Welcome and Opening Session: Presentation of The First 50 Years Of GSU Faculty and Student Research and Beyond

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*Governors State University*

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The First 50 Years of Governors State University Research

Shailendra Kumar, Ph.D. and Paul Blobaum, M.A., M.S.
Governors State University Research Day
April 12, 2019
The university stands on a 3 legged stool of Teaching, Research and Service and that’s pretty much the 3 domains of Faculty work. And Teaching continues to be the biggest leg; but research and service have had different emphases over the past 50 years.
The University founders thought of research as imperative to the development of teaching and learning as experimental methods were adopted from the beginning. There were no grades for 10 years. New technologies were available. Courses were called modules and Self directed learning was introduced. Professors held the rank of University Professor if full time, and Community Professor if part time, and the University had a 12 month trimester system until Fall 2010. So institutional research was important. GSU partnered with the ERIC Clearinghouse of the U.S. Department of Education in doing research and distributing educational research reports. That might be how we acquired the ERIC library on Microfiche.
Research Support

• University “Mini Grants” announced Fall 1972
  “The Mini-Grant Program is designed to encourage and assist
  the GSU community in conducting projects that will enable the University to better
  achieve its goals and fulfill its mission. Project designed to improve instruction,
  research, community service are supported.” (Sept. 1972 Faze 1)

• First mention of “Research Grant” is a list of announcements in Faze 1
  newsletter, September 1975.

• URG- University Research Grant awards announced, 1990 replacing Mini-
  grants (July 9 FYI newsletter https://opus.govst.edu/fyi/55/)
  • SR-SPD Sponsored Research, Sponsored Professional Development – release time for research (1 course)
  • Alumni Grants
  • URPG – Undergraduate Research Program Grant 2014 (First Symposium 2015)

Research support has been offered to faculty in the form of grant money from 1972 to the present, but the grants’ name has changed. First they were mini grants, and then University Research Grants, and now we have intellectual Life, and University Research Grants, and Center for the Junior Year grant.
Research support has also been available to faculty in the form of release time to conduct research; this has evolved over the years as well. Since about 2005 and the introduction of Rank and changes to tenure and promotion that require higher research benchmarks, the University has pivoted in various ways to support the time faculty need for research.

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Increased focus on research

- Faculty were able to apply for “release CUES” prior to 2005.
- The Faculty Senate Scholarship Task force issued a report on Scholarship, including defining Scholarship for GSU, on March 8, 2001 ([https://opus.govst.edu/facultysenate_documents/12/](https://opus.govst.edu/facultysenate_documents/12/))
- Rank was introduced in the 2003-2005 UPI-GSU contract, begins Fall 2005. **10 month contract; pool of research “release” CUES.**
- Office of Sponsored Programs and Research established ca. 2006.
- Division Criteria (evaluation criteria) updated in 2004, again in 2000s, increasing the benchmarks for peer-reviewed and juried products
- Trend towards lower teaching loads and more research release time for Unit A Tenure Track faculty in 2000’s
- 4-4-1 Calendar (Fall, Spring, Summer) semester system introduced 2010-11
A warehouse in Park Forest South was GSU’s home from opening day in 1971 until 1974 when the lease was not renewed, the University had to move to its new home whether it was ready or not!
All good research begins with a visit to the library and a literature search, right? This is the Learning Resources Center at the mini campus about 1972. Some of that furniture is still around!
Once in the library, library faculty and staff are ready to help you. This is the Reference Desk in the mini campus; and bookstacks. Planners for a private college in Park Forest in the late 1950s and early 1960s envisioned a state of the library totally on microfilm! We see that in 1969 we still needed books. Much of the library came from St. Dominic’s College that
closed. We still have some of the furniture you see.
Younger folks have no idea how much time was needed to do a proper literature search, whether for faculty research or student papers! This is the card catalog, you can visit it in the GSU Archives. The woman facing the camera is doing a book search, flipping through cards.
in the catalog drawer. The collection included vinyl LPs and film.
The Library held a wake for the Card Catalog on October 31, 1990, but it was repurposed as a 35mm slide library.

