A Review
Accomplishments

- Reclaiming the prairie
- History professor publishes new book on the history of Japan’s popular culture
- Pathways to give advanced notice for hailstorms
- Ph.D candidate to talk about front lines of Ebola fight
- History professor’s new book focuses on human-wild animal encounters in the colonization of America
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- Berimbau ensemble’s album up for 2018 Grammy Awards consideration
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- Brian McCormick receives Moss Kanter Award for Excellence
- NIU Child Development Lab earns Illinois Award of Excellence
- Students’ low-cost prosthetic design may improve life for amputees
- Professor’s research may result in strong new materials
- Breaking the silence
- English professor awarded prestigious ACLS fellowship
- CVPA honors alum with first-ever Excellence in Arts Award
- Law professor Morse Tan selected for Emerging Leaders Program
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- NIU professor receives NEH Award to continue her research on Brazil’s economy
- Small particles, big deal
- Psychology professor Larissa Barber receives international Early Career Achievement Award
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- NIU scores at 2017 SAVVY Arts Venture Challenge and Chamber Music Competition
- Professor Douglas Boughton named 2017 National Higher Education Art Educator
- Efforts to recognize Mother Jones
- History professor publishes book on Soviet environmental history of the Arctic Breaking the silence
- Mars’ watery past
• Number of distinct programs (as defined by PP): 8
• FY2018 budget: $7.0M
• Components:
  – $2.4M personnel,
  – $1.2M operations,
  – $3.4M direct faculty support.
Fiscal Year 2018 Budget

- **Office of the Vice President**, $1,201,174, 17%
- **Faculty Research and Development Support (RD)**, $2,975,985, 43%
- **NIU Press (NIUP)**, $573,954, 8%
- **Center for Burma Studies (CBS)**, $117,056, 2%
- **Office of Federal Relations (OFR)**, $180,000, 3%
- **Office of Research Compliance, Integrity and Safety (ORCIS)**, $394,043, 6%
- **Office of Innovation (OI)**, $525,333, 7%
- **Sponsored Programs Administration (SPA)**, $1,010,119, 14%

*Northern Illinois Research Foundation
Faculty Support

Office of the Vice President
Sponsored Programs Administration (SPA)
NIU Press (NIUP)
Office of Innovation (OI)
Office of Research Compliance, Integrity and Safety (ORCIS)
Office of Federal Relations (OFR)
Center for Burma Studies (CBS)

Faculty Research and Development Support (RD), $2,975,985
Faculty Development, $1,357,985, 46%
Core User Facilities, $1,078,000, 36%
Competitive Programs, $370,000
Centers, $170,000, 6%
New Awards
- 307 awards reviewed and accepted
- 112 Principal Investigators
- $25.9 mil in funding

Active Awards
- 341 awards actively managed
- 148 Principal Investigators
- $25.1 mil in award expenditures
• Higher Education and R&D Survey (HERD)
• Expand use of InfoEd and other university technology
  Dynamic budgeting and system-to-system (S2S)
  Proposal and award status dashboards
  PI and staff friendly award budgets
• Enhance campus-wide funding development and award management support
  PI Academy Professional Development Series (PIA)
  Grants Administration and Management Series (GAMS)
<table>
<thead>
<tr>
<th>Activity</th>
<th>Number</th>
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<tr>
<td>Invention disclosures received</td>
<td>12</td>
</tr>
<tr>
<td>Patent applications filed</td>
<td>Provisionals – 5</td>
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<tr>
<td></td>
<td>Domestic – 3</td>
</tr>
<tr>
<td></td>
<td>International - 3</td>
</tr>
<tr>
<td>Agreements executed (NDAs, MTAs, Licenses)</td>
<td>28</td>
</tr>
<tr>
<td>SBIR/STTR proposal submissions</td>
<td>11</td>
</tr>
</tbody>
</table>
Office of Innovation Initiatives

• **71 North – Studio for Innovation Partnerships**
  – Lower level of FML
  – Innovation and Entrepreneurship
  – Partnerships
  – Professional skills development (e.g. JobsPLUS)

• **DISCOVER® Computer Science Internship Program**

• **IDEAL-NIU Intrapreneurship Program** (model expansion)
Office of Research Compliance, Integrity and Safety FY17

• Protocol Committee Submissions
  – IRB (Human Subjects): 945
  – IACUC (Animals): 108
  – IBC (Biosafety): 53

• Online training
  – IRB: 874 participants
  – IACUC: 84 participants
  – RCR: 119 participants
  – Biosafety: 52 participants

• In-class training for over 300 students
**ORCIS Initiatives**

- **Building a culture of laboratory safety**
  - Strengthening policy and oversight, drafted an umbrella policy for campus wide safety
  - Participated in delivery of a professional lab safety course (UNIV600)

- **Modernizing workflow (InfoEd)**
  - Safety inspections, hazard inventories, training programs expected to go live April 2018
  - IRB & IACUC routing expected to go live Fall 2018 and Spring 2018, respectively.
• Program Prioritization: termination/ transformation.
• Best option for the press, authors, & the university to merge with an acquiring university press.
• Released a RFP for a collaborative agreement to maintain the NIU Press imprint.
• Committed to the academic community:
  – Honor current and future contracts & agreements
  – Maintain the Orthodox Christian and Slavic studies titles under NIU Press imprint
Office of Federal Relations

- Federal contact for staff, faculty, & students
- Federal appropriations requests
- Hosting Illinois congressional delegation here & in DC
- Leadership in national advocacy

- March 15 with Alumni Association co-hosting on the Hill a showcase of our federally funded research and scholarship
Moving Forward
Institutional Commitment to Scholarship

- **Board of Trustees Priority:**
  Distinguish NIU among IL public universities by advancing excellence in all aspects of University’s mission: teaching and learning, research and scholarship, creativity and artistry, engagement and outreach.

