Capturing Rowan University Student Scholars Symposium Posters in Rowan Digital Works: From Pilot to Reality

Daniel G. Kipnis
Rowan University

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Capturing Rowan University Student Scholars Symposium Posters in Rowan Digital Works: From Pilot to Reality.

Daniel G. Kipnis, MSI
Rowan University

Tuesday, June 18, 2019
First Annual Northeast Institutional Repository Day 2019 (NIRD19)
Who I am

Daniel G. Kipnis, MSI

• Life Sciences Librarian, Rowan University, Glassboro, New Jersey
• Currently sit on IR committee for Campbell University Libraries
• Formerly, IR manager at Thomas Jefferson University: Jefferson Digital Commons, Philadelphia, Pennsylvania
A little about Rowan

Rowan University

• Recently reclassified R2 institution, 19,000 students, 2 medical schools, 3 campuses
• 25 miles southeast of Philadelphia PA in bucolic Glassboro New Jersey
Agenda

• Historical perspective on project
• Goal of project
• Lessons learned
• Conclusions
• Questions
Historical Perspective

- Pilot year 2018: Seeking STEM posters from student symposium
  - Type of series - decided on event series
  - Where in IR structure new series would go - created new community Conferences, Events & Symposia
  - Determined metadata and workflow needed
Goals of project: Pilot year 2018

- To archive all 227 undergraduate STEM symposium posters in Rowan Digital Works
- To have students upload their own metadata and signed permission forms
- To minimize librarian involvement in getting posters in IR
- To create a platform to archive future (and possibly past) STEM symposiums held at Rowan University

21st Annual STEM Symposium held Friday April 20, 2018
Customized poster upload form

• Authored detailed handout with screenshots and step-by-step instruction on how to deposit posters
• Worked with bepress consultant to develop customized upload form for deposit
• Form included detailed instructions for each field, to help students understand how to upload their metadata
This page showcases student posters from the STEM Student Research Symposium held annually on the Glassboro campus, beginning with the 21st Annual Symposium which occurred on April 26, 2018.

Browse the contents of Student Research Symposium Posters:

2018
Reminder email sent Sunday April 22nd (Event was on Friday April 20th)

How to share your STEM Symposium poster outside Rowan

The 2018 STEM Symposium may have come and gone, but you can still share your STEM poster online and reach the STEM community beyond Rowan University! Instructions for uploading your poster to Rowan Digital Works are available in the STEM Symposium 2018 Post-Submission Packet.

Rowan Digital Works is a service provided by the Rowan University Library. If you have questions about the uploading process or about Rowan Digital Works in general, you are encouraged to get in touch with Daniel Kipnis kipnisd@rowan.edu for assistance.

Contact Information:
Gregory Hecht
Dept. Biological Sciences
Associate Professor / Coordinator Rowan University STEM Symposium
hecht@rowan.edu
Phone: 856-256-4500 x33577

Email sent out to the entire University campus!!

This will work.

All hands on deck, batten down the hatches!!
Upload Poster form

Student Research Symposium Posters

STUDENT RESEARCH SYMPOSIUM POSTERS

Title

Please use Headline Style Capitalization e.g., The Scholarly Communication Crisis

Enter title:

Student Name

Enter author information using your permanent (not rowan.edu) email address if you want to receive monthly download statistics after graduating from Rowan. Use the green button in the lower right corner of this field to add any additional authors.

Search For An Author Using: Last Name, First Name, Email, or Institution

1

Email First Middle Last Suffix Institution

Search...
Sidebar, more of form

Author Corner
- Download Faculty Sponsor Permission Form
- Instructions for Loading Posters
- Submit Poster

Contact Us

Date of Presentation
Poster sessions occur at 8:00 AM, 10:00 AM, 12:00 PM and 2:00 PM (14:00 hours).

Hour Minute Month Day Year

College
If representing more than one college, please designate lead affiliation.

Lead affiliation:
- College of Communication & Creative Arts

Faculty Sponsor(s)
Please enter the full name(s) of your faculty sponsor(s). If more than one, separate with a comma.