You can still visit it in the GSU Archives.
GSU partnered with the US Department of Education’s ERIC Clearinghouse in the early days to evaluate teaching methods and the university’s innovative methods. This is Dr. Carl Peterson, on the left accessing an ERIC microfiche in the Library; we still have that collection. Carl was both a librarian and on the instructional media staff.
GSU Literature Search - 1972

Print indexes
“Plug n play” Environmental Science vans could be plugged in on campus, backed up to loading docks, and used on campus and out in the field. BS and MS in Environmental Biology.
Faculty research profiles were used to promote GSU faculty in the early 1980s.
This is an example of what Faculty Research Profiles looked like. Mimi Kaplan was a librarian at GSU. She is a founder of the Y-Me Breast Cancer support organization which is a well known national self advocacy organization. After a long career in the Navy, Joe Meredith got a library science degree and became one of the early Library faculty members; he is the founding GSU Archivist and he documented the history of Park Forest South, establishing its Archives here at GSU as he was a Village Trustee and also acting village President.
We generated a report using Web of Science citation index which is using a select list of peer reviewed scholarly journals, book chapters, and conference proceedings (where Governors State University address data was available as an author address) to study GSU research outputs. This slide shows a great increase since Rank was introduced in 2005 (in year 3 of the 2003-2005 UPI-GSU contract). Up until this time Faculty had a 12 month contract; but the 2003-2005 Contract introduced a 10 month contract; by the time Rank
was introduced in 2005, Faculty evaluation criteria were revised (in 2004?) to require minimally 1 peer reviewed or juried product in order to attain Tenure in year 6 of evaluation.

There was over a 100% increase in number of articles, reviews, chapters, and presentations from those performed or published in 2009 (n=16) to 2010 (n=40) and that trend is upward in the last 8 years. (GSU also experienced a turnover in faculty due to retirements, etc. prior to this time). This increase is interesting and Web of Science can be used to generate article and author level data for more analysis.

Web of Science includes the physical and social sciences, as well as arts and humanities.

Limitations and Caveats: Not all disciplines are well represented, and co-authors from GSU may be overlooked when a journal does not include the address of all co-authors in the article. We need to investigate the WOS year of implementing coverage for proceedings, book chapters.
GSU’s most productive author is Gail B. Kempster of the Communications Disorders program. Her 1993 article is cited about 13 times per year.

PERCEPTUAL EVALUATION OF VOICE QUALITY - REVIEW, TUTORIAL, AND A FRAMEWORK FOR FUTURE-RESEARCH

- N=359 citations 1993-2019 (WOS)
- Google reports 703 citations
- Average of 13.3 citations *per year* (WOS)
- Responsible for 11.3% of GSU citations each year. (n=116)
Web of Science is a multidisciplinary citation index. The citations to faculty research also increased since 2005. These do not include self-citations.
Citations to GSU Faculty Research, WOS, 1972-2019

• n=5,452 (excluding self citations)

• Average= 116 per year (excluding self-citations)

• $h$-index=34 ($h$ items that have been cited at least $h$ times)

• Average=6.48 citations per item
Web of Science Categories

- Education Educational Research: 71
- Information Science Library Science: 52
- Chemistry Multidisciplinary: 35
- Psychology Applied: 35
- Sociology: 37
- Environmental Sciences: 32
- Psychology: 29
- Public Environmental Occupational Health: 36
- Health Policy Services: 29
Top 10 GSU Authors 1970-2019

- Carlson J: 41 papers
- Sievering H: 20 papers
- Chen X: 14 papers
- Blegen M: 13 papers
- Bourgeois AP: 17 papers
- Blobaum PM: 13 papers
- Gross HE: 17 papers
- Henne WA: 13 papers
- Marak A: 13 papers

Suddick DE: 22 papers
Since 2014, Faculty can disseminate their research through our institutional repository, OPUS. We also have a state law and GSU Open Access policy that encourages faculty to do this.

