



## Editor's Notes...

December Greetings!

As we close out 2020, I would like to extend a sincere thank you to our out-going SIGHealth president, Monica Chiarini Tremblay for her dedicated service to our community over the past two years. Many, many thanks to Monica for leading our SIG and to our success over the two past years, which includes being named an AIS Outstanding SIG under her leadership.

We have several SIGHealth feature articles highlighted in our 2020 newsletter. Our first article is a listing of the criteria designating an outstanding SIG, followed by a recap of our August election results and a current listing of the SIGHealth officer information. The other feature articles in this issue are the winners of the 2020 Best Paper Awards Published in 2019, the SIGHealth research submissions from the virtual AMCIS 2020 Conference, and the SIGHealth minitracks scheduled for the upcoming virtual AMCIS 2021 in Montréal, Canada.

On a side note, our upcoming AMICS 2021 provides an opportunity to highlight your research. I encourage all SIGHealth members to visit the AMCIS 2021 conference Website to help make AMCIS 2021 an outstanding 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](mailto: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.

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Outstanding SIG and Election Results...

Monica Chiarini Tremblay

We had another productive year with SIGHealth receiving the AIS Outstanding Chapter Award for the sixth year in a row (e.g., 2014 to 2019). 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 2020:

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 1, 2021
5. All officer positions listed in the group bylaws must be filled on December 31, 2020. (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	Value	Category Maximum
To earn recognition as an Outstanding Community, communities must meet all required criteria above and earn 100 points from the categories below.		
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 of 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
<b>Bonus Questions (5 points each)</b>		
<ul style="list-style-type: none"> <li>• 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.</li> <li>• Please share any initiatives your SIG has undertaken or is in the process of undertaking to address the AIS Grand Vision Challenge.</li> <li>• What challenges has your SIG faced relative to COVID-19?</li> <li>• How did you engage your members during this time of COVID-19?</li> </ul>		

Thank you all for being a part of the SIGHealth community and best wishes for a fantastic 2021.



The following are the contact information for the current SIGHealth elected officers. Congratulations to Ann Fruhling on her re-election as Treasurer and to Renée Pratt on her election to President-Elect.

<b>Immediate Past-President</b>	Monica Chiarini Tremblay	<i>monica.tremblay@mason.wm.edu</i>
<b>President</b>	Jim Ryan	<i>jryan@wpi.edu</i>
<b>President-Elect</b>	Renée Pratt	<i>renee.pratt@unga.edu</i>
<b>Secretary</b>	Haijing Hao	<i>haohaijing@gmail.com</i>
<b>Treasurer</b>	Ann Fruhling	<i>afruhling@unomaha.edu</i>

**Best Paper Awards 2020...**

**Monica Chiarini Tremblay & Mike Dohan**

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 2019, where recipients are current SIGHealth members. The judging criteria on innovation, impact, implementation, and appeal was established in 2014.

**Review Criteria:**

**Innovation:**

*Are new strategies and/or approaches described?*

*Do they improve current practices?*

*Do they enhance knowledge?*

**Impact:**

*Does the paper address a real problem?*

*Is the problem solved or diminished?*

*Is a significant part of an organization, population or the world impacted?*

**Implementation:**

*Is the innovation operational?*

*What is the breadth of the implementation?*

*Is the approach/knowledge applicable to others?*

**Appeal and Readability:**

*Is there broad interest in the problem across industries and cultures?*

*Will the paper appeal to SIG-Health membership?*

*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 2020 senior research award recipients were:***

**Best Published Paper** – Yang Gu and Gondy Leroy, “Mechanisms for Automatic Training Data Labeling for Machine Learning,” 2019 Proceedings of the International Conference on Information Systems, 10.

**Meritorious Mention** - Maximilian Haug and Heiko Gewalt, “Why do I rate? - Shedding Light on the Factors Influencing the Participation on Physician Rating Websites,” 2019 Proceedings of the Hawaii International Conference on System Sciences, 10.



