – Wei Deng Endowed Chair in Physics and Astronomy

Nikos Panou, English
Tsantes Endowed Professor in Hellenic Studies

Paul Kelton, History
Robert David Lion Gardiner Chair in American History

Karena Chapman, Chemistry
Joseph W. Lauher and Frank W. Fowler Endowed Chair in Materials Chemistry

Pat Wright, Anthropology
Herrnstein Family Endowed Chair in Conservation Biology

Eric Haralson, English
Inaugural Endowed Professor in Global Citizenship
12,813 Students
Award Winning Students

2019
Eight NSF Graduate Research Fellows

2019
Nine Fulbright Fellows

2019
Three Goldwater Scholars

2019
Mellon International Research Dissertation Fellowship, SSRC
CAS Proposal Submissions and Research Expenditures are Trending Upward

As of Q4 2018-2019

Annual All Research Expenditures

$54.3M

$5.6M
11.5% increase

1 received under ARRA (American Recovery and Reinvestment Act).

Data Updated: 9/27/2019 8:26:18 PM
CAS Advancement is doing well

CAS raised $26+ Million in AY 18-19

- Endowments
  - $25M pledge (5 years) from Marilyn Simons for Economics
  - $1.5M planned giving pledges for Scholarships
- Current use
  - >$200K for additional scholarships

CAS Fundraising

- CAS 33%
- SBU
CAS by the Numbers (18-19)

- **CAS FTE Faculty - 452 T/T**: CAS 44%
- **CAS Annual Credit Hours of Instruction - 359,614**: CAS 51%
- **CAS Fed Research Expenditures - $52MM**: CAS 33%
- **CAS Total Doctoral Students - 1295**: CAS 60%
- **CAS Alumni - 120,000**: CAS 67%

Data from stonybrook.edu/irpe & SBF
FY 17/18 end of year condition was -$4.8M.

FY 18/19
- Started with a projected end of year condition -$5.8M
- Gap between state funding and state expense is $11.9M
- September 2019 Actual
  - Actual revenue (winter/summer/masters) of $6.6M
  - End of year condition -$5.2M

FY 19/20
- In April 2019, projected end of year condition -$8.3M
- Gap between state funding and state expense is $15M
- Revenue projection is $6.6M

-$12M by 22/23
Global Processes, Connections & Flows

Scholarly Creativity & Exploration

Digital Revolution & Beyond

Goals

Undertake education and research innovation

- Student careers align with future possibilities
- Increase team-oriented learning
- Design programs to build revenue

Align allocation with educational and research operations

- Support the institutional mission of diversity, inclusion and student success
- Support sustainable growth

Public & private engagement

- Garner external investment in CAS
• President, Provost and expense reduction eliminated $17M debt
• President, Provost and expense reduction eliminated $17M debt
• Deficit is a consequence of ~17% increase in salary expense over the lifetime of the UUP contract
• President, Provost, and new fees invested in CAS
• Starting the 19-20 year ~budget neutral – central support stabilized CAS
• Still have 3% CSI in 20-21, 21-22, and 1% in 22-23
4-year Budget Projection

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>2019-2020</th>
<th>2020-2021</th>
<th>2021-2022</th>
<th>2022-2023</th>
</tr>
</thead>
<tbody>
<tr>
<td>State Expenses</td>
<td>(89,604,067)</td>
<td>($90,127,437)</td>
<td>($91,434,193)</td>
<td>($92,184,193)</td>
</tr>
<tr>
<td>Target+Revenue+Offsets</td>
<td>$89,604,067</td>
<td>$90,127,437</td>
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</tr>
<tr>
<td>Actual Condition*</td>
<td>$0</td>
<td>$0</td>
<td>($1,259,199)</td>
<td>($2,009,199)</td>
</tr>
</tbody>
</table>

- Attrition savings are being used for faculty searches in 19-20, staff hiring, and to pay future CSI
- Departments have been given savings goals to be achieved by the end of the 19-20 year and revenue goals by end of 20-21 to position us for additional new faculty and staff and CSI in the following years
- Anticipated shortfalls will be addressed through investment, attrition, and revenues