There is a book gallery that showcases faculty and staff monographs; and faculty are contributing working papers, presentations, and open access articles and manuscripts published in journals. Contact me for more information.
Limitations

• Though inclusive of social sciences, physical sciences, and arts and humanities, WOS is highly selective
• Some fields are not well represented
5 Journals that we know about were published at GSU in the past 50 years. In addition to these three, the Journal of Communications Therapy edited by Dr. Tulsi Saral was started here but some of the issues were published by University of Houston after he relocated to that campus. Third World in Perspective, edited by Dr. Roger Oden, was related to the Third World Conference that was sponsored by the University for many years, this had an international exposure with contributions from around the world. Insight & Hindsight, edited by Dr. Rachel Berg, published student essays and papers mostly from the GSU Psychology and Counseling division. Creative Woman Quarterly was edited by Helen Hughes, and had national expires in the 1980s. With grant support from our consortium CARLI, this journal was digitized and is hosted on CARLI digital Collections; and is available online through the Digital Public Library of America. The next slide shows the current journal we publish on the Digital Commons platform.
Dr. Ned Laff brought this journal to GSU when he came as Director of the Junior Year. It is published twice a year, and has international readership. There are over 7,000 downloads so far, and the Journal began publishing on OPUS in Fall 2016.
In the past our programs have encouraged graduate students to contribute their graduate capstone or theses to the library. From our earliest capstone in 1973 until 2010, these were completed in print format and then cataloged and bound for library circulation (1 copy at a time per person). Here are examples of various works, a graduate recital from our music program, and a thesis on the Innovator student newspaper.
The founders of GSU were guided by a vision of teaching based in community based research and assessment. Here are some examples of student research that are related to local communities in our region of the south suburbs of Chicago.

### Student Research on Local Communities

- **A political history of Chicago Heights**, 1976 M.A. thesis by Marian Manfranchi
- **Community college-GSU articulation in the Social Sciences**, 1980 M.A. thesis by Erwin Conrad
Students have national and international exposure. In 2012 our MFA students’ film “Careless” was screened at the International Student Film Festival in London.
This is our print capstone and thesis collection in the GSU archives. Students gave the library 2 copies; one for archives and one for circulating in Main Stacks shelves.

GSU Library Holdings

- 40 Ed.D. capstones (digital and print)
- 115 digital capstones published 2010-2019
- 327 digital theses published 2010-2019
- 1,661 print Capstones and Theses 1973-2009

First 100 Capstones and Theses, 1973-1983

https://i-share.carli.illinois.edu/vf-gsu/MyResearch/MyList/7314
GSU Student Conferences

- Office of the Provost introduced 1st Annual GSU Student Conferences commenced on May 26, 1995

- Students of all four GSU Colleges participated
  - College of Arts and Sciences
  - College of Business and Public Administration
  - College of Education
  - College of Health Profession
The GSU presidents gave welcome in each Student Research Conference from 1995-2015.
Annual GSU Student Research Conference

- The format of the conference was just like a professional conference
  - Oral Presentation
  - Poster Presentation
  - Luncheon
  - Keynote Speaker
  - Certificates of Merit – Presented to students by President
1st Annual GSU Student Research Conference
Friday, May 26, 1995

CONGRESS STEERING COMMITTEE

Conference Organizer
Shelly Kumar

College Representatives
Linda Boyer, College of Education
Carolyn Fraser, College of Health Professions
Akknad Issac, College of Business and Public Administration
Larry Levinson, College of Arts and Sciences

A MESSAGE FROM THE CONFERENCE STEERING COMMITTEE

The steering committee is excited to announce the 1st Annual GSU Student Research Conference to be held on May 26, 1995. When planning this conference, the committee had several objectives:

1. To provide students an opportunity to present their research work before an audience of their peers, and to use the comments they receive to improve presentations made at professional conferences.
2. To provide a forum to highlight research accomplishments at GSU, and honor students presenting their research work.
3. To generate enthusiasm among student body in general, and encourage them to pursue research and other scholarly activities.
4. To enhance communications in the area of research among the four colleges at GSU. The interactions may also lead to collaborative work among students and faculty of different colleges.
5. To enhance the image of GSU in the area of teaching, as research is considered integral part of teaching at the university level. In the long run larger number of students attracted toward research would enroll at GSU to pursue higher education.

