End Matter

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Call for Submissions:

The Journal of Applied Sciences and Arts (JASA) is a peer-reviewed journal to publish use-driven research and creative outcomes in the areas, related but not limited to:

- **Allied Health**: Dental Hygiene, Radiologic Sciences, Mortuary Sciences; Health Care Management; Nursing; Occupational Therapy; Health Informatics; Bioinformatics
- **Architecture**: Art and Design; Interior and Fashion Design; Digital Architecture
- **Automotive Technology**: Computerized Engine Controls; Advanced Emissions Controls; Autonomous Vehicles
- **Aviation Management and Flight**: airports and airlines, and manufacturers and general aviation companies; aviation business analytics
- **Aviation Technologies**: Flight systems and avionics; Digital flight and avionics
- **Information Systems and Applied Technologies**: Information Technology; Information Assurance and Cybersecurity; Web And Mobile Applications; Big Data Analytics; Informatics; Electronic Systems; Technical Resource Management
- **Digital Humanities**: Digital Storytelling; Digital communications; Social Networks; Digital Anthropology; Digital Archeology
- **Digital Education**: Digital Classes; MOOCs; Digital Learning

The Journal of Applied Sciences and Arts (JASA) seeks scholarly contributions to inform the practical application of the Sciences and Arts in solving complex societal problems in the areas listed above and more. We make the distinction between basic research and applied research by following the use-driven research paradigm advanced by Donald Stokes in “Pasteur's Quadrant: Basic Science and Technological Innovation:” a model of research done carefully, i.e., good science, but motivated by specific practical needs, hence referred to as need-driven or use-driven.

The Journal of Applied Sciences and Arts (JASA) supports a liberal arts-based professional education through experiential learning to empower graduates to be exemplary citizens and leaders in today and tomorrow’s global, digital wider world.

[http://research.asa.siu.edu/journal](http://research.asa.siu.edu/journal)

**Important Dates**

**SUMMER ISSUE**
Submission: January 15
Author Notification: March 15
Revision Due: April 15
Final Submission: May 31
Publication: June 30

**WINTER ISSUE**
Submission: July 15
Author Notification: Sept. 15
Revision Due: October 15
Final Submission: November 15
Publication: December 30

**Submissions**

All papers are subject to blind review. Please remove any identifying information from the paper prior to submission.

All submissions must be original work that has not been published or is currently under consideration for publication by another journal.

Email submission to jasa@siu.edu

**Editor-in-Chief**

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Welcome to the 2015 Applied Sciences and Arts Symposium Research Abstract (ASA) and Session Proposal Submission Site!

This interdisciplinary Applied Sciences and Arts (ASA) symposium is a collaborative effort in conjunction with Southern Illinois University Carbondale (SIUC) College of Applied Sciences and Arts, SIUC Center for Undergraduate Research and Creative Activities (CURCA), and the Journal of Applied Sciences and Arts (JASA), which supports a liberal arts-based professional education through experiential learning to empower graduates to be exemplary citizens and leaders in today and tomorrow’s global society.

The ASA symposium seeks scholarly contributions to inform the practical application of the Sciences and Arts in solving complex societal problems in the areas listed below and more. We make the distinction between basic research and applied research by following the use-driven research paradigm advanced by Donald Stokes in “Pasteur’s Quadrant: Basic Science and Technological Innovation:” a model of research done carefully, i.e., good science, but motivated by specific practical needs, hence referred to as need-driven or use-driven.

We invite participants and presenters to share their research, practices, and innovations that foster interdisciplinary and multidimensional applications of knowledge and integrative sharing through common themes, mediums, and discourses. We encourage submissions from professional practitioners, industry leaders, educators, researchers, designers, and graduate students. We hope you will join us at Southern Illinois University, Carbondale, Illinois, USA to experience various multi-disciplinary interactions associated within the Applied Sciences and Arts.

