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Opus: Research & Creativity at IPFW: 2011 Statistical Report

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Opus: Research and Creativity at IPFW 2011 Statistical Report

Opus: 2011 Highlights

The institutional repository, *Opus: Research and Creativity at IPFW*, marked its second full year in 2011. *Opus* raises IPFW's national profile through open access to the academic and creative accomplishments of IPFW faculty and students. *Opus* identifies IPFW's published work and provides access to the full text of that work whenever possible.

In 2011 the content of *Opus* continued to expand in all categories. Highlights include:

- Over 6,000 [faculty scholarly and creative accomplishments](#) now in *Opus*
- Began adding [IPFW Master's Theses](#)
- The IPFW College of Education and Public Policy's journal [scholarlypartnership.edu](#) back files were added to *Opus*; current issues are now being published online with *Opus*
- [Third Annual Department of History Undergraduate Conference](#) abstracts
- 2011 [Student Research and Creative Endeavor Symposium](#) abstracts
- Over 1,000 [College of Engineering, Technology, and Computer Science Senior Capstone Projects](#)
- [Faculty Profiles](#) increased from 15 to 27

Web Analytics and Analysis

A variety of data is generated by Google Analytics and Bepress, software host for the *Opus* site. Definitions and explanations of the data have been added in the tables below. Faculty also receive a monthly readership report. This report has been improved dramatically and now provides a direct link to the Author Dashboard. The author's Dashboard shows search terms visitors used, titles downloaded, institutions that accessed their work, and referral URLs. This data provides valuable metrics and information about who is reading their work.











Web Analytics and Analysis: Visits, Page Views, Hits, and Downloads

This year's data shows a significant increase in content and use. Since 2010 the number of visitors to *Opus* has quadrupled, hits have tripled, and page views have doubled. Over 150 countries and 4,000 cities visited *Opus* in 2011. Downloads from *Opus*, an indication of readership, visibility, and impact, has increased sevenfold from 4,593 in 2010 to over 33,000 in 2011.

For the reporting of use statistics bepress has implemented a sophisticated filtering system to register download counts. This system filters out thousands of known robots and performs sophisticated heuristics to automatically discover unknown, unidentifiable and undisguised robots, automated processes, crawlers, and span-bots (RACS) and remove other download abuses and anomalies. Authors, deans, chairs, and administrators can be confident of the efficacy of hit and download counts from *Opus*.

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Visits The number of individual sessions initiated by all the visitors to Opus	2010	2011
Total Visits	7,682	29,231
Unique Visits	5,727	23,451
Returning Visits	1,855	5,979
Country Visits	109	150
City Visits	1,699	4,729

Country/Territory	Visits	% Visits
1. United States	19,249	 65.85%
2. United Kingdom	1,298	 4.44%
3. Canada	1,033	 3.53%
4. India	757	 2.59%
5. Australia	557	 1.91%
6. Germany	426	 1.46%
7. Philippines	401	 1.37%
8. China	352	 1.20%
9. Malaysia	224	 0.77%
10. Spain	209	 0.71%

Page Views	2010	2011
Page Views - an instance of a page being loaded by a browser.	38,641	89,188
Unique Page Views - aggregates pageviews that are generated by the same user during the same session. A <i>unique pageview</i> represents the number of sessions during which that page was viewed one or more times.	23,950	61,709
Pages/Visit – the average number of pages a visitor viewed before leaving <i>Opus</i> .	5	3.46

Hits and Downloads	2010	2011
Hits	66,920	196,963
Downloads	4,593	33,266

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Web Analytics and Analysis: Browsers, Operating Systems, and Devices

The most popular browsers used when accessing *Opus* are Internet Explorer and Firefox. Chrome and Safari tie for the third most used browser. By far the most commonly used operating system to access *Opus* is Windows at 77%, while Macintosh is used 19% of the time.

One interesting statistic that bears watching in light of the IPFW's iPad faculty cohort program, is the rise in access by mobile devices. Last year only 1% of traffic came via mobile devices, but this year's data shows that about 3% of traffic to *Opus* came from mobile devices, the top two being the Apple iPad and the Apple iPhone. The biggest users of mobile devices for accessing *Opus* in 2011 were the United States, United Kingdom, Canada, Australia, and South Korea.

