Papers have been blind reviewed by three or more external referees (except as noted in the paper).
Informing Science Institute Publications

Our Journals

INFORMING SCIENCE: THE INTERNATIONAL JOURNAL OF AN EMERGING TRANSDISCIPLINE (INFORMINGSCIJ)

JOURNAL OF INFORMATION TECHNOLOGY EDUCATION: INNOVATIONS IN PRACTICE (JITE:IIP)

JOURNAL OF INFORMATION TECHNOLOGY EDUCATION: RESEARCH (JITE: RESEARCH)

INTERNATIONAL JOURNAL OF DOCTORAL STUDIES (IJDS)

INTERDISCIPLINARY JOURNAL OF E-SKILLS AND LIFELONG LEARNING (IJELL)

INTERDISCIPLINARY JOURNAL OF INFORMATION, KNOWLEDGE, AND MANAGEMENT (IJIKM)

JOURNAL FOR THE STUDY OF POSTSECONDARY AND TERTIARY EDUCATION (JSPTE)

ISSUES IN INFORMING SCIENCE AND INFORMATION TECHNOLOGY (IISIT)

PROCEEDINGS OF THE INSITE CONFERENCE (INSITE)

Our Books

ISI Members may order books and journals at a discount from ISPress.org

A Few of Our Books
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Welcome

InSITE 2020

Dear Colleagues and Delegates,

Welcome to the 23rd Annual conference of Informing Science + IT Education.

Thank you all for submitting your papers and attending the presentations. While this is our 23rd annual event, it is our first in a virtual space. We hope that, despite the boundaries of time and space, you will find this conference useful and informative. We further hope that future conferences will return to our normal mode of operation.

The theme of this conference was Digitally Integrated Scholarship. This may have been prophetic given that now, not only is this conference solely reliant on digital technology to operate, but our lives also, no matter who we are or where we are, are now far more reliant on digital technology for work and for pleasure than they were just three months ago. The world is now in a different place, and Digitally Integrated Scholarship is now the staple for most of our working lives.

I look forward to meeting many of you online, and again, once more in person at our next annual conference.

Michael Jones
Conference Chair
Michael Jones
Associate Professor, Faculty of Business
University of Wollongong
Wollongong, NSW, Australia

T. Grandon Gill
President, Informing Science Institute and
Professor, University of South Florida
Tampa, FL, USA
Prior InSITE Conference Chairs

2001  Andrzej Zaliwski (Poland)
2002  Cormac J. Sreenan (Ireland)
2003  Kalle Kangas (Finland)
2004  Russel Stonier, Kevin Tickle, Wal Taylor, & Stewart Marshall (Australia)
2005  Mason Gerety & Tom Knights (USA)
2006  Carole Roberts & Janice Whatley (UK)
2007  Mojca Indihar Štemberger & Maks Tajnikar (Slovenia)
2008  Dimitar Christozov & Stoyan Denchev (Bulgaria)
2009  Alex Koohang (USA)
2010  Antonio Cartelli (Italy)
2011  Božo Nikolić & Ljiljana Ruzic-Dimitrijevic (Serbia)
2012  Raafat Saade & Fassil Nebebe (Canada)
2013  Luis Borges Gouveia (Portgual)
2014  Michael Jones (Australia)
2015  T. Grandon Gill & Manish Agrawal (USA)
2016  Rimvydas Skyrius (Lithuania)
2017  Mathews Nkhoma, Beverley Webster, & Susan Thomas (Vietnam)
2018  Seta Boghikian-Whitby & Yehia Mortagy (USA)
2019  Dan Bouhnik & Yahel Giat (Israel)
**Schedule Overview**
*(Times shown are UTC)*

**Tuesday, July 7, 2020**

11:00-11:45 ................. **Opening Remarks**
........................... T. Grandon Gill, President, Informing Science Institute
........................... Michael Jones, Conference Organizer

12:00-13:45 ............... Paper Presentations

14:00-15:45 ............... Paper Presentations

16:00-17:45 .. **Keynote: What is Informing Science?**
........................... T. Grandon Gill, President, Informing Science Institute

