



AIS SIGHCI Newsletter

Association for Information Systems
Special Interest Group on Human Computer Interaction

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A Message from the Chair

Dear fellow SIGHCI members and friends,

What an exciting (and admittedly extremely busy) six months since the last newsletter issue it has been for the SIGHCI. In spite of challenges brought on by the enduring pandemic, your SIGHCI team - comprising 4 Executive Board Members, 4 Officers, 7 Members, and 12 Advisory Board Members - has shown unwavering commitment in its mission, and the fruit of their labor has been sweet, evident from a short list below:

- SIGHCI-sponsored events at ICIS and HICSS featured 56 papers!
- The website now hosts an updated collection of sighci.org/teaching resources!
- Dedicated e-mail addresses are now in effect for each portfolio! (which add a touch of professionalism, but also help with election-related transitions)
- A research project is underway, for which a related announcement is found on page 5 of this newsletter; please do take the time to respond to a very short survey on HCI research dissemination – and you will receive a complimentary 1-year membership with SIGHCI! → <http://bit.ly/sighci-research-survey>
- SIGHCI social media continue to feature daily, high-quality posts, including features of the entire Board, so that you can get to know your representatives!
- The SIG's fiscal policy update include Student Travel Scholarships!
- The 2020 pre-ICIS Workshop was... well, 20/20!
 - Featured its largest-ever program with 23 papers!
 - Hosted an Industry Keynote *and* a Closing (Academic) Keynote!
 - Debuted a new paper presentation format that was positively received!
 - Attracted its largest audience with 247 registrations!
 - Used a new platform that allowed for more social interactions among participants!
 - Secured 6 corporate and academic sponsors - including **Google**, **Adobe**, and **Tech3Lab** at the Gold level - and 4 personal sponsors! We thank them, all!

Lastly, with elections coming up in May, my term as Chair will be coming to an end (and while I immensely appreciate the vote of confidence and numerous calls for continuing on for another term, regrettably, I must decline but will continue serving as Past Chair). I would like to encourage anyone who is passionate about our community and ready to make the investment to consider nominating themselves or someone else. Indeed, the portfolio is demanding, but the intrinsic rewards make it all worthwhile, plus they would have a chance to work with a truly awesome group of people! If you would like to learn more about the portfolio, do not hesitate to email me (chair@sighci.org) to arrange a meeting.

Our next newsletter will be published in September. In the interim, regular updates will be shared via the listserv, website and social media. Wishing everyone a successful end to the academic year!

Constantinos K. Coursaris
SIGHCI's head servant (a.k.a. Chair)



Review: HCI Mini-Track at HICSS 2021

Human Compute Interaction in Digital Economy Mini-Track At the Hawaii International Conference on System Sciences (HICSS 2021)

Kauai, Hawaii (Virtual Conference)
January 5 – 8, 2021

Track Co-Chairs:

Christoph Schneider, University of Navarra (cschneider@iese.edu)
Joe Valacich, University of Arizona (valacich@arizona.edu)
Jeffrey Jenkins, Brigham Young University (jeffrey_jenkins@byu.edu)

The HICSS 2021 HCI Mini-Track attracted a number of high-quality submissions. The mini-track was entirely virtual. There was an increase in submissions with a total of 21 submissions. 9 papers were finally accepted.

Review: Pre-ICIS HCI Workshop 2020

Pre-ICIS Workshop on HCI Research in MIS At the International Conference on Information Systems (ICIS 2020)

Hyderabad, India (Virtual Conference)
December 13 – 16, 2020

Workshop Co-Chairs:

Constantinos K. Coursaris, HEC Montréal (constantinos.coursaris@hec.ca)
Greg Moody, University of Nevada, Las Vegas (gregory.moody@unlv.edu)

Program Co-Chairs:

Brian Dunn, Utah State University (brian.dunn@usu.edu)
Chee-Wee Tan, Copenhagen Business School (ct.digi@cbs.dk)
Mark Grimes, University of Houston (gmgrimes@bauer.uh.edu)

The 19th Annual Pre-ICIS Workshop on HCI Research in MIS was successfully concluded on Saturday, December 12th, 2020. Despite the workshop being held remotely due to the pandemic, it attracted a total of 23 high-quality submissions (8 Completed Research Papers (CRPs), 14 Research-in-Progress (RIP) Papers, and 1 Poster) from 64 authors belonging to 21 institutions located in 8 different countries. The submissions cover a wide range of HCI issues related to addiction, chatbots, crowdfunding, education, gamification, mobile apps, social media, as well as privacy and security. Of the 23 submissions, 4 CRPs and 6 RIPs were accepted for presentation (~43% acceptance rate). At the same time, this is the first year in which the *Rapid Research Roundtable* was debuted as a forum for submissions that may not be matured enough for presentation but could benefit from interactive roundtable discussions. Last but not least, the workshop was honored to host *Mary Czerwinski*, Research Manager at the Human Understanding and Empathy Group for Microsoft, and *Ben Shneiderman*, Distinguished University Professor at the Department of Computer Science in the University of Maryland, as keynote speakers. Of the 26 attendees who responded to the post-workshop survey, 23 (~88%) expressed that they were very satisfied with the workshop while the other 3 (~12%) indicated that they were satisfied with the workshop. Likewise, of the 14 attendees who responded to the post-workshop keynote session survey, 11 expressed that they were very satisfied with the keynote sessions while 2 respondents indicated that they were satisfied with the keynote sessions and 1 indicated that he/she was moderately satisfied with the keynote sessions.