Includes ~20 new faculty hires
20 Approved searches – Investing in future plans

<table>
<thead>
<tr>
<th>Scholarly Creativity</th>
<th>Faculty Hiring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
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</tr>
<tr>
<td>Music History/Theory/Ethnomusicology</td>
<td>Music</td>
</tr>
<tr>
<td>Medical Communication</td>
<td>PWR</td>
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<tr>
<td>Imaging for treating substance addiction</td>
<td>Chemistry</td>
</tr>
</tbody>
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<table>
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<tr>
<th>Global Processes</th>
<th>Faculty Hiring</th>
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<tr>
<td>Evolutionary Ecology</td>
<td>E&amp;E</td>
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<tr>
<td>Hominin paleontology</td>
<td>Anthro/TBI</td>
</tr>
<tr>
<td>Performance, activism and translation/adaption studies</td>
<td>EGL/WGSS</td>
</tr>
<tr>
<td>Tamil Swaminatham Endowed Professor</td>
<td>Ling/Music/Art</td>
</tr>
<tr>
<td>D’Amato Endowed Chair in Italian-American Studies</td>
<td>His/Ling/Art/ELLC</td>
</tr>
<tr>
<td>Latin American/Hispanic art and/or U.S. Latinx or Chicanx art</td>
<td>HLL</td>
</tr>
<tr>
<td>Chair of Economics, Endowed Chair</td>
<td>Economics</td>
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<tr>
<td>Aging brain and health disparities</td>
<td>Psychology (EIP)</td>
</tr>
<tr>
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<td>Neurobiology (EIP)</td>
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<td>American/Public Policy</td>
<td>Political Science</td>
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<tr>
<td>Global Health Disparities</td>
<td>Africana Studies</td>
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<td>Low temperature geochemistry</td>
<td>GEO</td>
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<td>Quantum information</td>
<td>Physics (EIP)</td>
</tr>
<tr>
<td>IACS–Computational Biochemistry, Chemistry, Sociology, Psychology or Linguistics</td>
<td>CHE, BCB, LIN, PSY, SOC</td>
</tr>
<tr>
<td>Computational Linguistics</td>
<td>LIN</td>
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<td>BCB</td>
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<td>Soc/IACS</td>
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• Investment in the Future
• Creative Solutions
• Support Research and Teaching Endeavors
• Accountability and Transparency

• There are no replacement faculty or staff “lines”
• CBM Target is an archival record of historical transactions which includes baselines
• Faculty hiring is and will be approved based on goals of shared vision for the future
• Priorities will be set based on enrollments and research & scholarship goals
• Departments will work together to achieve investment dollars for these priorities
• Investments will be made based on balancing priorities of enrollment/scholarship
4-year Budget Projection

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• Achievable goals have been set for savings
  • $2.5M overall by end of AY 19-20 (to support faculty searches in Fall 2020)
  • An additional $1M in new revenue is needed by Fall 2021
  • Savings and revenue goals have been distributed to departments
• Departments are expected to manage their expenses accordingly
Thanks to Chairs, Faculty Working Groups

<table>
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</thead>
<tbody>
<tr>
<td>Nerissa Balce</td>
<td>Shimelis Gulema</td>
<td>Josh Teplitzky</td>
<td>Scott McLennan</td>
<td>Greg Henkes</td>
<td>Kathleen Fallon</td>
<td>Nick Eaton</td>
<td>Abena Asare</td>
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<tr>
<td>Sophie Raynard-Leroy</td>
<td>Karena Chapman</td>
<td>Susan Brennan</td>
<td>Marcus Khuri</td>
<td>David Wiczer</td>
<td>E.K. Tan</td>
<td>John True</td>
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<tr>
<td>Krishna Veeramah</td>
<td>Liliana Davalos</td>
<td>Aurelie Vialette</td>
<td>Rosalba Perna</td>
<td>Anne O'Byrne</td>
<td>Timothy August</td>
<td>Jeroen Smaers</td>
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<tr>
<td>Gallya Lahav</td>
<td>Chris Sellers</td>
<td>Ming-Yu Ngai</td>
<td>Brooke Belisle</td>
<td>Joseph Pierce</td>
<td>Memming Park</td>
<td>Shaoyu Ge</td>
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<tr>
<td>Nancy Hiemstra</td>
<td>Kristen Shorette</td>
<td>Ross Nehm</td>
<td>Brenda Anderson</td>
<td>Sohl Lee</td>
<td>Marivi Fernandez Serra</td>
<td>Jeff Heinz</td>
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<td>Juan Pantano</td>
<td>Peter DeSciolli</td>
<td>Franck Dalmas</td>
<td>Alan Kim</td>
<td>Ritch Calvin</td>
<td>Arianna Maffei</td>
<td>Nick Mangano</td>
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<tr>
<td>Shobana Shankar</td>
<td>Andrea Fedi</td>
<td>Matthew Barnson</td>
<td>Ken Dill</td>
<td>Gary Mar</td>
<td>Katheryn Twiss</td>
<td>Gerald Thomsen</td>
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<tr>
<td>Craig Evinger</td>
<td>Ed Luk</td>
<td>Bonita London</td>
<td>Christina Dahl</td>
<td>Michael Becker</td>
<td>Karen Lloyd</td>
<td>Elyse Graham</td>
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</table>

- What are the broader societal impacts of this proposed research/educational direction that can be clearly articulated to a multitude of stakeholders (public, funders, colleagues)?
- How does addressing these grand challenges rely on strong disciplines and their convergence?
- Draft a roadmap/timeline for 12-18 months
- Consider labor and financial resources
Thanks to CAS Leadership