Browsers	
Internet Explorer	38%
Firefox	30%
Chrome	15%
Safari	15%
Opera	.67%

Operating Systems	
Windows	77%
Macintosh	19%
Linux	1.58%
iPad	.70%

Mobile Devices	
Total Accesses via Mobile Devices	629
Apple iPad	144
Apple iPhone	107
Not determined	75
Apple iPhone Touch	38

Web Analytics and Analysis: Search Patterns

Google Analytics and bepress Digital Commons provides data on a variety of search methods used to access *Opus*. They track search engines, keywords, URLs, and domains linking to *Opus*. Most visits to *Opus* are the result of keyword searches using the Google search engine.

Overview of Search Patterns		
Total Visits to Opus in 2011	29,231	
Search Traffic – visits by keyword using non-commercial search engines (organic)	20,303	69%
Referral Traffic – visits from domains (and pages in those domains) that are referring traffic to <i>Opus</i> .	5,591	19%
Direct Traffic – visits from URLs entered directly, auto-completion, or bookmarks.	3,337	11%

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Top 10 Sources of Search, Referral, and Direct Traffic

Source/Medium	Visits	Visits	Contribution to total: Visits
1. ■ google / organic	19,003		65.01%
2. ■ (direct) / (none)	3,337		11.42%
3. ■ new.ipfw.edu / referral	2,159		7.39%
4. ■ lib.ipfw.edu / referral	1,300		4.45%
5. ■ search / organic	551		1.88%
6. ■ scholar.google.com / referral	440		1.51%
7. ■ digitalcommons.bepress.com / referral	398		1.36%
8. ■ bing / organic	347		1.19%
9. ■ yahoo / organic	287		0.98%
10. ■ google.com / referral	115		0.39%

The pie chart visualizes the data from the table above. The largest segment is 'google / organic' at 65.01% (blue). The second largest is '(direct) / (none)' at 11.42% (green). Other segments include 'new.ipfw.edu / referral' (7.39%, orange), 'lib.ipfw.edu / referral' (4.45%, yellow), 'search / organic' (1.88%, cyan), 'scholar.google.com / referral' (1.51%, green), 'digitalcommons.bepress.com / referral' (1.36%, orange), 'bing / organic' (1.19%, yellow), 'yahoo / organic' (0.98%, cyan), and 'google.com / referral' (0.39%, light blue).

Top 10 Google Domain Referrals	
www.Google.com	48%
scholar.google.com	10%
www.google.co.in	7%
www.google.co.uk	4%
www.google.ca	4%
www.google.com.au	2%
www.google.com.ph	1.5%
www.google.com.my	1%
scholar.google.co.uk	1%
www.google.com.hk	1%

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Referrals	
Top 10 domains (and pages in those domains) referring traffic to <i>Opus</i>	
Total visits through referrals	5,591
new.ipfw.edu	2,159
lib.ipfw.edu	1,300
scholar.google.com	440
digitalcommons.bepress.com	398
google.com	115
works.bepress.com (Faculty Profiles site for <i>Opus</i>)	110
scholar.google.co.uk	71
Base-search.net (BASE is a search engine operated by Bielefeld University Library, Germany)	44
scholar.google.ca	41
google.co.in	36

A new report available from Google Analytics provides a geographical overview of search Impressions (the # of times an *Opus* URL appeared in the search results viewed by a user), Clicks (# of clicks on *Opus* URLs from a Google Search results page, and Clickthroughs (the ratio of clicks to impressions). This data is interesting because it indicates the global interest in IPFW scholarship and creative works in *Opus*.