The Applied Sciences and Arts symposium coordinators invite application-driven research and creative outcomes in the subject areas, related but not limited to:

**Allied Health:** Dental Hygiene, Radiologic Sciences, Mortuary Sciences; Health Care Management; Nursing; Occupational Therapy; Health Informatics; Bioinformatics

**Architecture:** Art and Design; Interior and Fashion Design; Digital Architecture; Fabrication and Production, Urban Design, Applied Building Technologies

**Automotive Technology:** Computerized Engine Controls; Advanced Emissions Controls; Autonomous Vehicles, Production and Parts Industries, Unmanned Aircraft, Automation

**Aviation Management and Flight:** Airports and Airlines, Manufacturers, General Aviation Companies; Aviation Business Analytics; Safety and security; Airport Management and Policy

**Aviation Technologies:** Flight Systems, Digital flight and Avionics

**Information Systems and Applied Technologies:** Information Technology; Information Assurance and Cybersecurity; Web And Mobile Applications; Big Data Analytics; Informatics; Electronic Systems; Technical Resource Management; Infrastructure

**Digital Humanities:** Digital Storytelling; Digital communications; Social Networks; Digital Anthropology; Digital Archeology

**Digital Education:** Digital Classes; MOOCs; Digital Learning

For more information: http://research.asa.siu.edu/symposium/index.php
ASA Symposiums: Past

2014

Applied Sciences and Arts
Multidisciplinary Research

Saturday, November 22, 2014
In the Student Center’s
Kaskaskia and Missouri Rooms

Tentative Agenda (subject to change)
9:00am Registration and Refreshments
9:30am Welcome
ASA Dean Andy Wang, Provost Susan Ford, VCR Jim Garvey, OSFA Director Wayne Glass
9:45am Panel 1:
Multidisciplinary Research and Teaching
CASA Chairs & Directors (Moderator: Dean Andy Wang)
- Scott Collins, Allied health
- Walter Wendler, Architecture
- Michael Behmann, Automotive Technology
- Jose Ruiz, Aviation Management and Flight
- Michael Burgener, Aviation Technologies
- Sam Chung, Information Systems & Applied Technologies
10:45am Break
10:55am Session 1 (Chair: Jennifer Sherry)
- 3 Presentations
Session 2 (Chair: Karen)
- 3 Presentations
12:00pm Lunch + Poster Session
1:30pm Keynote Speaker
Dr. Rodrigo Carramiñana, Director of CURCA
2:30pm Break
2:40pm Session 3 (Chair: Tom Shaw)
- 3 Presentations
Session 4 (Chair: Craig Anz)
- 3 Presentations
3:50pm Break
4:00pm Session 5 (Chair: TBA)
- 3 Presentations
Panel 2: Promotion & Tenure in ASA (Moderator: Craig Anz with Invited Associate Professors from different CASA units)
4:45pm Closing Remarks (Dean Andy Wang)

Student Poster Award - Sponsored by Dr. Rodrigo Carramiñana, Director of CURCA - 1st Place ($100) and two runners-up ($50 each)

For more info about this event, go to the CASA symposium website (research.asa.siu.edu/symposium)

The symposium is open to faculty, professionals, and students from any discipline or university. The various sessions feature presenters, posters, and panel discussions from multiple disciplines including, but not limited to the schools of:
- Allied Health
- Architecture
- Transportation
- Information Systems & Applied Technologies

For more info about the College of Applied Sciences and Arts research activities go to:
CASA Research website (research.asa.siu.edu)

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The symposium is open to all professionals and all faculty and students from any university. The sessions will feature presentations, posters, and panel discussions exploring the following disciplines:

- Allied Health
- Architecture
- Automotive Technology
- Aviation Management and Flight
- Aviation Technologies
- Information Systems & Applied Technologies

Paper submission deadline: Monday, August 17, 2015
Acceptance notification date: Monday, September 21, 2015

For more information about the symposium and other research activities please visit the CASA Research website at:

research.asa.siu.edu/symposium

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Daniel Lustman, SIU Freshman
Aviation Flight, CCHS ‘12

Josh Lindberg, Investigator with the National Transportation Safety Board (NTSB) SIU Aviation Management 2012, CCHS ‘07

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Please contact the jASA coordinators for information regarding sponsorship and advertising.
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1 Debating the Merits of Design/Build - Assessing Pedagogical Strategies in an Architectural Technology Course

2 Transportation Conditions and Solutions in Carbondale, Illinois

3 Protecting Educational Laboratory Equipment from Operator Error Using a Qualitative Research Approach

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