Special Interest Group in Healthcare
Association for Information Systems

SIGHealth Newsletter

Editor's Notes...

Summer greetings!

This is our third issue in 2014 and we have a full issue. Our president, Vance Wilson, shares his final recap of recent SIGHealth activities in the first article of our July SIGHealth newsletter. Vance will end his two-year term at our AMCIS 2014 business meeting, passing SIGHealth leadership on to President-Elect Gondy Leroy. Let us all extend many thanks to Vance for all of his efforts and hard work in leading SIGHealth activities. The next articles in this issue summarize AMCIS 2014 SIGHealth paper presentations and activities in Savannah, respectively. This issue also details the schedule of the new AIS Journal Club series on healthcare information technology research from JAIS and CAIS authors. Vance Wilson also gives us a Finnish perspective to dissertation defense. Lastly, we have included highlights from this year's SIGHealth annual report to AIS.

Our annual meeting will be held on Friday, August 8th from 6:00 – 7:30 PM in meeting room MR106 on the first floor of the Savannah International Trade and Convention Center. If you are attending AMCIS 2014, then please mark your schedule to attend.

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. We have a 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…   Vance Wilson

Plans are taking shape for a lively SIG-Health presence at AMCIS 2014. Activities scheduled included a research workshop, numerous research presentations, and our annual SIGHealth Business Meeting. Our business meeting will be held from 6-7:30pm Friday, August 8 in Meeting Room 106 of the Savannah International Trade and Convention Center (the AMCIS 2014 conference venue), One International Drive, Savannah, Georgia. SIG-Health members and all others interested in SIG-Health are invited to the business meeting. Continuing a SIG-Health tradition, we once again plan to taste regional wines and beers during the meeting.

Here is a brief recap of the past three months.

May – Our 2013 Annual Report was prepared, delivered to AIS, and posted on the SIGHealth Website. A total of 26 research papers plus three posters are accepted for presentation at AMCIS 2014

June – Ten papers were accepted to the "Human-Computer Interaction in Health and Wellness" Research Workshop that SIGHealth is co-hosting with SIGHCI. The "invitation-only" workshop will be held in Savannah prior to AMCIS 2014.

July – Nominations for SIGHealth President-Elect and Treasurer were returned from the nomination committee chaired by Immediate Past President Rich Klein. Surendra Sarnikar is nominated for the President-Elect position and Kaushik Ghosh for the Treasurer position. Two healthcare track papers received awards at ECIS 2014.

This will be my last report as SIGHealth President, as President-Elect Gondy Leroy will take the helm during our upcoming business meeting. The SIG has grown significantly in membership over the past two years, and we have completed important structural reorganization of officer transitions, updating of bylaws, development of a mission statement, and hosting of successful tracks and workshops in conjunction with AMCIS, ECIS, and PACIS conferences during that time. I have greatly enjoyed getting a chance to meet many of our members. I thank you for your continuing support of SIGHealth, and I look forward to visiting with those of you who can attend AMCIS 2014.

Vance Wilson,
SIGHealth President (2012-2014)   ∎

AMCIS 2014 Itinerary Planner…   Jim Ryan

The AMCIS 2014 itinerary planner is online via http://eventmobi.com/AMCIS2014 and as a downloadable mobile app. This scheduling tool allows AMCIS attendees to browse online the pre-conference activities, panel sessions, workshops, ancillary meetings, tracks, paper sessions, and poster exhibits—prior to your arrival. Moreover, individuals who cannot attend are able to see conference activities and share in the knowledge dissemination.

The itinerary planner allows conference attendees to map and plan their itinerary, day-by-day, with schedule conflicts highlighted. AMCIS attendees can browse and search conference activities by day or type, creating their own individualized conference itinerary to save or share with colleagues. For AMCIS 2014, all SIGHealth activities are at the Savannah International Trade & Convention Center in the meeting rooms (MRs), located on the 1st and 2nd floor, while the poster presentations (research in-progress papers) will occur in the Chatham Ballroom A/B on the 2nd floor. The following schedule of SIGHealth paper presentations and poster presentations are from the itinerary planner.