The committee hopes that this event will lead to a continuous series of student research conferences. Enjoy the conference and share the excitemt of fruits of research.
1st Annual GSU Student Research Conference
All-Day Conference with back-to-back oral and poster presentations

1st Annual GSU
Student Research Conference
Friday, May 26, 1995

PROGRAM SUMMARY

Englewood Hall:
8:30 - 9:00 A.M.           Conference Registration
9:00 - 9:20 A.M.           Welcome and Introduction
9:20 - 10:20 A.M.          Podium Presentations (3)
10:20 - 10:40 A.M.         Refreshment Break
10:40 - 12:00 Noon        Podium Presentations (4)

Hall of Honors:
12:00 Noon - 12:45 P.M.    Lunch
12:45 P.M. - 1:30 P.M.     Keynote Speaker: Dr. J.D. Trout
1:30 P.M. - 2:00 P.M.      Poster and Poster Presentations

Englewood Hall:
2:00 P.M. - 3:20 P.M.      Podium Presentations (4)
3:20 P.M. - 3:40 P.M.      Refreshment Break
3:40 P.M. - 5:00 P.M.      Podium Presentations (4)
5:00 P.M. - 5:55 P.M.      Concluding Remarks
1st Annual GSU Student Research Conference
24 Students participated from all colleges
15 Faculty sponsored the presentations

1st Annual GSU Student Research Conference
Friday, May 26, 1995

STUDENT PARTICIPANTS

<table>
<thead>
<tr>
<th>Student</th>
<th>Name, A., College</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bruce Daniels</td>
<td>Computer Science, CAS</td>
<td>23</td>
</tr>
<tr>
<td>Hsing Chiu</td>
<td>Computer Science, CAS</td>
<td>22</td>
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<tr>
<td>Gene Jones</td>
<td>Environmental Biology, CAS</td>
<td>31</td>
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<tr>
<td>Scott Brindle</td>
<td>English, CAS</td>
<td>26</td>
</tr>
<tr>
<td>Mary Lou Bullock</td>
<td>Health Administration, CHP</td>
<td>15</td>
</tr>
<tr>
<td>David Crowell</td>
<td>Public Administration, CHP</td>
<td>25</td>
</tr>
<tr>
<td>Jeff Dowd</td>
<td>Media Communications, CAS</td>
<td>28</td>
</tr>
<tr>
<td>Joe Jansen</td>
<td>Psychology, COE</td>
<td>19, 32</td>
</tr>
<tr>
<td>Scott Furey</td>
<td>Computer Science, CAS</td>
<td>33</td>
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<tr>
<td>Brenda Hart</td>
<td>English, CAS</td>
<td>19</td>
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<tr>
<td>Ann Jeffrey</td>
<td>Media Communications, CAS</td>
<td>28</td>
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<tr>
<td>George Kasoulis</td>
<td>Art, CAS</td>
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<tr>
<td>Marc Kozar</td>
<td>Speech Language Pathology, CAS</td>
<td>20</td>
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<tr>
<td>Thomas L. Rysz</td>
<td>Art, CAS</td>
<td>22</td>
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<tr>
<td>John Lakeforme</td>
<td>Computer Science, CAS</td>
<td>20</td>
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<tr>
<td>Charles M. Lye</td>
<td>Media Communications, CAS</td>
<td>26</td>
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<tr>
<td>Kelly Pfaff</td>
<td>Analytical Chemistry, CAS</td>
<td>17</td>
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<td>Doris Shuler</td>
<td>Computer Science, CAS</td>
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<td>Paul Shuler</td>
<td>Media Communications, CAS</td>
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<tr>
<td>James Simek</td>
<td>Analytical Chemistry, CAS</td>
<td>24</td>
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<td>Yoshio Tomiyasu</td>
<td>Media Communications, CAS</td>
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<td>Richard Tanaka</td>
<td>Computer Science, CAS</td>
<td>20</td>
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<tr>
<td>Nongang Wang</td>
<td>Business, CHP</td>
<td>27</td>
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<tr>
<td>Joan Wallington</td>
<td>Business, CHP</td>
<td>14</td>
</tr>
</tbody>
</table>

