Editor's Notes...

End of Fall Greetings!

As we close out 2021, I would like to extend a sincere thank you to all of our SIGHealth officers who made all the functions of our SIG work this past year. As a result of all of their efforts in 2020, we were named an AIS Outstanding SIG again in 2021.

We have several SIGHealth feature articles highlighted in our 2021 newsletter. Our first article is a message from the President, the next is a listing of the criteria designating an outstanding SIG, followed by a recap of our August election results and Business Meeting at AMCIS 2021. Finally, we have a current listing of the SIGHealth officer information. The other feature articles in this issue are the winners of the 2021 Best Paper Awards Published in 2020, the SIGHealth research submissions from the virtual AMCIS 2021 Conference, and the SIGHealth minitracks scheduled for the upcoming AMCIS 2022 in Minneapolis, Minnesota, USA.

On a side note, our upcoming AMICS 2022 provides an opportunity to highlight your research. I encourage all SIGHealth members to visit the AMCIS 2022 conference Website to help make AMCIS 2022 an outstanding face-to-face conference. The SIGHealth Board encourages all our community to participate as funding and schedules allow.

In closing, I would like to continue the call to the SIGHealth membership for help in identifying SIGHealth resources. I hope you will share your practitioner and research experiences with other SIGHealth members through contributions to your newsletter. Please use our Gmail account (sighealthnewsletter@gmail.com) to expedite your submissions. Content received will appear in the up-coming issue and timely material can be added to the SIGHealth Website or bundled into a special newsletter issue. Suggested content categories are:

- News about SIGHealth members (up to 300 words)
- We welcome SIGHealth related essays (about 900 words) from industry professionals.
- News and approaches to teaching e-health (up to 1800 words)
- "How to's" on research methods, getting papers published, reviewing papers, etc.
- Any other announcements (up to 300 words for each item).

In the meantime, please remember to re-designate your membership in SIGHealth when you renew your AIS membership. This newsletter issue also highlights upcoming networking and publishing opportunities for regional and international workshops and conferences, with more details posted via http://www.aissighealth.com.

Warm regards,

Jim Ryan, Ph.D.
sighealthnewsletter@gmail.com

Feature Articles…

Outstanding SIG and Election Results…   Jim Ryan

We had another productive year with SIGHealth receiving the AIS Outstanding Chapter Award for the seventh year in a row (e.g., 2014 to 2020). Outstanding Communities are recognized each year online, through AIS electronic publications, and at AIS conferences. The following criteria is used to identify the Outstanding Communities for 2021:

Required Criteria (Required of all AIS SIGs, Chapters, and Colleges)
1. Host one activity, meeting, or event open to all AIS members.
2. Conduct one Annual General Meeting (AGM).
3. Conduct at least one Executive Committee Meeting.
4. Submit the Annual Report on or before March 7, 2022
5. All officer positions listed in the group bylaws must be filled on December 31, 2021 (Please see community bylaws for the list of officer positions. They often include the roles of: President, President-Elect, Secretary, and Treasurer)
Additional requirements for Chapters: Submit year-end financial statement and current roster. (AIS collects dues and manages money for SIGs and Colleges, it is not necessary for those groups to submit a year-end financial statement)

Additional Criteria To earn recognition as an Outstanding Community, communities must meet all required criteria above and earn 100 points from the categories below.	**Value**	**Category Maximum**
A. Revitalized the Community with a change in Executive Leadership (Officer terms may be no more than three years. AIS bylaws, Section 8:4, AIS Community bylaw template Article V, Section 1) Points will be awarded for each appropriate officer turnover list in the required information section	5 points for each position that has a new officer in place after three years	20 points
B. Organized and ran a track or workshop at an AIS or AIS affiliated conference or hosted a webinar, seminar, or other conference. Do not list the Annual General Meeting here.	15 points per event	45 points
C. Sent representative to Community Leaders Breakfast at AMCIS and/or ICIS	5 points per event	10 points
D. Represented at AIS Member Connect event at AMCIS and/or ICIS	5 points per event	10 points
E. Published one or more academic journal issues or special collections in the eLibrary. (Publication date should be in the calendar year of the Annual Report)	15 points per event	45 points
F. Developed community award and recognition programs present annually to members. Suggested types of awards are best track papers, volunteer or the year, and best reviewer.	5 points per award or recognition granted	25 points
G. Developed scholarships or other programs to support member participation in AIS or AIS affiliated conferences.	5 points per scholarship granted	15 points
H. Communicated with all members and other interested individuals to promote the activities of community. Communications can occur in any medium determined to be effective for your group; examples include newsletters, social media posts, or listserv announcements. They can all be in one medium.	5 points per communication reported	25 points
I. Implemented recruitment campaign to encourage membership in your group.	25 points	25 points
J. Updated the Community website within the past calendar year	10 points	10 points