- **Presidential Goals:**
  - Initiate at least one research cluster/year in FY19 and FY20
  - Have two new doctoral programs through the NIU curricular process and proposed to the IBHE by the end of AY 18-19

- **Since approval last October, working with the Board of Trustees to develop a vision and strategy to increase scholarship with goals and tracking metrics.**
Proposed Vision and Emphases

Preparing Northern Illinois and the Nation for a Century of Change.

- Responding to the changing climate
- Preparing for changing demographics
- Leading the evolution of technology
- Interpreting our changing world
• Goal: A 25% increase in scholarship.

• Natural unit of growth:
  – In FY2017, 70 faculty received external funds for basic research
  – A 5% increase achieved by an initiative with four additional research active faculty.

• Five new initiatives of four active faculty

(N.B: External funding is a typical proxy: these initiatives will be distributed across research, scholarship, and artistry and tracked with appropriate metrics.)
Strategic Actions & Tactics

• Offer new doctoral degrees
• **Initiate research clusters or centers**
• Improve infrastructure (**equipment**, stipends, innovation resources).
• Leverage partnerships.
• Enhance culture of scholarship (**reducing impediments**, service orientation, faculty incentives, mentorship).
Reducing/Removing Impediments

- Research and Innovation Advisory Council (RIAC)
- Three reports to date
  - General Impediments
  - Recruitment and Retention
  - Travel Impediments
- Response
  - F&A distribution update (~30 years old)!
  - Highly streamlined post doc hiring
  - RIPS/Procurement alignment
  - Met with VPAF to discuss travel
Instrumentation Refresh

- Shimadzu Partnership for Academics, Research and Quality of Life (SPARQ)
- Significant discounts (40-50%) for instruments, service, technical and educational support

- First instruments arrive July 2018
Scholarship Clusters/Centers

- Well-established technique for increasing scholarly activity
- Guided by vision and emphases
- Collaboration with Academic Affairs
- Investment and metrics discipline dependent
Shared accelerator science initiative with Fermilab, joint collaborations and professorships.

- Investment matched by Fermilab
- Recruited two senior faculty, now recruiting two junior positions.
- Since 2015, awarded $2.1M in external grants from NSF and DOE.
- 18 graduate students involved.
• **Emerging Research Initiatives (ERI)** an informal mechanism to explore focused emerging opportunities.

• **Research Centers (Center)** addresses broad or complicated research questions or grand challenges.

• **Research Institutes (Institute)** a collection of two or more units
Metrics Should Reflect Impacts of Scholarship

- Enhanced peer and public reputation
- Faculty recruitment & retention
- Student (UG, Grad) recruitment & retention
- Donor and alumni interest & activity
  →
- *Publications/Citations/Books, Grant Activity, Student Engagement*
Northern Illinois University
Total Number of Books 2004 - 2016

Northern Illinois University
Total Number of Publications 2010 - 2016
Research Grant Activity

$10.3M
Student Recruitment

- From April 2016 Lipman Hearne/NIU Survey
- Decision rank of program strength and academic reputation in selecting a university

<table>
<thead>
<tr>
<th>Cohort</th>
<th>Program/Major Field Strength</th>
<th>Academic Reputation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman Prospects</td>
<td>2 of 18</td>
<td>1 of 18</td>
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<tr>
<td>Transfer Prospects</td>
<td>2 of 18</td>
<td>6 of 18</td>
</tr>
<tr>
<td>Graduate Prospects</td>
<td>5 of 17</td>
<td>4 of 17</td>
</tr>
<tr>
<td>Current Undergraduate</td>
<td>3 of 17</td>
<td>5 of 17</td>
</tr>
<tr>
<td>Current Graduate</td>
<td>3 of 17</td>
<td>5 of 17</td>
</tr>
</tbody>
</table>
- Current first year retention rate (FYRR) 73%.
- Honors Students
  - FY08-FY16 cohort: 2585 students
  - FYRR 93%.
- Research Rookies
  - FY14-F17 cohort: 87 students
  - FYRR 99%!
- Will develop a metric around participation & engagement
• **Now:**
  – Eight programs dedicated to support of scholarship.
  – Half of RIPS budget directly supports faculty scholarship.

• **Future:**
  – Vision focused on societal needs.
  – Modest goal of 25% growth (but both magnitude and time scale with resources).
  – Focus on new doctoral programs and research units
  – Strong endorsement from BOT last Thursday
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Backup
NUMBER OF SUBMISSIONS AGAINST FACULTY HEADCOUNT

- Proposals
- T/T-T Headcount

FY 13 | FY 14 | FY 15 | FY 16

| 600  | 500  | 400  | 300  |

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