1st Annual GSU Student Research Conference
Friday, May 26, 1995

FACULTY SPONSORS

<table>
<thead>
<tr>
<th>Faculty</th>
<th>College</th>
<th>Page</th>
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<tr>
<td>Arthur Bourgeois</td>
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<tr>
<td>Michael D'Amato</td>
<td>COE</td>
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<td>Donna Gelveny</td>
<td>CHP</td>
<td>15</td>
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<td>Mercedes Hernandez</td>
<td>CCE</td>
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<td>Susanne Hiltner</td>
<td>CHP</td>
<td>29</td>
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<tr>
<td>Mary Howes</td>
<td>CBPA</td>
<td>25</td>
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<tr>
<td>Alphonso Isaac</td>
<td>CBPA</td>
<td>18</td>
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<tr>
<td>Patricia Kuenzler</td>
<td>CAS</td>
<td>16, 26</td>
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<tr>
<td>Shilendra Kumar</td>
<td>CAS</td>
<td>17</td>
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<tr>
<td>Edward C. Miller</td>
<td>CAS</td>
<td>31</td>
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<td>Gregory Mestebier</td>
<td>CAS</td>
<td>24</td>
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<tr>
<td>Scott O. Park</td>
<td>CAS</td>
<td>20, 33</td>
</tr>
<tr>
<td>Paul Schwarz</td>
<td>CAS</td>
<td>21</td>
</tr>
<tr>
<td>Eli Segal</td>
<td>CAS</td>
<td>28</td>
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<tr>
<td>Sternberg Zhao</td>
<td>CAS</td>
<td>23, 27</td>
</tr>
</tbody>
</table>

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1st Annual GSU Student Research Conference

CONFERENCE PROGRAM

11:00 A.M. CONFERENCE OPENING

11:15 A.M. STUDENT PRESENTATIONS

12:00 P.M. LUNCH AND VIDEO PRESENTATIONS

1:00 P.M. PANEL DISCUSSIONS

2:30 P.M. PRESENTATIONS AND AWARD CEREMONIES

3:30 P.M. CLOSING REMARKS
All GSU Student Research Conferences proceedings are not available in OPUS at http://opus.govst.edu/events
### Annual GSU Student Research Conference 1995-2015

#### Keynote Speakers

<table>
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<tr>
<th>Year</th>
<th>Name</th>
<th>Institution</th>
<th>Field</th>
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</thead>
<tbody>
<tr>
<td>1995</td>
<td>J.D. Trout</td>
<td>Loyola University</td>
<td>Philosophy</td>
</tr>
<tr>
<td>1996</td>
<td>John B. Ketterson</td>
<td>Northwestern University</td>
<td>Physics</td>
</tr>
<tr>
<td>1997</td>
<td>Michael M. Mimaugh</td>
<td>Chicago State University</td>
<td>Chemistry</td>
</tr>
<tr>
<td>1998</td>
<td>Stanley Smith</td>
<td>U of Illinois, Champaign-Urbana</td>
<td>Chemistry</td>
</tr>
<tr>
<td>1999</td>
<td>Leigh Estabrook</td>
<td>U of Illinois, Champaign-Urbana</td>
<td>Library Science</td>
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<tr>
<td>2000</td>
<td>Ralph W. Nicholas</td>
<td>University of Chicago</td>
<td>Anthropology</td>
</tr>
<tr>
<td>2001</td>
<td>Pierre LeBreton</td>
<td>University of Illinois, Chicago</td>
<td>Chemistry</td>
</tr>
<tr>
<td>2002</td>
<td>John E. Woods</td>
<td>University of Chicago</td>
<td>History</td>
</tr>
<tr>
<td>2003</td>
<td>Joy Hammel</td>
<td>University of Illinois, Chicago</td>
<td>Occupational Therapy</td>
</tr>
<tr>
<td>2004</td>
<td>Ghanshyam M. Pandey</td>
<td>University of Illinois, Chicago</td>
<td>Psychiatry</td>
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<tr>
<td>2005</td>
<td>Kathleen D. Morrison</td>
<td>University of Chicago</td>
<td>Anthropology</td>
</tr>
<tr>
<td>2006</td>
<td>Mrinalini Rao</td>
<td>University of Illinois, Chicago</td>
<td>Physiology &amp; Biophysics</td>
</tr>
<tr>
<td>2007</td>
<td>William Van Bonn</td>
<td>John G. Shedd Aquarium</td>
<td>Veterinary Medicine</td>
</tr>
<tr>
<td>2008</td>
<td>Theodore L. Steck</td>
<td>University of Chicago</td>
<td>Molecular Biology</td>
</tr>
<tr>
<td>2009</td>
<td>Michael Labarbara</td>
<td>University of Chicago</td>
<td>Biology &amp; Anatomy</td>
</tr>
<tr>
<td>2010</td>
<td>Stephen Hill</td>
<td>Northwestern University</td>
<td>Music</td>
</tr>
<tr>
<td>2011</td>
<td>Umesh Garg</td>
<td>Notre Dame University</td>
<td>Physics</td>
</tr>
<tr>
<td>2012</td>
<td>CAS Faculty</td>
<td>Governors State University</td>
<td>Arts &amp; Sciences</td>
</tr>
<tr>
<td>2013</td>
<td>Carol L. Adams</td>
<td>The DuSable Museum of African American History</td>
<td>History</td>
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<tr>
<td>2014</td>
<td>Philippe A. Cotton</td>
<td>Notre Dame University</td>
<td>Physics</td>
</tr>
<tr>
<td>2015</td>
<td>Peter Gena</td>
<td>Art Institute of Chicago</td>
<td>Music</td>
</tr>
</tbody>
</table>