Faculty Sponsor(s):

Poster Abstract
Learn how the description can improve the discovery of your document in Google and Google Scholar.

Poster Abstract:
**Poster Abstract**

Learn how the description can improve the discovery of your document in Google and Google Scholar.

**Student Keywords**

Please enter up to 8 keywords or phrases, separated by commas, that best describe your poster content.

**Disciplines**

Please indicate the academic discipline(s) that best describes your submission. Click here to view the complete list of disciplines.

**Supplemental File**

Check this box to upload your signed Faculty Permission Form on the following screen. This may take a while. Please only click once.
Permission form

Permission form for Rowan Undergraduate Research Posters

Posters created for the Rowan Undergraduate Research Symposium are eligible for deposit in Rowan Digital Works with the signature of a faculty sponsor(s). Rowan Digital Works (RDW), is the Institutional Repository (digital archive) of Rowan University.

The objectives of the Rowan Undergraduate Research Posters Conference collection in RDW are to:

• Provide open access to the materials offered at the annual Rowan Undergraduate Research Posters symposium
• Demonstrate the variety, depth, and utility of the annual Rowan Undergraduate Research Posters symposium by Rowan University
• Securely archive the Rowan Undergraduate Research Posters in one digital space

I grant permission to provide internet access to my original research and scholarship through Rowan Digital Works (RDW).

• I grant and assign to Rowan Digital Works the non-exclusive right to publish my work throughout the world in electronic format and to market it or any part of it as it sees fit, including distribution through third-party database aggregators. Copyright of this work remains in my name and I reserve all other rights.

• I represent and warrant that the work (a) is my original work and I have full power to enter into this agreement; (b) does not infringe on the copyright or property right of another and have secured any permissions that may be required; and (c) contains no material which is obscene, libelous, defamatory, or violates another's civil right, right of privacy, or is otherwise unlawful. I shall indemnify and hold Rowan Digital Works harmless against loss or expenses arising from breach of any such warranties.

• In the case of a multi-authored work, I, by accepting this agreement, signify the acceptance of terms for myself and all other authors.

Please note that nothing in this agreement represents a transfer of copyright nor does it restrict deposit of your contribution to another institutional or disciplinary repository.

By signing this contract I represent and warrant that the above are true.

Please print:

Student Name(s) (list all students authoring poster):

(Continued on reverse)

Student Signature of main author & Date: __________________________

Student Personal Email Address: _________________________________

Department: ________________________________

Title of Poster: ____________________________________

FACULTY SPONSOR MUST SIGN OFF IN ORDER FOR POSTER TO BE DEPOSITED IN RDW

PLEASE PRINT

Faculty Sponsor Name: ________________________________

Faculty Sponsor Signature: ______________________________

______ Yes, I have evaluated this project and sign off on it being deposited and archived for open access in Rowan Digital Works

Form should be returned to student who will submit their poster and signed form for deposit in Rowan Digital Works.
2018: Pilot year

- Archived 5 of 227 (2.2%) posters
- We handed out permission forms to 45 unique poster teams (19.8% of posters in symposium)
- Discussed benefits of depositing poster in RDW
- Handed out business card if had any questions
- Great visibility for library and librarians
2019: Year 2 following pilot year, changes included:

- Library had table in the presentation room
- Librarians handed out over 150 permission forms to students
- Librarians spoke with faculty and encouraged them to sign permission form
- Librarians present for entire symposium to answer questions and offer to load posters
Drum Roll Please!

• Pilot year (2018): 5 posters archived

• Year 2 (2019): 7 posters archived
Issues

• **Permission form** a roadblock -
  • In 2 instances student did not upload scanned permission form as supplemental file
  • Students might not know where or how to scan?
  • Needing to follow-up with student for permission forms
• **Timing**: last week prior to exams, students were busy
## Poster schedule