Country	Impressions	↓	Clicks	CTR
1. United States	27,000		2,000	7.41%
2. India	3,000		320	10.67%
3. United Kingdom	3,000		250	8.33%
4. Canada	2,500		200	8.00%
5. Australia	1,600		90	5.62%
6. Germany	900		35	3.89%
7. Philippines	700		70	10.00%
8. South Korea	600		16	2.67%
9. Malaysia	500		60	12.00%
10. China	400		22	5.50%

Top 5 Countries with the Most Clicks to Opus from Impressions			
Country	Impressions	Clicks	CTR
Albania	250	60	24%
Kenya	70	12	17.14%
Trinidad and Tobago	70	12	17.14%
Iran	150	22	14.67%
Malaysia	500	60	12%

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Top 20 Hits and Downloads of Faculty Pages in *Opus*

Faculty Author	Title	Department	Hits	Down loads
Lindquist, David and Carolyn Young Lindquist	Challenging Preservice Teachers' Perceptions of the Profession: Applying Breakthrough Thinking in Teacher Preparation Programs. <i>scholarlypartnershipsedu</i> , 3(1), (Spring 2008): 88-99.	Educational Studies	728	709
Murphey, Kathleen and Dawn Runger Martzo	In the Shadow of Brown. <i>scholarlypartnershipsedu</i> , (2)1, (Spring 2007):5-24.	Educational Studies	617	589
Dixson, Marcia	Teaching Family Communication Concepts through Family Stories: An Analysis of Stories and Rituals in David Bradley's "Harvest Home". <i>Communication Teacher</i> , (20)3, (2006): 82-84.	Communication	547	NA*
Nowak, Jeffrey, Joe D. Nichols, Douglass Coutts	The Impact of Full-day vs. Half-day Kindergarten on Student Achievement of Low Socioeconomic Status Minority Students. <i>scholarlypartnershipsedu</i> , (4)1, (Spring 2009):34-49.	Educational Studies	508	464
Codispoti, Margit and M. Gail Hickey	Notable Trade Book Lesson Plan: Hannah is My Name by Belle Yang. <i>Social Studies Research and Practice</i> , 3 (1), (2008):120-125.	Helmke Library and Educational Studies	505	NA*
Hickey, M. Gail and M. Stratton	Schooling in India: Effects of Gender and Caste. <i>scholarlypartnershipsedu</i> , 2 (1), (2007): 59-85.	Educational Studies	445	409
Ludwin, William G.	Indiana Statewide Testing for Educational Progress: Elementary School Achievement Averaged Over Time. <i>National Social Science Journal</i> , 24 (2), (2005): 111-117.	Public Policy	434	NA*
Cross, Denise Jean and Swim, Terri J.	A Scholarly Partnership for Examining the Pragmatics of Scholarly Partnership and Reggio-Inspired Practices: Provocations, Documentation, and Time," <i>scholarlypartnershipsedu</i> , 1(1), (2006):47-68.	Educational Studies	417	364
Murphey, Kathleen A.	Review of the book "Teaching Like That," The Beginnings of Teacher Education at Bank Street by Jaime G. A. Grinberg. <i>History of Education Quarterly</i> . 46 (4), (2006): 620-622.	Educational Studies	365	NA*
Buhr, Denise	<i>Fighting Words: A Dialogue on "Women in Combat"</i> . Playwriting, The Remnant Trust at IPFW; Indiana University-Purdue University Fort Wayne, Studio Theatre, Kettler Hall, 2009.	Helmke Library	331	299
Truesdell, Cheryl	Guide to Historical Research with Government Publications, 1789–1989. <i>Indiana Libraries</i> , 29 (1), (2010): 94-112.	Helmke Library	311	302
Truesdell, Cheryl	<i>Making Connections with Digital Projects</i> . Presented at Indiana Library Federation, Fort Wayne, IN, (2009).	Helmke Library	308	302
Mbuba, Jospeter	<i>Nature and Causes of Students' Unrest: Strikes, Riots and</i>	Public Policy	302	NA*

