



Editor's Notes...

Late Fall greetings!

As we move into a new year, I would like to extend a sincere thank you to our President Surendra Sarnikar and our Secretary Renée Pratt for all of their dedicated service to the SIGHealth community over the past year. Many, many thanks Surendra and Renée for their contributions and our SIG's success over the past year, which includes being named an AIS Outstanding SIG again for accomplishments in 2016.

We have a full line-up of SIGHealth opportunities highlighted in our 2017 newsletter. Our first article is an update from our president, Surendra Sarnikar, on SIGHealth activities. The other feature articles in this issue recap the winners for 2017 Best Paper Awards Published in 2016, the criteria used in identifying outstanding AIS communities, as well as the SIGHealth research submissions from AMCIS 2017 in Boston and the SIGHealth minitracks scheduled for the upcoming AMCIS 2018 in New Orleans.

On a side note, our upcoming AMICS 2018 provides an opportunity to highlight your research and enjoy the best of New Orleans cuisine and entertainment. I encourage you to visit the AMCIS 2018 conference Website. AMCIS in New Orleans promises to be an outstanding conference and the SIGHealth Board encourages all of our community to participate and attend as your 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 during each quarter 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>.

Warmest regards,

Jim Ryan, Ph.D.

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Feature Articles...

President's Report...

Surendra Sarnikar

Dear Colleagues:

We have had another productive year as the SIGHealth AIS Chapter in 2017. SIGHealth received the AIS Outstanding Chapter Award for the third year in a row and we continue to build on our past traditions and add new activities.

We continue our tradition of SIGHealth best paper awards and the awards were presented at both AMCIS and ICIS conferences this year. Thanks to Gondy Leroy for chairing the review committee and Adrian Yeow, Xiao Liu, Sriram Somanchi and Yu Tong for their service on the best paper review committee.

We had strong participation at our Second Pre-ICIS SIGHealth Workshop in Seoul, South Korea. Thanks to workshop chairs Matt Wimble and Renee Pratt for organizing a successful workshop. I would also like to thank all our SIGHealth Track and Mini-Track chairs at AMCIS, ECIS and PACIS for their time and effort in coordinating the healthcare related tracks and providing a forum for the advancement of Health IT research.

New this year, SIGHealth co-sponsored a Pre-AMCIS Workshop on Innovations in Healthcare Transformation featuring 12 Industry speakers. Many thanks to Workshops chairs Monica Garfield and Mohan Tanniru for organizing the workshop. This was one of our first initiatives to increase interaction with the Industry. The workshop was co-sponsored by Henry Ford Global Health and Bentley University Thought Leadership Network. The workshop was also certified for CPHIMSS continuing education credits.

I would also like to thank SIGHealth officers whose support and service make SIGHealth activities possible—Past-President Gondy Leroy, President-Elect Monica Tremblay, Treasurer Jim Ryan, Secretary Renee Pratt, Webmaster Mike Dohan, Membership Chair Haijing Hao, and Social Media Manager Tim Scott. It has been a pleasure working with them and I look forward to a productive 2018.

Thank you all for being a part of the SIGHealth community and best wishes for a fantastic 2018.

Surendra Sarnikar, PhD

SIGHealth President (2016-2018)

Our current elected officers, through August 2018, who make-up our SIGHealth Board are:

Immediate Past-President	Gondy Leroy	<i>gondyleroy@email.arizona.edu</i>
President	Surendra Sarnikar	<i>sarnikar@acm.org</i>
President-Elect	Monica Chiarini Tremblay	<i>monica.tremblay@mason.wm.edu</i>
Secretary	Renée Pratt	<i>rpratt@isenberg.umass.edu</i>
Treasurer	Jim Ryan	<i>jryan@aum.edu</i>



Best Paper Awards 2017...

Surendra Sarnikar

SIG-Health again sponsored a Best Published Paper Award at AMCIS 2017. 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 2016, 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?

The Best Paper Awards were presented during the SIGHealth annual business meeting at AMCIS 2017. Many thanks to last year’s recipients who all served on the review committee to score this year’s submissions from SIGHealth members.



Congratulations to the 2017 Best Published Paper Award recipients pictured above (left to right): Diane Strong – AMCIS 2017 Conference Co-chair; 2017 Best Published Paper Award recipients – Heiko Gewald; Jim Ryan; and Benjamin Schooley.



SIGHealth — Awarded Outstanding SIG in 2014, 2015, 2016,...

Renée Pratt



AIS has recognized our SIGHealth community as an Outstanding SIG for the past three years. Outstanding Communities are awarded for their contributions toward supporting the mission of AIS through the advancement of knowledge and the promotion of excellence in the practice and study of information systems. Some of the criteria used to identify Outstanding Communities include holding events, tracks and workshops, publishing journals or articles, providing officer transition training, and more.