### 2018

**Friday, April 20th**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenters</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00 AM</td>
<td><strong>Introduction To Infrastructure - The Influence of Natural Disasters on Infrastructure</strong></td>
<td>Tri Tam Nguyen, Rowan University</td>
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<tr>
<td></td>
<td></td>
<td>Sean M. Raday, Rowan University</td>
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<td></td>
<td></td>
<td>Daniel Leverick, Rowan University</td>
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<tr>
<td></td>
<td></td>
<td>10:00 AM</td>
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<tr>
<td>12:00 PM</td>
<td><strong>Using Data Visualization to Inform Machine Learning Approaches</strong></td>
<td>Eric N. Zielonka</td>
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<tr>
<td></td>
<td></td>
<td>Aleksandr Fritz</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10:00 AM</td>
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<tr>
<td></td>
<td><strong>Aircraft Hangar Demolition and Reconstruction</strong></td>
<td>Anthony Feeney, Rowan University</td>
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<td>Stephen Luppino, Rowan University</td>
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<td>Michael Simeone, Rowan University</td>
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<td>Tony Carlino, Rowan University</td>
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<tr>
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<td>12:00 PM</td>
</tr>
<tr>
<td></td>
<td><strong>Ecological Footprint of Flood Mitigation Structures at the Absecon Inlet</strong></td>
<td>Eduardo Garcia, Rowan University</td>
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<td>MacKenzie Carr, Rowan University</td>
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<td></td>
<td></td>
<td>Jason Loeffler, Rowan University</td>
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<tr>
<td></td>
<td></td>
<td>12:00 PM</td>
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<tr>
<td>2:00 PM</td>
<td><strong>Primordial Black Hole Atoms</strong></td>
<td>David Zwick, Rowan University</td>
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<td>Tyler Hanover, Rowan University</td>
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<tr>
<td></td>
<td></td>
<td>Brian Nepper, Rowan University</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2:00 PM</td>
</tr>
</tbody>
</table>
Introduction To Infrastructure - The Influence of Natural Disasters on Infrastructure

Tri Tam Nguyen, Rowan University
Sean H. Rodov, Rowan University
Daniel Leverick, Rowan University

Date of Presentation
4-20-2018 10:00 AM

College
Henry H. Rowan College of Engineering

Faculty Sponsor(s)
Ralph Dusseau, Jagadish Torapati

Poster Abstract
In this paper, three major hurricanes in 2017 were examined to determine the damage these hurricanes have done to the infrastructure. Infrastructure has an important role in the nation's sustained economic development. Infrastructure consists of two main types which are “hard” infrastructure and “soft” infrastructure. Hard infrastructure is the physical networks which includes transportation, power, etc., while soft infrastructure is institutions and human capital. Inadequate and inefficient performance of “hard” or “soft” infrastructure would prevent economy from achieving full growth. In the past decades, a significant increase in the number of natural disasters has had great impact on infrastructure systems. The primary topics discussed include demographic analysis, geotechnical failures, structural damage, transportation, and environmental issues. Based on the examined information, each location will be evaluated by the sustainability and resiliency of its infrastructure systems.

Student Keywords
Downloads so far entire collection (as of June 13, 2019):

- 162 total downloads for all 12 posters
- 33 countries and 40 institutions (87% educational)
- **Introduction To Infrastructure - The Influence of Natural Disasters on Infrastructure** (59 downloads since April 30, 2018)
- **Ecological Footprint of Flood Mitigation Structures at the Absecon Inlet** (27 downloads since April 30, 2018)
- **Using data visualization to inform machine learning approaches** (20 downloads since May 3, 2018)

- **2019 Middle-States Accreditors: RDW Accolade**
Lessons learned from second year

• **Biggest obstacle: FACULTY unwilling to share data**
• 2019: 7/223 (3%)...but deposits can happen at any time!
• 2 year statistics: 12/450 posters (2.7%)
• 3rd year (2020): Going to push embargoes with faculty to encourage more deposits
• Next year one class will make it mandatory
• Symposium will continue to expand and include entrepreneurship posters (more inclined to share and deposit?)

Email me ideas that have worked at your institutions
Acknowledgments

- Gregory Hecht, PhD, Associate Professor, Department of Biological Sciences, Rowan University
- Hannah Whitman, Digital Commons rep, for helping us create customized forms
Thank you

Questions?

Dan Kipnis, MSI, Rowan University, kipnisd@rowan.edu