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M.	<i>Demonstrations in Kenyan Secondary Schools</i> . Annual Conference of the Nakuru District High School Head Teachers Association, Naivasha, Kenya. Jan. 1998.			
Wark, Linda J.	The Ethical Standards for Human Service Professionals; Past and Future. <i>Journal of Human Services</i> , 30(1), (2010): 18-22.	Human Services	296	NA*
Moss, Glenda, Lindsay Sloan, Jane Sandor	Peer Coaching and Action Research as Professional Development. <i>Scholarlypartnersedu</i> , 4(2), (Fall 2009). No page numbers here	Educational Studies	288	249
Batagiannis, Stella and Ingrid E. Laidroo	Scholar-Practitioner Dialogue: Implementing Student-Centered, Authentic Professional Learning Communities in Urban School. <i>scholarlypartnersedu</i> , 2 (2), (Fall 2007): 58-77.	Professional Studies	280	253
Baumann, Brian, Mark F. Masters, Jacob Millspaw, and Eric Ayars	<i>Helping Students Understand the Work-kinetic Energy Theorem</i> . Presented at American Association of Physics Teachers Winter Meeting, Jacksonville, FL. (2011)	Physics	261	205
O'Connell, Kathleen LeClear	Schizoaffective Disorder: A Case Study. <i>Journal of Psychosocial Nursing & Mental Health Services</i> .33 (10), (1995): 35-40.	Nursing	225	NA*
DeVenanzi, Augusto	Authoritarianism Versus Welfare Policy: The Two Faces of the Bolivarian Revolution. <i>Revista Venezolana de Analisis de Coyuntura</i> .16 (1), (2010): 53-76.	Sociology	224	205
Andrea Kavanaugh, Steven Sheetz, Francis Quek, and B. Joon Kim	Cell Phone Use with Social Ties during Crises: The Case of the Virginia Tech Tragedy. <i>International Journal of Information Systems for Crisis Responses and Management</i> .3 (2), (2011): 18-32.	Public Policy	224	169
Kalamaras, George	Bone Sutra. <i>Florida Review</i> , 32 (1), (2007): 145.	English and Linguistics	212	NA*

NA means that there is not full-text available to download

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Top 10 Hits and Downloads of Student Pages in Opus

Student Author	Title	Faculty Sponsor	Event	Hits	Down loads
Kurt Cantwell and Michael Holbrook	Autonomous Firefighting Robot Project: A Design and Analysis Report (2006)	Course Instructor : Paul Lin Faculty Advisor: Harold Broberg	Computer & Electrical Engineering Technology & Information Systems & Technology Senior Design Projects	380	347
Minick, Elise	Text Messaging, Text Speak, and Literacy Abilities Among College Students (2010)	Faculty Sponsor: Michelle Drouin Department/Program: Psychology	2010 IPFW Student Research and Creative Endeavor Symposium	304	278
Prendergast, Michael D.	Construction of a Digital Multimeter (1990)	Course Instructors: Roger Hack and Ronald Emery	Computer & Electrical Engineering Technology & Information Systems & Technology Senior Design Projects	274	257
Miller, James Richard, Jr.	Pick and Place Robot	Course Instructor: Donald McAleece Faculty Advisor: Edward Messal	Manufacturing & Construction Engineering Technology & Interior Design Senior Design Projects	215	209
Welch, Steven J.	Honey House Layout (1980)	Course Instructor: Donald McAleece Faculty Advisor: Jack Cook Other Sponsoring Organization: Adams County Honey Farms	Manufacturing & Construction Engineering Technology & Interior Design Senior Design Projects	203	147
Chambers, Rich	Roofing Shingle Elevator (RSE) (1988)	Course Instructor: Donald McAleece Technical Writing Instructor: Steven Hollander	Manufacturing & Construction Engineering Technology & Interior Design Senior Design Projects	195	180
Hoffman, Rick	Design and Construction of a Beat-Frequency Oscillator Metal detector (2002)	Course Instructor: Paul Lin	Computer & Electrical Engineering Technology & Information Systems & Technology Senior Design Projects	183	166
Ciolkus, David	A Microcontroller-Based Emergency Uninterrupted Power Inverter (2007)	Course Instructor: Paul Lin	Computer & Electrical Engineering Technology & Information Systems & Technology Senior Design Projects	166	138
Landgraff, Carly	"Sexting," Text Message	Faculty Sponsor:	2010 IPFW Student	161	117

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	Dependence, and Intimacy Among College Students	Michelle Drouin Department/Program: Psychology	Research and Creative Endeavor Symposium		
Cryer, Joshua D	Programmable CAN bus to Analog Signal Converter (2007)	Course Instructor: Paul Lin Faculty Advisor: Joe Bender Other Sponsoring Organization: International Truck and Engine Corp.	Computer & Electrical Engineering Technology & Information Systems & Technology Senior Design Projects	154	130

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