THURSDAY, AUGUST 7

Electronic Medical Records & Health Analytics, MR 104, 5:00 – 6:30 PM

Session Chair: Richard Klein, Florida International University

"Towards Understanding and Overcoming Hurdles in PDMS Projects in Germany" by Marcus Laumann, University of Applied Sciences Muenster; Susannne Menges, University of Applied Sciences Muenster; Wieland Appelfeller, University of Applied Sciences Muenster

"EHR Implementations in Healthcare Practices: Lessons from Two Case Studies" by Mayda Alrige, Claremont Graduate University; Abdulkareem Alsudais, Claremont Graduate University; Miloslava Plachkinova, Claremont Graduate University; Samir Chatterjee, Claremont Graduate University; Anna Edwards, Claremont Graduate University; Jonathan Rodriguez, Claremont Graduate University; Allegra Weinstein, Claremont Graduate University

"Decreasing Waiting Times with Human and Equipment Resources: Study of the Labor and Delivery Department with the use of Computer Simulation" by Candice Vander Weerdt, Kent State University

FRIDAY, AUGUST 8

Global Health IT, MR 105, 8:30 – 10:00 AM

Session Chairs: Michael Dohan, McMaster University and Jim Ryan, Troy University

"A National Patient-Centered E-Health Solution – The Experience from Down Under To-Date with the Personally Controlled Electronic Health Record (PCEHR)" by Imran Muhammad, RMIT University; Nilmini Wickramasinghe, RMIT

"A Study of the Issues of E-Health Care in Developing Countries: The Case of Ghana" by Rudolph Bedeley, University of North Carolina at Greensboro; Prashant Palvia, University of North Carolina at Greensboro

Improving Healthcare Delivery through IT I, MR 104, 1:30 – 3:00 PM

Session Chairs: Barbara Doster, University of Alabama-Birmingham and Jim Ryan, Troy University

"Information Technology for Evidence Based Medicine: Status and Future Direction" by Prem Timsina, Dakota State University; Omar El-Gayar, Dakota State University; Nevine Nawar, Dakota State University

"Technology Adoption in Hospitals – The Roles of System Integration and Technology Support" by Jun He, University of Michigan-Dearborn

Smart and Connected Health I, MR 104, 3:30 – 5:00 PM

Session Chair: Benjamin Schooley, University of South Carolina

"Embodying Personhood to Enhance Emotional Engagement and Reciprocity between Assistive Robot and People with Autism" by Rajiv Khosla, La Trobe University

"Design of the Feedback Engine for a Diabetes Self-care Smartphone App" by Diane Strong, Bengisu Tulu, Emmanuel Agu, Steve (Qian) He, Peder Pedersen, Lei Wang - Worcester Polytechnic Institute; Ronald Ignotz, Raymond Dunn, Sherry Pagota, David Harlan - University of Massachusetts Medical School

SATURDAY, AUGUST 9

Successful and Sustainable mHealth / eHealth, MR 105, 10:30 – 12:00 PM

Session Chair: Sweta Sneha, Kennesaw State University

"Acceptance of Mobile Health Technology in the Value Chain" by Trudib Bandyopadhyay, Kennesaw State University; Bahman Zadeh, Kennesaw State University

"Barriers for Breast Cancer (BC) Patients in Rural Bangladesh: Design and Deployment of a Mobile based Solution" by MD Muniru Haque; Fedaus Kawsar, Marquette University; MD Adibuzzaman, Marquette University; MD Mifta Uddin; Sheikh Ahamed, Marquette University; Richard Love, IBCRF; Ragib Hasan, UAB

Poster Session + Box Lunch, Chatham Ballroom A/B, 12:00 – 3:30 PM

"An Agent-Based System for Medication Adherence Monitoring and Patient Care" by Vijayan Sugumaran, Subramaniam Ganesan, Rajkumar Bhojan, and Ravi Parameswaran

"Conceptualizing Business Value of IT in Healthcare to Design Sustainable e-Health Solutions" by Peter Haddad and Nilmini Wickramasinghe