### *The 2020 junior research award recipients were:*

**Best Published Paper** – Roxana Ologeanu-Taddei, “Generative Mechanisms of Projects Related to Enterprise Systems to Enterprise Systems Use in Bureaucracies: An Embedded Case Study in a French Hospital,” *Systèmes d'information & Management*, 2019, 24(3), 41.

**Meritorious Mention** – Partha Mukherjee, Gondy Leroy, and David Kauchak, “Using Lexical Chains to Identify Text Difficulty: A Corpus Statistics and Classification Study,” *IEEE Journal of Biomedical Health Information*, 2019, 23(5), 2164-2173.

### AMCIS 2020 SIGHealth Minitracks...

Rich Klein

In the paper sessions, we had 18 completed research presentations in the Healthcare Informatics & Health Information Technology Track (SIGHealth) for the virtual AMCIS in Utah. SIGHealth had 15 emergent research (ERF) presentations that were exclusively healthcare. Overall, we had 33 paper presentations. Many thanks to all the authors, minitrack chairs, session chairs, and paper reviewers for their time, efforts, and contributions.

### AMCIS 2021 SIGHealth Minitracks...

Rich Klein



We hope you will make plans to attend AMCIS 2021 virtually. A vision for the future is the AMCIS 2020 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 six mini-tracks. Below is a listing of the track and minitrack descriptions, along with the respective chairs.

### **Healthcare Informatics & Health Information Technology Track Description**

The Healthcare Informatics and Health Information Technology (HIT) track seeks to promote research into groundbreaking technology innovations and applications within the healthcare sector, while incorporating interdisciplinary theoretical perspectives and methodological approaches beyond the traditional information systems (IS) and health information technology (HIT) disciplines. Information systems and technology (IT) innovations offer significant potential to transform the delivery of care, to improve the quality and efficiency of the healthcare system, to enhance interactions between patients/caregivers and providers, and to enable greater access to the latest advancements in treatments, among other accomplishments and outcomes. Academic efforts within the Healthcare Technology and Systems track should demonstrate novel work within the IS discipline as well as reference



perspectives including computer science, economics, organizational behaviour, public policy, public health, software/electrical engineering, management, and strategy, among others. Completed research and research-in-progress topics might include, opportunities and challenges faced within the current healthcare sector; advances in healthcare information technologies (HIT), electronic health (e-health), telemedicine, and mobile health (m-health), among other innovative technological applications; as well as healthcare industry-specific issues related to traditional IS research concerns, including adoption and diffusion, systems design and implementation, and IS success.

*Richard Klein, Florida International University, rklein@fiu.edu*

*Kaushik Ghosh, Suffolk University kghosh@suffolk.edu*

### **Mini-Track 1: 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 live longer in self-contained circumstances than 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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*Doug Vogel, vogel.doug@gmail.com*

*Andreas Eckhardt andreas.eckhardt@ggs.de*

### **Mini-Track 2: Adoption and Impact of Health Information Technology**

Health information technology (HIT) is claimed to have the potential to reduce medical errors, streamline clinical processes, contain healthcare costs, and ultimately improve the quality of healthcare. In this mini-track, we invite research to examine the adoption and impact of HIT. The research can be done at any level, including individual, unit, organization, community, or society, and can use various research methodologies, such as empirical, modelling, case study, conceptual, intervention, or simulation. Issues of interest include but are not limited to the following: 1) factors affecting HIT adoption in health care context. 2) who are the stakeholders and how they interact with each other in affecting HIT adoption? 3) new models of HIT adoption. 4) post-adoption behavior and meaningful use of HIT. 5) how does HIT affect patient care? 6) how does HIT affect hospital operational efficiency and effectiveness? 7) how do online communities facilitate high-quality and affordable health care?