Bonus Questions (5 points each)

- What type of Diversity and Inclusion activities or considerations has your SIG incorporated during 2020? In your response, please include what aspects of diversity or inclusion are important to your community.
- Please share any initiatives your SIG has undertaken or is in the process of undertaking to address the AIS Grand Vision Challenge.
- What challenges has your SIG faced relative to COVID-19?
- How did you engage your members during this time of COVID-19?

Thank you all for being a part of the SIGHealth community and best wishes for a fantastic 2022.

The following are the contact information for the current SIGHealth elected officers. Congratulations to Haijing Hao on her re-election as Secretary.

Immediate Past-President	Monica Chiarini Tremblay	*monica.tremblay@mason.wm.edu*
President	Jim Ryan	*jryan@wpi.edu*
President-Elect	Renée Pratt	*rpratt@auburn.edu*
Secretary	Haijing Hao	*haohaijing@gmail.com*
Treasurer	Ann Fruhling	*afruhling@unomaha.edu*

Best Paper Awards 2021…   Jim Ryan

SIG-Health again sponsored a Best Published Paper Award, awarding a Junior and a Senior Researcher category recipient as well as a Meritorious Mention. Junior Researchers are first authors who are students at the time the paper was published, while all other first authors will be considered to be a Senior Researcher. All papers considered were published during 2020, where recipients are current SIGHealth members. The judging criteria on innovation, impact, implementation, and appeal was established in 2014.

Review Criteria:

Innovation:	*Impact:*	*Implementation:*	*Appeal and Readability:*
Are new strategies and/or approaches described?	*Does the paper address a real problem?*	*Is the innovation operational?*	*Is there broad interest in the problem across industries and cultures?*
Do they improve current practices?	*Is the problem solved or diminished?*	*What is the breadth of the implementation?*	*Will the paper appeal to SIG-Health membership?*
Do they enhance knowledge?	*Is a significant part of an organization, population or the world impacted?*	*Is the approach/knowledge applicable to others?*	*Is the paper brief, clear, and to the point?*

Many thanks to the review committee who scored the submissions this year from SIGHealth members. Thank you to Mike Dohan for being chair of the review committee.

The 2021 senior research award recipients were:

Best Published Paper – David G. Schwartz, Janna Ataiants, Alexis Roth, Gabriela Marcu, Inbal Yahav, Benjamin Cocchiaro, Michael Khalemsky, & Stephen Lankenau for their 2020 published paper "Layperson reversal of opioid overdose supported by smartphone alert: A prospective observational cohort study," EClinicalMedicine, 25, 100474.

Senior Meritorious Mentions - Pankush Kalgotra1, Ramesh Sharda, and Julie M. Croff for their 2020 published paper "Examining multimorbidity differences across racial groups: a network analysis of electronic medical records," 2020 Nature's Scientific Reports, 10, 13538.

Ofir Ben-Assuli and Rema Padman for their 2020 published paper "Trajectories of Repeated Readmissions of Chronic Disease Patients: Risk Stratification, Profiling, and Prediction," MIS Quarterly, 44(1), 1510.