"Design Guidelines for a Mobile App Increasing Wellbeing of Emerging Adults" by Michael Hermano and Glenn Stewart

"Identifying Important Skill Sets to Support Healthcare Data Processing and Analytics: An Empirical Examination of Perceptions from HIT Practitioners" by Lei Li, Chi Zhang, and Guangzhi Zheng

"Impact of Electronic Diabetes Registry Use on Care and Outcomes in Primary Care" by Wencui Han, Raj Sharman, Gurdev Singh, and Ranjit Singh

"Impact of Information Technology Culture Conflict on Meaningful Use of Electronic Health Records System: A Conceptual Framework" by Michele Heath and Radha Appan

"Improving Healthcare Outreach to a Vulnerable Comunity Group: Agent-Based Decision Support" by G McGrath, Elisabeth Wilson-Evered, and Elizabeth More

"The ICU-P Model: Extending Delone and Mclean Information Systems Success Model to Study Clinicians` Intention to Continue Using Clinical Decision Support Systems" by Mohamed Abouzahra and Joseph Tan

"Utilizing the Uses and Gratification Theory to Understand Patients Use of Online Support Groups" by Victoria Kisekka, Wencui Han, and Raj Sharman

Smart and Connected Health II, MR 106, 1:30 – 3:00 PM

Session Chair: Bernard Han, Western Michigan University

"Personal Characteristics, Privacy Concern, and Membership in Virtual Health Communities: An Empirical Study" by Nima Kordzadeh, Idaho State University; John Warren, The University of Texas at San Antonio

"Social Media Use in Physician-Patient Interaction – A Fit Perspective" by Ramakrishna Dantu, University of Texas at Arlingtn; Jingguo Wang, University of Texas at Arlington; RadhaKanta Mahapatra, University of Texas at Arlington

Improving Healthcare Delivery through IT II, MR 103, 3:30 – 5:00 PM

Session Chair: Linda Byrd, Auburn University and Yaijong Xue, East Carolina University

"Meaningful Use of IT to Transform Healthcare: What Differentiates Success from Failure?" by Elizabeth Reagan, University of South Carolina

"The Evolving Regulatory Framework for Health Information Technology in the U.S." by Ravi Behara, Florida Atlantic University; C. Derrick Huang, Florida Atlantic University; Jahyun Goo, Florida Atlantic University

AMCIS 2013 Consolidated SIGHealth Activities…   **Jim Ryan**

The following list is a grouping of consolidated SIGHealth activities occurring during AMCIS 2014 and the Savannah International Trade & Convention Center floor plans (http://eventmobi.com/amcis2014/maps/66541) for each of the respective meeting rooms. We thank you for your participation and we look forward to seeing you in Savannah.

THURSDAY, AUGUST 7

   9:00 AM **–** 12:00 PM — HCI in Health and Wellness Research Workshop (Invitation Only), MR 201

   3:30 PM **–** 5:00 PM — Electronic Medical Records & Health Analytics, MR 104
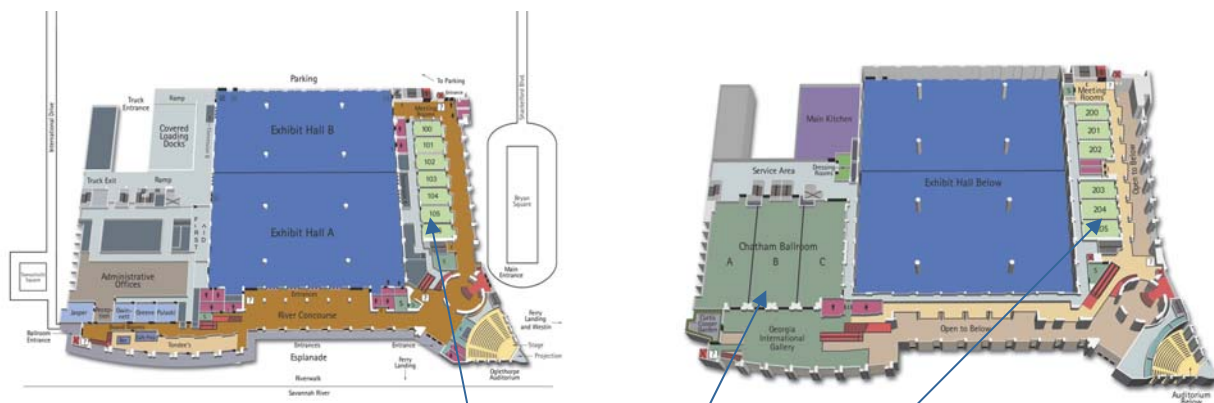