All AIS Communities (SIGs/Chapters/Colleges) are required to submit an annual report to remain in good standing with AIS. The Annual Report process provides an opportunity to recognize AIS Communities that do an outstanding job of supporting the mission of AIS through the advancement of knowledge and the promotion of excellence in the practice and study of information systems. AIS Communities are evaluated by an AIS committee consisting of academic members who have an interest in SIGs, Chapters and Colleges, led by the VP for SIGs and Colleges and the VP for Membership and Chapters. Outstanding Communities are recognized each year online, through AIS electronic publications, and at AIS conferences.

The following criteria, submitted by the SIG secretary in the AIS Annual Report is used to identify the Outstanding Communities for 2017:

Required Criteria The SIG/Chapter/College has ...		
1. Hosted one activity, meeting, or event that is open to all AIS members.		
2. Conducted one Annual General Meeting (AGM).		
3. Conducted at least one Executive Board meeting.		
4. Submitted the Annual Report on or before February 15, 2018.		
5. All officer positions listed in the group bylaws are filled on December 31 of this reporting period. <i>(Please see your bylaws for the list of officer positions. They often include the roles of: President, President-Elect, Secretary, and Treasurer)</i>		
6. Submitted year-end financial statement. <i>(CHAPTERS ONLY)</i> <i>(Because AIS collects dues and manages money for SIGs and Colleges, it is not necessary for those groups to submit a year-end financial statement.)</i>		
Additional Criteria (In addition to the required elements listed above, a total of 100 points must be earned from the following five categories)	Value	Category Maximum
A. Organized and ran a track or workshop at an AIS or AIS affiliated conference or hosted a webinar, seminar, or other conference. Do <u>not</u> list the Annual General Meeting here.	15 points per event	45 points
B. Published one or more academic journal issues or special research topic issues. <i>(Publication date should be in the calendar year of the Annual Report.)</i>	15 points per publication	45 points
C. Developed Community award and recognition programs presented 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
D. Communicated with all members and other interested individuals to promote the activities of the Community through broadcast push messages. Communications can occur in any medium determined to be effective for your group; examples include newsletters, listserv announcements, or social media posts. They can all be in one medium.	5 points per promotional communication	25 points
E. Updated the Community website within the past calendar year.	10 points	10 points
F. Revitalized the Community with a change in Executive Leadership <i>(Officer terms may be no more than three years. AIS bylaws, Section 8.4; AIS Community bylaw template Article V, Section 1)</i> Points will be awarded for each appropriate officer turnover listed in the required information section.	5 points for each position that has a new officer in place after three years	20 points





AMCIS 2017 SIGHealth Minitracks...

Rich Klein

We had 63 submissions to the Healthcare Informatics & Health Information Technology Track (SIGHealth) for AMCIS 2017 in Boston, which was the highest number of submissions to any SIG sponsored Track. There was a noticeable increase in submissions to the analytics as well as privacy/security minitracks. Overall, we had 45 paper presentations (e.g., 71% acceptance) over nine paper sessions. Many thanks to all the authors, minitrack chairs, session chairs, and paper reviewers for their time, efforts, and contributions.

AMCIS 2018 SIGHealth Minitracks...

Rich Klein



We hope you will make plans to attend AMCIS 2018 in New Orleans! New Orleans is one of the top destinations named by AIS members and one of the most affordable cities for both airline routes and hotel prices, the time is right for the conference co-chairs to open the doors of the city to AMCIS and proclaim: *Laissez les bons temps rouler* (e.g., let the good times roll). This year's theme is *Digital Disruption* and SIGHealth is sponsoring the Healthcare Informatics & Health Information Technology Track, composed of seven 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 ground breaking 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 behavior, 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.

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Mini-Track 1: 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 facilitating the monitoring and management of exponentially increasing chronic disease such as diabetes. Mobile Health (mHealth), and Medical Apps offers the possibility of pervasive anytime, anywhere, for anyone delivery of healthcare services. The objective of this mini-track is to identify solutions to effect superior wellness management and healthcare by soliciting work-in-progress and completed research papers on mobile Apps and mHealth solutions that: (1) assess the infrastructure issues towards supporting mHealth, (2) propose and/or evaluate the design, development, and implementation of successful mHealth applications, (3) assess the impact of mHealth applications on patients, doctors, healthcare organization, and society in general, (4) develop theories to better understand the phenomenon of mHealth and eHealth and (5) evaluate key barriers and facilitators such as policy, compliance to standards, privacy and security requirements.