The 2020 junior research award recipients were:

Best Published Paper – Sarah Alismail and Lorne Olfman for their 2020 published paper "A Tailored Motivational Message Library for a Mobile Health Sleep Behavior Change Support System to Promote Continuous Positive Airway Pressure Use Among Patients with Obstructive Sleep Apnea: Development, Content Validation, and Testing," JMIR mHealth & uHealth, 2020, 24(3), 41.

Junior Meritorious Mention – Kaushik Ghosh, Michael S. Dohan, Eileen Curl, Mary Goodwin, Patricia Morrell, &Paul Guidroz for their 2020 published paper "Information tools for care coordination in patient handover: Is an electronic medical record enough to support nurses?," Healthcare Management Review Journal, 2020, 0(0), 1-9.
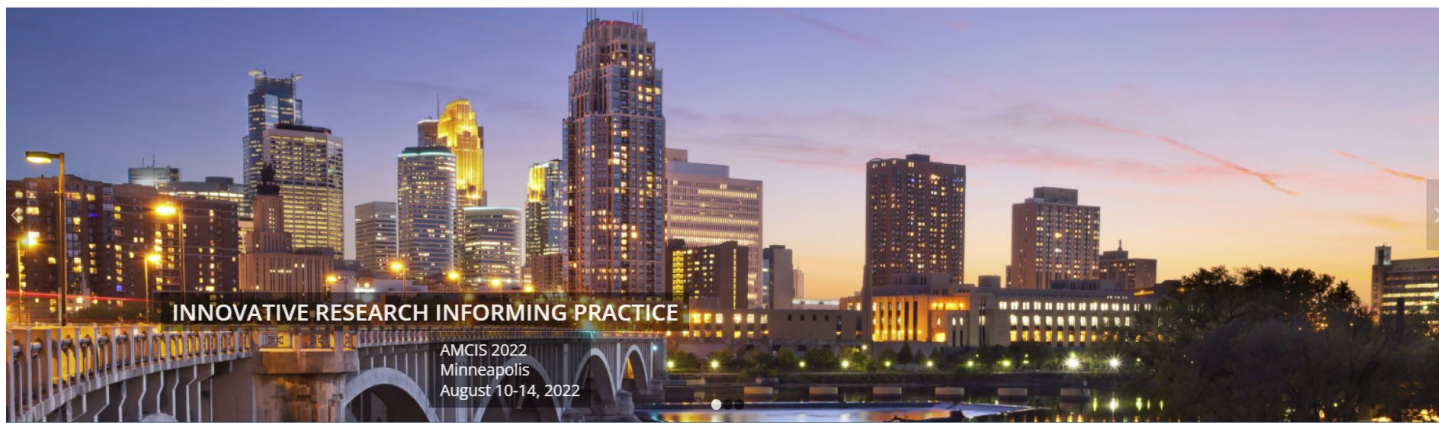
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AMCIS 2021 SIGHealth Minitracks…   Rich Klein

In the virtual paper sessions, we had 31 completed research presentations in the Healthcare Informatics & Health Information Technology Track (SIGHealth) for the virtual AMCIS in Montreal. Many thanks to all the authors, minitrack chairs, session chairs, and paper reviewers for their time, efforts, and contributions.

AMCIS 2022 SIGHealth Minitracks…   Rich Klein

INNOVATIVE RESEARCH INFORMING PRACTICE

AMCIS 2022
Minneapolis
August 10-14, 2022

We hope you will make plans to attend AMCIS 2022 face-to-face. AMCIS 2022 will acknowledge that developments in information processing and communication technologies have occasioned broad changes to organizations as well as to research and the examination and studies of phenomena in organizations. Innovative research informing practice is the AMCIS 2022 conference theme and it reflects the desire to strengthen and build existing research streams, while also taking on theoretical and methodological challenges and opportunities. SIGHealth is sponsoring the Healthcare Informatics & Health Information Technology Track, composed of eight mini-tracks. The following is a listing of the track and minitrack descriptions, along with the respective chairs.