FRIDAY, AUGUST 8

   8:30 – 10:00 AM — Global Health IT, MR 105

   1:30 – 3:00 PM — Improving Healthcare Delivery through IT I, MR 104

   3:30 – 5:00 PM — Smart and Connected Health I, MR 104

   6:00 – 7:30 PM — SIG Health Business Meeting, MR 106

SATURDAY, AUGUST 9

   10:30 AM – 12:00 PM — Successful and Sustainable mHealth / eHealth, MR 105

   12:00 – 3:30 PM — Poster Session + Box Lunch, Chatham Ballroom A/B

   1:30 – 3:00 PM — Smart and Connected Health II, MR 106

   3:30 – 5:00 PM — Improving Healthcare Delivery through IT II, MR 103

Savannah International Trade & Convention Center Map

First Floor   *Second Floor*

The SIGHealth meeting rooms are on the first and second floors.

Announcing the AIS Journal Club Webinar Series …   **Rachel Daeger**

Beginning this September, the AIS Membership Committee will host a series of 11 webinars with authors from the Journal of the Association for Information Systems (JAIS) and Communications of the Association for Information Systems (CAIS) discussing their research on Healthcare Information Technology. Established more than 150 years ago, Journal Clubs were for professors and students to share and discuss current research. Today, this same educational exchange can take place worldwide through online webinars.

Educators are encouraged to schedule these sessions as a graduate study program. AIS SIGs, chapters, and student chapters might also be interested in the webinars as content for their meetings.

The one-hour sessions will be held Wednesdays at 1:00 p.m. Eastern Time and include Q&A from the audience. Discussion will continue after the webinar on LinkedIn. Sessions will be recorded and available online. AIS members can register to attend live sessions and download recordings at no cost as a benefit of membership. Non-members will pay a $25 fee per session. Register online at http://aisnet.org/?WebinarsPage. If you would like to be registered for all 11 sessions, or if you have any questions about attending or sponsoring this webinar series, then please contact Rachel Daeger at rachel@aisnet.org.

The scheduled presentations and authors are:

- *9/10* *Patients Are Not Simply Health IT Users or Consumers: The Case for "e Healthicant" Applications* presented by Susan A. Sherer, PhD, Lehigh University
- *9/17* *Educating Students in Healthcare Information Technology: IS Community Barriers, Challenges, and Paths Forward* presented by Samir Chatterjee, PhD, Claremont Graduate University
- *9/24* *Health Care IT: Process, People, Patients and Interdisciplinary Considerations* presented by Fay Cobb Payton, PhD, North Carolina State University
- *10/1* *Security Risk Management in Healthcare: A Case Study* presented by Humayun Zafar, PhD, Kennesaw State University
- *10/8* *The Clinical Impact of eHealth on the Self-Management of Diabetes: A Double Adoption Perspective* presented by Helen Kelley, PhD, University of Lethbridge
- *10/15* *Underpinning a Guiding Theory of Patient-Centered E-Health* presented by E. Vance Wilson, PhD, Worcester Polytechnic Institute
- *10/22* *Making the Case for Leveraging the Patient-Centered E-Health (PCEH) Context to Expand Information Systems Theory* presented by Aaron Baird, PhD, Georgia State University
- *10/29* *Health Digital Inclusion and Patient-centered Care Readiness in the USA* presented by Jun Sun, PhD, University of Texas - Pan American
- *11/5* *Information Technology Issues in Healthcare: Hospital CEO and CIO Perspectives* presented by Prashant Palvia, PhD, The University of North Carolina at Greensboro
- *11/12* *Evaluation as a Multi-Ontological Endeavour: A Case from the English National Program for IT in Healthcare* presented by Ela Klecun, PhD, London School of Economics
- *11/19* *Ubiquitous Healthcare Information System: Toward Crossing the Security Chasm* presented by Sweta Sneha, PhD, Kennesaw State University