18:00-19:45 .. **Workshop: Writing Research Papers**
........................... T. Grandon Gill

**Wednesday, July 8, 2020**

8:00-9:45 ................. Paper Presentations

10:00-11:45 .............. **Invited Presentations**
........................... J. Jelsey and A. Zaliwski

FREEOS: Application of Direct Democracy Applied to Blockchain Based Economics

Changing Business Education Paradigm Toward Sustainable Solutions Based on Maori Business Practice

12:00-13:45 ............... Paper Presentations

14:00-15:45 .............. **Workshop: Online Badges**
........................... Terry McGovern

16:00-17:45 ............... Paper Presentations

18:00-19:45 ............... Paper Presentations

20:00-20:30 ............... **Closing Remarks**
**About the Informing Science Institute**

*Informing science* is the transdisciplinary study of systems that employ information to impact clientele. The mission of the *Informing Science Institute* is as follows:

- Support transdisciplinary research that furthers our understanding of the construction and evolution of systems that inform, providing free and open access to such research,
- Foster communication among disciplines that study informing and education, and
- Nurture a supportive global community of informing science researchers through mentorship and through providing opportunities and venues for collaboration.

The *Informing Science Institute’s (ISI)* primary reason for existence is to promote the advancement of the informing science transdiscipline across the global research community. Three principles guide the ISI’s research and publication agenda:

- **Open access**: All ISI publications, including conference proceedings, journals, repository contents and books, shall be accessible in their electronic form at no cost to readers.
- **Global outreach**: The ISI’s research agenda shall always be framed with the global community in mind, and shall not be limited by the perceptions and priorities of a particular nation.
- **Mentorship**: Helping researchers develop and refine their craft is as central to ISI’s philosophy as providing outlets for the efforts of established researchers. This mentorship mission applies to both the conferences run by ISI and to the review and publication policies of its journals.

Join us in making academic better and more inclusive. Put your skills and abilities to work to help your colleagues and to build a better academy.
List of Journals Published by Informing Science

Informing Science: The International Journal of an Emerging Transdiscipline ..................................................... http://inform.nu

Journal of Information Technology Education:
  Research ............................................................... http://jiteresearch.org
  Innovations in Practice ............................................ http://jitellP.org

Interdisciplinary Journal of Information, Knowledge, and Management .................................................................................. http://ijikm.org

Interdisciplinary Journal of e-Skills and Lifelong Learning http://ijell.org


Issues in Informing Science and Information Technology http://iisit.org

Journal for the Study of Postsecondary and Tertiary Education .................................................................................. http://jspte.org

Collaborative Journals

Muma Case Review ............................................. http://MumaCaseReview.org


International Journal of Community Development and Management Studies ................................................................. http://IJCDMS.org
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our governing body

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Fay Sudweeks, Jorge Pérez, Elizabeth (Betty) Boyd, Eli Cohen

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honored for their achievements

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T. Grandon Gill
Nicole A. Buzzetto-More
Zbigniew Gackowski
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Mathews Nkhoma (South East Asia)
Emmanuel C. OGU (Africa)
Ulrich Schmitt (South Africa)
Ewa Ziembas (Europe)
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Proceedings Papers - Overview

Copies of individual papers can be downloaded from the 2020 Informing Science & Information Technology Education Conference Proceedings at http://www.informingscience.org/Conferences/InSITE2020/Proceedings

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Review Process

Unless otherwise noted in the paper, all papers were reviewed blindly (that is, with author and affiliation information removed) by a panel of three or more external reviewers. The reviewers did not know the identity of the authors nor the authors the identity of the reviewers. Reviewers were matched to papers using a formula to minimize the cognitive distance between reviewers’ stated expertise and interest and the topics covered in the paper.

Reviewers were instructed to mentor the authors by providing feedback on how to improve the submission. They were further required to recommend whether or not the paper should be accepted using a nine-point scale (from “reject” to “must accept”).

Selected proceedings papers were revised and published in the 2020 volume of one of the Informing Science Institute journals.
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