*Gang Peng, gpeng@fullerton.edu*

### **Mini-Track 3: Digital Transformation in Healthcare**

Healthcare information technology promotes new and improved opportunities for healthcare providers, and as it becomes more advanced and widely adopted, it will improve the way healthcare is delivered as well as enhance patient outcomes. The new concept of digital transformation shifts the focus from the value embedded in the technology itself, and 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 may take on a different meaning due to the difference between



patients and consumers. Although consumerism is undeniably a force in healthcare, it is not necessarily a force that improves patient outcomes. Therefore, digital transformation in healthcare 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.

The aim of this minitrack is 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 submissions of positivist, interpretivist, pragmatic and critical research, novel theoretical and methodological approaches, literature reviews, technology evaluations, and position papers.

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*Christopher Califf, christopher.califf@wwu.edu*

*Joseph Tan, tanjosep@mcmaster.ca*

#### **Mini-Track 4: Medical Apps and Mobile Health (mHealth) Solutions for Health and Wellness Management**

Healthcare systems globally are contending with monumental challenges in providing quality care to an aging populace as well as managing effectively and efficiently the exponential increase of chronic disease such as diabetes, obesity and cancer and rapidly rising healthcare costs. To add to this already complex situation, in 2020 the COVID-19 pandemic hit and now all countries must juggle return to a normal post COVID environment as well as address existing challenges to ensure better healthcare delivery and wellness for all. Mobile Health (mHealth), and Medical Apps open the door to the possibility of pervasive anytime, anywhere, for anyone delivery of healthcare services. 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 covering technical, organizational, behavioral, economical, theoretical and/or managerial perspectives on mobile Apps and mHealth solutions.

*Nilmini Wickramasinghe, nilmini.work@gmail.com*

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*Doug Vogel, vogel.doug@gmail.com*

#### **Mini-Track 5: Virtual Communities for Healthcare**

Information Asymmetry is one of the major factors that makes the healthcare industry unique. Patients are the ultimate users of health services; however, they have relatively little influence on their own health service choices. Further, when consumers receive services, it is difficult to evaluate what they have received. Virtual communities play a vital role in reducing information asymmetry. For example, patient-to-patient portals provide experiential health information. Blogs relating to health provide useful information to patients. Several virtual communities provide information, support and other opportunities for patients, providers, equipment manufacturers, policy workers, to express themselves and receive support. This minitrack provides a forum for all researchers who work in the healthcare virtual communities' space.

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Please consider submitting your research to one of the SIGHealth minitracks. The deadline for paper submissions is March 01, 2021 at 5:00PM EST. Please note the time cut-off. More information and submission details are available on the AMCIS 2021 Webpage via: <https://amcis2021.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 2021... 54th Hawaiian International Conference on System Sciences (HICSS)

Dates: January 5 – 8, 2021  
Location: Virtual, Kauai, Hawaii, USA  
Registration: Registration via Webpage...



[More Details...](#)

### June 2021... 24th European Conference on Informations Systems (ECIS)

Dates: June 14 – 16, 2021  
Location: Marrakech, Morocco (Virtual Status Decision February/March)  
Submissions: November 18, 2020  
Registration: Early registration begins April, 2021.



[More Details...](#)



### June 2021... 24th Pacific-Asian Conference on Informations Systems (PACIS)

Dates: June 22 – 24, 2021  
Location: Dubai, UAE  
Submissions: By March 5, 2021 – (GMT+4)  
Registration: Early registration begins in March 2021.



[More Details...](#)

### August 2021... 27<sup>th</sup> Americas Conference on Informations Systems (AMCIS)

Dates: August 9 – 13, 2021  
Location: Virtual (Montreal, Quebec, Canada)  
Submissions: March 1, 2021 5:00PM EST  
Registration: Early registration begins in May 2021.



[More Details...](#)

### December 2021... 42nd International Conference on Informations Systems (ICIS)

Dates: December 12 – 15, 2021  
Location: Austin, Texas, USA  
Submissions: May 4, 2021 11:59PM EST  
Registration: Early registration begins in July 2021.



[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...](#)