<table>
<thead>
<tr>
<th>Position</th>
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<th>Role</th>
<th>Name</th>
</tr>
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<tbody>
<tr>
<td>Associate Dean for Curriculum</td>
<td>Elizabeth Newman</td>
<td>Director of Research and Assessment</td>
<td>Soraya Zabihi</td>
</tr>
<tr>
<td>Associate Dean for Faculty Affairs</td>
<td>Judith Lochhead</td>
<td>Director of Communications</td>
<td>Rachel Rodriguez</td>
</tr>
<tr>
<td>Associate Dean for Research and Innovation</td>
<td>Amy Cook</td>
<td>Director of Curriculum</td>
<td>Paula Di Pasquale-Alvarez</td>
</tr>
<tr>
<td>Associate Dean for Operations and Facilities</td>
<td>Timothy Glotch</td>
<td>Directors of Development</td>
<td>Chuck Ferrero</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Christina Rosa-Ragona</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Christopher J. Scarpati</td>
</tr>
<tr>
<td>Assistant Dean for Budget</td>
<td>Ming Huang</td>
<td>Senior Staff Assistant for Budget</td>
<td>Carol Davies</td>
</tr>
<tr>
<td>Assistant Dean for Academic Planning</td>
<td>Erica Hackley</td>
<td>Senior Staff Assistant for Budget</td>
<td>Tracey Braile</td>
</tr>
<tr>
<td>Assistant Dean for Operations</td>
<td>Ed McFadden</td>
<td>Secretary</td>
<td>Laura Stevenson</td>
</tr>
<tr>
<td>Assistant Dean for Faculty Affairs and Personnel</td>
<td>Lois Carter</td>
<td>Human Resource Coordinator</td>
<td>Danielle Papaspyrou</td>
</tr>
<tr>
<td>Interim Assistant Dean for Advancement</td>
<td>Hodan Hassan</td>
<td></td>
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</tr>
<tr>
<td>Executive Assistant</td>
<td>Jen Acosta</td>
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</table>
Spring 2019 - Faculty Working Groups

- Concept papers submitted May 2019 and video reports recorded

Digital Revolution and Beyond

Global Processes, Connections, and Flows

Scholarly Creativity and Exploration
Grand Challenges for CAS in 2030

Grand Challenge Areas

Global Processes, Connections & Flows
- Global Migration of People and Ideas
- Global Health and Disparities
- Global Inequalities and Power
- Global Environment/Energy and Natural Resources

Digital Revolution & Beyond
- Advancing Research Frontiers with Platform for Data (Information) Science
- Social Implications of the Digital Revolution/DI Hybrid

Scholarly Creativity & Exploration
- STEAM: Education and Communication and Creative Expression
- Cross-Cutting Disciplines: Mind, Brain, Body - From Biology to Culture
- Cross-Cutting Disciplines: Origins and Explorations of the Universe and Planetary Systems
- Cross-Cutting Disciplines: Evolution and Transformation
Current Steps

Global Processes, Connections & Flows
- BA Globalization Studies and International Relations
- Global Research Groups

Scholarly Creativity & Exploration
- STEAM: Communication & Creative Expression
- Mind, Brain, Body - from Biology to Culture
- Origins & Explorations of the Universe/Planetary Systems
- Evolution and Transformation

Digital Revolution & Beyond
- Digital Intelligence
- Data Science Hub
- Quantum Information Science and Materials
IAE 101: Introduction to Digital Intelligence

- New course meeting both ARTS and TECH SBC requirements.
- Team-taught this semester by Elyse Graham from the English Department and Christopher Kane from Computer Science.
- Offered for the first time in Fall 2019; fully enrolled with 250 students.
- Planning on doubling for Fall 2020.
- CAS faculty “speed-dating” lunches to meet CEAS faculty and create project-based research courses that will include UG/Grad students that leads to microcredential in DI.
- Build out to workforce training.

https://beinsync.in/category/marketing/digital-intelligence/
BA in Globalization Studies and International Relations

• Launching Fall 2020, recruitment efforts already underway.

• Four core, co-taught courses in the major.

• Remaining courses drawn from departments across CAS.

• Housed in the Institute for Globalization Studies

• Director is Sophie Raynard-Leroy
  • Faculty advisory board
  • Undergraduate program director
  • Will interface with Centers, for events, internships, and study abroad
2019 and Beyond

• Three integrated ideas convey CAS to stakeholders
• Planning and undertaking roadmap elements
• Continue to plan and define next steps
• Updates on implementation will be provided through regular channels
• Elements posted on vision web page
• Shared vision is dynamic

https://www.stonybrook.edu/commcms/cas/about/shared_vision.php
Questions?