Professor Vance Wilson, *Opponent…*   Vance Wilson

In May SIG-Health President Vance Wilson traveled to University of Oulo, Finland to participate as *Opponent* in the (successful) Ph.D. defense of student Sitwat Langrial. Mr. Langrial's thesis focuses on persuasive uses of Information Technology in health settings, an area of Prof. Wilson's expertise.

This was a very interesting experience, to say the least! *The Opponent* position is a tradition in the Nordic countries, and it is particularly formalized in Finland. Wikipedia describes the Finnish Ph.D. defense process in this way:

The doctoral dissertation takes place in public, usually in a university auditorium, with the opponent and the candidate conducting a very formal debate, usually wearing white tie, under the supervision of the thesis supervisor. It is customary for the family, friends, colleagues and the members of the research community to attend the defense proceedings. After a formal entrance, the candidate begins the proceeding by a 20-minute popular lecture *(lectio praecursoria)*, which is meant to introduce the laymen present to the topic of the thesis. After this, the opponent gives a short talk on the topic of the defense, after which the pair critically discusses the dissertation. The proceedings take two, maybe three hours. At the end of the proceeding, the opponent presents his final statement on the work, and reveals whether he/she will recommend that the faculty accept it. After the opponent has finished, any member of the public has an opportunity to raise questions on the dissertation, although such *opponents extraordinary* are rare. Immediately after the defense, the supervisor, the opponent, and the passed candidate drink coffee with the public. Usually, the attendees of the defense are handed out the printed dissertation and leave with it. In the evening, the passed candidate is obligated to host a dinner (Finnish: *karonkka*) in honor of the opponent. Usually, the candidate invites his family, colleagues, and collaborators.

Photo Above—At left is Harri Oinas-Kukkonen (Thesis supervisor or Kustos, related to the term "custodian"); Vance Wilson (*Opponent*) is at right. Both are shown in the formal attire required for the Ph.D. defense, including top hat with university medallion.

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AIS SIGHealth Annual Report…   Jim Ryan

SIGHealth submitted its annual report in May for activities accomplished over 2013. The entire report is available on the SIGHealth Website (http://www.aissighealth.com/wordpress/?page_id=15), and the following are highlighted SIGHealth efforts from the report:

- Coordinated SIG-Health tracks at 2013 AIS conferences
    - ✓ AMCIS – 18 completed papers in six sessions and 12 research-in-progress papers were accepted
    - ✓ ECIS – 14 completed papers in five sessions and 12 research-in-progress papers were accepted
    - ✓ PACIS – Presented the IT/IS Healthcare track
- Conducted an Annual Business Meeting at AMCIS 2013
- Published quarterly SIGHealth newsletters
- Maintained and regularly updated the SIGHealth website

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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.

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Networking Opportunities…

Spread the word: SIGHealth is a group on Linked in ®

2014 Renewal of AIS Membership and Re-designating SIGHealth Interest

Many colleagues renew their AIS membership during conference registration. 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.

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August 2014… 20th Americas Conference on Information Systems (AMCIS)

Dates: August 7 – 10, 2014

Location: Savannah, Georgia, USA

Registration: Onsite registration available

More Details…

December 2014… International Conference on Information Systems (ICIS)

Dates: December 14 – 17, 2014

Location: Auckland, New Zealand

Paper Submission: Due May 3, 2014

Early Registration: Through October 8, 2014

More Details…

January 2015… 48th Hawaiian International Conference on System Sciences (HICSS)

Dates: January 5 – 8, 2015

Location: Poipu, Kauai, Hawaii

Registration: Begins September 2014

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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