Medical Apps and Mobile Health (mHealth) Solutions for Health and Wellness Management

Healthcare systems globally are contending with the monumental challenge of providing quality care to an aging populace as well as monitoring and managing effectively and efficiently the exponentially increasing chronic disease such as diabetes, obesity and cancer. This is made more difficult in an environment of increasing healthcare costs with limited human resources. To add to this since 2020 the COVID-19 pandemic hit and now all countries must juggle return to a normal post COIVD environment as well. Mobile Health (mHealth), and Medical Apps open the door to the possibility of pervasive anytime, anywhere, for anyone delivery of healthcare services. Moreover, they facilitate the attainment of a healthcare value proposition of superior value, access and quality. The objective of this mini-track is to identify appropriate, efficient, high quality, high value and sustainable solutions to effect superior wellness management and healthcare delivery by soliciting work-in-progress and completed research papers .

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Digital Resources for the Ageing Society

All developed economies face the challenge of aging societies. Not only is the percentage of the elderly within the population growing, they are also getting older than generations before. This trend puts tremendous pressure on social and healthcare systems around the world. Digital resources (wearables, apps, websites, virtual discussion groups, social media etc.) provide a perspective to enable seniors to life longer in self-contained circumstances then today. The minitrack addresses these challenges and opportunities by providing a forum to share high quality research on all aspects of digital resources which benefit the aging society. We welcome empirical and conceptual work as well as design science papers. All research which adds to our understanding how digital resources are accepted and used by seniors and what benefit they provide is in scope of the minitrack.

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Healthcare Analytics

With the accumulation of data in the vast deployment of healthcare information systems, it is expected that Big Data and analytics can provide the basis on which better decisions can be made to move towards a healthcare system that addresses the combined objectives of lower costs, safe care, effective clinical outcomes, and high patient satisfaction. The need to build analytics competencies among practitioners and researchers is apparent. Given the importance and the challenges of Healthcare Analytics, this minitrack provides a platform for original studies on this subject in topics such as:

• Healthcare Analytics design and adoption principles

• Enablers, inhibitors, and best practices of Healthcare Analytics implementations

• Methods and software tools in Healthcare Analytics

• Strategies and experience of early adopters of Healthcare Analytics

• Organizational change management with Healthcare Analytics implementation

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Role of Technology in Improving Healthcare Delivery Processes (SIGHeath)

Healthcare organizations redesign processes and implement various forms of information technology (IT) to increase productivity, lower costs, and improve quality of care. Unfortunately, large health IT investments often do not achieve the expected levels of improvement. Recognizing that significant improvements require more than just deploying IT, this minitrack seeks papers that investigate the role of information systems (IS) and IT in improving healthcare delivery as well as opportunities and challenges for IT-enabled change or digital transformation. This minitrack welcomes papers on challenges and benefits from improved healthcare delivery over a variety of healthcare settings (e.g., hospitals, clinics, or home). It is also open to multiple research methods including qualitative, quantitative, and design science approaches. We are especially interested in interdisciplinary approaches, combining for example IT, process design, as well as managerial and policy initiatives. Because the national context affects health care delivery choices, we are also interested in multi-national studies.

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Clinical Decision Support Systems & COVID19

Over the past ten years, health practitioners have made increasing use of CDSS to reinforce many short and long-term health-based decision making and improve patient care. However, those who wish to benefit from a CDSS must consider what is involved in developing and implementing the system in their organisations. Although much has been written about these phenomena in various DSS areas, a CDSS still requires planning, development and implementation based on an understanding of what must be done to avoid failure. This understanding will help prevent the array of problems upon development and implementation. Moreover, given the nature of CDSS

development and implementation, results obtained from previous studies are likely to provide at best a partial picture of the issues surrounding CDSS development and implementation in practice. The requirement to look upon this CDSS development and implementation is becoming crucial as the world deals with COVID19, in which health decisions would need to be made quickly.

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Tamrin Amboala, ramdzan_trn@yahoo.com

Virtual Communities for Healthcare

Virtual communities provide information, and different types of support for patients, and physicians. Other entities who benefit from conversations in this forum include big pharma, equipment manufacturers, and policy workers. This minitrack provides a forum for all researchers who work in the healthcare virtual communities space. Papers relating to all different types of social networking platforms are welcome including papers that focus on social-networking analytics relating to healthcare.