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Mini-Track 2: Digital Resources for the Aging Society

All developed and emerging 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 put tremendous pressure on social and healthcare systems around the world. Electronic resources (healthcare information systems, wearables, robots, internet-of-things, apps, websites, virtual discussion groups, social media etc.) provide a perspective to enable seniors to life in self-contained circumstances for longer than today. These resources also create enormous amount and variety of data that need to be address with present data sciences and artificial intelligence techniques. 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. We explicitly welcome papers dealing with issues of wellness, hospitality and medical tourism with respect to the aging society.

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Mini-Track 3: Health Information Privacy and Security

The type and number of organizations that handle health data is multifarious and growing. To complicate matters further, the use of technologies such as internet-connected medical devices and telemedicine is also on the rise. Furthermore, handlers of health data face a wide variety of complex regulatory compliance issues. For these reasons, the protection of health information is distinctive and merits a focused research effort within its own minitrack. This minitrack aims to highlight a wide range of research focused on the protection of health information. Research and results from this mini-track will bring light to unique data protection issues in healthcare. This minitrack encourages interdisciplinary research, a wide variety of approaches, and both completed and in-progress research papers.

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Mini-Track 4: Pharmaceutical Enterprise Systems and Supply Chain Management Systems

Pharmaceutical industry processes have some specific characteristics, and Pharmaceutical supply chain is more complex rather than many of industries. Product characterization, regulatory requirements, cost considerations, quality assurance and compliance, different margin of patent products and generics and special storage condition of biopharmaceuticals are some of issues that influence organizational processes in pharmaceutical filed. In addition of mentioned items, some other issues such as new delivery methods including direct to patient (DTP) for some special drug 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 of enterprise systems and supply chain management systems are very important in this era.

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Mini-Track 5: Role of Technology in Improving Healthcare Delivery Processes

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. The minitrack is open to papers on challenges and benefits from improved healthcare delivery over a variety of healthcare settings (e.g., hospitals, ambulatory clinics, or in the home). It is also open to multiple research methods including qualitative, quantitative, and design science approaches. We are especially interested in interdisciplinary approaches (e.g., IT, process design, as well as managerial and/or policy initiatives). Because the national context affects health care delivery choices, we are also interested in multi-national studies.

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Mini-Track 6: Digital Transformation in Healthcare

We are at the beginning of a fourth industrial revolution, enabled by emergence of new and improved digital capabilities. The ‘speed’ and ‘scale’ of changes within industries, such as healthcare, is imminent. Many believe that digital transformation, defined as digitally-enabled, continuous, strategic undertaking to significantly improve



business processes and customer engagement, is critical to advance the state of healthcare in order to improve patient outcomes. This minitrack seeks to understand the key strategic drivers of digital transformation for some of the entities in the healthcare value chain, including providers, payers, and pharmacies. The aim is to develop a comprehensive view of how patient outcomes and experience can be improved through digital transformation. This minitrack will consider empirical research, reviews of current literature, theory, methodology, and relevant position papers.

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Mini-Track 7: Cloud Computing for Healthcare

Cloud computing provides unique capabilities for organizations because of its elasticity, scalability, and cost effectiveness. Specifically, in healthcare, it can be used to store, access, and process medical data, which in turn can provide better health outcomes for the patients. However, implementation of cloud computing seeks to further that goal. This minitrack encourages research on current and future challenges and opportunities relating to the implementation of cloud solutions in the healthcare domain. Submissions may focus on electronic health records (EHR) and Health Information Exchange (HIE) on the cloud, edge computing, storage and processing of medical data, wearable devices and mobile applications using cloud solutions, health analytics, and big data on the cloud. Research can look into future directions for cloud computing implementations in healthcare, data retention and data removal from the cloud, as well as strategies to overcome physician resistance in using cloud solutions.

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Please consider submitting your research to one of the SIGHealth mini-tracks. The deadline for paper submissions is February 28, 2018 at 12:00PM CDT. Please note the time cut-off as it is different from past deadlines. More information and submission details are available on the AMCIS 2018 Webpage via <http://amcis2018.aisnet.org/submissions/call-for-papers/>.

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!





2015 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 2018... 51st Hawaiian International Conference on System Sciences (HICSS)

Dates: January 3 – 6, 2018
Location: Waikoloa, Hawaii, USA
Registration: On-site registration after December 2017.



[More Details...](#)

June 2018... 25th European Conference on Informations Systems (ECIS)

Dates: June 23 – 28, 2018
Location: Portsmouth, UK
Registration: Early registration begins in March 2018.



[More Details...](#)

August 2018... 24th Americas Conference on Informations Systems (AMCIS)

Dates: August 15 – 18, 2018
Location: New Orleans, Louisiana, USA
Registration: Early registration begins in May 2018.



[More Details...](#)

December 2018... 24th International Conference on Informations Systems (ICIS)

Dates: December 13 – 16, 2018
Location: San Francisco, California, USA
Registration: Early registration begins in July 2018.
Papers Due: May 2nd, 2018



[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...](#)