Keynote speakers came from across the region.
BGU Student Conferences at GSU

Board of Governors Universities

- Chicago State U
- Eastern Illinois U
- Governors State U
- Northeastern Illinois U
- Western Illinois U
Here are some photos from the Student Research Conference, 1995-2015
This program is also available in Opus at http://opus.govst.edu/events
GSU Research Day 2016 - Present

Student Presentations from all Colleges
Faculty Presentations from all Colleges
OPUS – Open Portal to University Scholarship

• Digital Capstone and Theses implemented in 2010
• OPUS launched in June 2014
• 383 graduate capstones
• 115 graduate theses

257,897 total downloads of student research manuscripts to date!
<table>
<thead>
<tr>
<th>Title</th>
<th>Downloads</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exploring the Effects of Text Messaging on the Spelling Skills of Ninth and 12th Grade Students, 2011 M.A. Communications, James Muhammad</td>
<td>25,357</td>
</tr>
<tr>
<td>Superman’s Ancestors - Beowulf, Odysseus and Roy Hobbs: Application and Analysis of Joseph Campbell’s Monomyth Theory, 2011 M.A., English, Michael Keely</td>
<td>2,489</td>
</tr>
<tr>
<td>An Exploration of Dual Identity in Sandra Cisneros’s The House on Mango Street, 2015 M.A., English, Maria D. Ramirez</td>
<td>1,636</td>
</tr>
<tr>
<td>Redefining the Gothic: How the Works of Carson McCullers, Tennessee Williams &amp; Flannery O’Connor Retained Gothic Roots and Shaped the Southern Gothic, 2012 M.A., English, Sarah N. Koehler</td>
<td>1,505</td>
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</table>
## Top 5 Capstone Project Readership 2010-2019

<table>
<thead>
<tr>
<th>Title</th>
<th>Downloads</th>
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</thead>
<tbody>
<tr>
<td>Design and Implementation of E-Commerce Site for Online Shopping, 2014 M.S. Computer Science, Sidhartha Reddy Vatrapu</td>
<td>57,218</td>
</tr>
<tr>
<td>Smart Inventory Management System, 2015 M.S. Computer Science (4 authors)</td>
<td>11,165</td>
</tr>
<tr>
<td>Hotel Management System, 2016, M.S. Computer Science, (4 authors)</td>
<td>10,991</td>
</tr>
<tr>
<td>Payroll Management System, 2014, M.S. Computer Science (4 authors)</td>
<td>10,756</td>
</tr>
<tr>
<td>Parental Involvement and Academic Achievement, 2015, M.A. Multicategorical Special Education, Rosie Thornton</td>
<td>9,331</td>
</tr>
</tbody>
</table>
Global Reach of GSU Research
2014-19  OPUS.GOVST.EDU
For more information visit us at the 12:30 pm Poster Session!

Shelly Kumar and Paul Blobaum