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Wencui Han, wenhan@illinois.edu

Pharmaceutical Enterprise Systems and Supply Chain Management Systems

Pharmaceutical industry processes have some specific characteristics, and the Pharmaceutical supply chain is more complex rather than many industries. Product characterization, regulatory requirements, cost considerations, quality assurance and compliance, the different margins of patent products and generics, and special storage conditions of biopharmaceuticals are some of the issues that influence organizational processes in the pharmaceutical field. In addition to mentioned items, some other issues such as new delivery methods including direct to the patient (DTP) for some special drugs affect managing the supply chain. Using Information Systems can have a significant role in handling these issues by managing and integrating data and information among the organization and its value chain. Therefore, designing and implementation enterprise systems and supply chain management systems are very important in this era.

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Digital Transformation in Healthcare

The concept of digital transformation emphasizes the use of technology to alter the firm's value proposition. This in turn necessitates various changes in the organization, including but not limited to business processes, strategies, approaches to governance and others. In the context of healthcare, digital transformation can entail novel approaches to delivering care driven by consumerism as well as the need to improve patient outcomes, including those related to patient-centered care or patient engagement. This minitrack aims to develop a comprehensive view of how patient outcomes and healthcare experiences can be improved through digital transformation. Potential topics for this minitrack include those related to patient experience, care providers, payers, and other key entities in the healthcare value chain; strategic, managerial, and governance-related issues associated with digital transformation; cultural transformations impacted by healthcare IT that influence patient outcomes; and others. This minitrack will consider a variety of empirical or conceptual submissions.

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Joseph Tan, tanjosep@mcmaster.ca

Please consider submitting your research to one of the SIGHealth minitracks. The deadline for paper submissions is March 01, 2022, at 5:00PM EST. Please note the time cut-off. More information and submission details are available on the AMCIS 2022 Webpage via: https://amcis2022.aisconferences.org/submissions/

Quick Response Code (QR code) for SIGHealth…   Mike Dohan

QR code (abbreviated from Quick Response Code) is a type of matrix barcode that has gained commonality with the advent of smart phones. QR's provide quick and effortless access to websites and thanks to Mike, here is SIGHealth's very own QR.

Networking Opportunities…

Spread the word: SIGHealth is social!

2021 Renewal of AIS Membership and Re-designating SIGHealth Interest

Please be aware that when you renew your AIS membership, you must also re-designate your interest in SIGHealth. Currently, membership in SIGHealth is $10 USD per year. Not sure if you have paid your SIGHealth membership? Check your membership via the AIS Website.

January 2022… 55th Hawaiian International Conference on System Sciences (HICSS)

Dates: January 4 – 7, 2022

Location: Virtual, Maui, Hawaii, USA

Registration: Registration via Webpage...

More Details…

June 2022… 25th European Conference on Informations Systems (ECIS)

Dates: June 18 – 24, 2022

Location: Timisoara

Submissions: November 17, 2021

Registration: Early registration begins April, 2022.

More Details…

June 2022… 25th Pacific-Asian Conference on Informations Systems (PACIS)

Dates: July 5-9, 2022

Location: Taipai-Sydney

Submissions: By March 15, 2022

Registration: Early registration begins in March 2022

More Details…

August 2022… 28th Americas Conference on Informations Systems (AMCIS)

Dates: August 9 – 13, 2022

Location: Minneapolis, Minnesota, USA

Submissions: March 1, 2022 5:00PM EST

Registration: Early registration begins in May 2022.

More Details…

December 2022… 44th International Conference on Informations Systems (ICIS)

Dates: December 9 – 14, 2022

Location: Copenhagen, Denmark

Submissions: May, 2022

Registration: Early registration begins in July 2022.

More Details…

Publication Opportunities…

CFP…Health Systems Journal

Palgrave Macmillan and the OR Society have launched Health Systems, a new interdisciplinary journal. Health Systems will provide insights and perspectives to advance health systems knowledge in research and practice.

More Details…

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