2020 SIGHCI Workshop Award Recipients



Na Jiang

Best Reviewer



Constantinos K. Coursaris

Outstanding Service



Mengyao Fu, Bingqing Xiong, Eric Lim, Weiquan Wang

Best Paper

Telling an Attractive Digital Story: Unraveling the Effects of Digital Product Placement Strategy on Product Exposure



Dezhi Wu, Jun Zhang, Nicholas Brown, Paul Lowry, Greg Moody

People's Choice Best Talk Award

Patching the "Human" in Information Security: Using the Inoculation Defense to Confer Resistance Against Phishing Attacks

2019 THCI Award Recipients



Mengyao Fu

Best Reviewer



Renata Santiago Walser, Isabella Seeber, Ronald Maier

Best Paper

Designing a Digital Nudge for Convergence: The Role of Decomposition of Information Load for Decision Making and Choice Accuracy



Torkil Clemmensen

Senior Editor of the Year

Review: HCI Track at ICIS 2020

Human Computer Interaction, Artificial Intelligence, and Intelligent Augmentation Track at the International Conference on Information Systems (ICIS 2020)

Hyderabad, India (Virtual Conference)
December 13 – 16, 2020

Track Co-Chairs:

- Ahmed Abbasi, University of Virginia (ana6e@comm.virginia.edu)
- Lionel Robert, University of Michigan (lprobert@umich.edu)
- Weiquan Wang, City University of Hong Kong (weiquan.wang@gmail.com)
- Lynn Wu, University of Pennsylvania (wulynn@upenn.edu)

The 2020 ICIS tracks were a bit different since the organizers fused tracks that would have traditionally been aligned with a single SIG. For instance, our track merged prior tracks on HCI and Data Science. The rationale being that HCI is currently being shaped while also shaping the applications of artificial intelligence (AI) and intelligent augmentation. The track had three main themes: human-computer interaction, economic implications of AI for intelligent augmentation, and data science and design science for AI and intelligent augmentation. The track reflects a breath of research traditions and approaches, including behavioral, economics of IS, econometrics, design science, and data science, that addressed new and emerging issues in these fields. Overall, the track received 85 submissions - 44 completed and 41 short papers. The number of papers accepted was 24 (13 completed and 11 short). These accepted papers were arranged into four session themes: Machine Learning & Design Science Research, VR, Persuasion & AI, Human-AI/Agent/Robot Interaction, and Chatbots & Conversational Agents.



Future Activities Sponsored by AIS SIGHCI

Design Research and Methods in Information Systems Track at European Conference on Information Systems (ECIS 2021)

Marrakech, Morocco (Virtual)
June 14 – 16, 2021

Track Co-Chairs:

Stefan Morana, Karlsruhe Institute of Technology (stefan.morana@kit.edu)
Alan R. Hevner, University of South Florida (ahevner@usf.edu)
Shirley Gregor, Australian National University (shirley.gregor@anu.edu.au)
Marc T. P. Adam, The University of Newcastle (marc.adam@newcastle.edu.au)

For more details, please visit <https://aisnet.org/page/ECISPage>



Human Computer Interaction Track at the Pacific Asia Conference on Information Systems (PACIS 2021)

Dubai, UAE (Virtual Conference)
June 20 – 24, 2021

Track Co-Chairs:

Ben Choi, Nanyang Technological University (benchoi@ntu.edu.sg)
Lusi Yang, University of Arizona (lusiyang@email.arizona.edu)
Yi Wu, Tianjin University (yiwu@tju.edu.cn)



**International Conference on HCI in Business, Government and Organizations (HCIBGO)
Affiliated with HCII 2021**

**Washington DC, USA (Virtual Conference)
July 24 – 29, 2021**

Conference Co-Chairs:

Fiona Fui-Hoon Nah, Missouri University of Science and Technology (nahf@mst.edu)
Keng Siau, Missouri University of Science and Technology (siauk@mst.edu)

For more details, please visit <http://2021.hci.international/hcibgo>



**Human Computer Interaction Track
at Americas Conference on Information Systems (AMCIS 2021)**

**Virtual Conference
August 9 – 13, 2021**

Track Co-Chairs:

Miguel I. Aguirre-Urreta, Florida International University (miguel.aguirreurreta@fiu.edu)
Dezhi Wu, University of South Carolina (dezhiwu@cec.sc.edu)
Jeff Jenkins, Brigham Young University (jeffrey_jenkins@byu.edu)

For more details, please visit <https://amcis2021.aisconferences.org>



HCI Research Dissemination: Your Survey Participation is Requested!

In collaboration with the AIS and the AIS Transactions on Human-Computer Interaction, SIGHCI is conducting a survey to assess research dissemination tendencies and preferences of HCI Scholars in IS. The goal is to gauge perceptions about different journals as possible outlets for HCI research as well as gauge community perceptions about key HCI resources and future research directions.

The survey will take about 12 minutes to complete. Upon completing the main survey, you will be redirected to a second survey to record your name so you will receive a complementary one-year SIGHCI membership.

Please take a few minutes to fill in the survey shown at the link below. The link will remain available until April 30 (11.59pm ET).

<http://bit.ly/sighci-research-survey>

Thank you very much for your time and valuable responses!

Recent Publications in AIS Transactions on HCI (THCI)

THCI is ranked "A" in the 2019 Australian Business Deans Council (ABDC) Journal Quality List - <https://abdc.edu.au/research/abdc-journal-list/>.

September 2020 issue of THCI:

The September 2020 issue of THCI comprises three papers. The first paper entitled "Human-Centered Artificial Intelligence: Three Fresh Ideas" is a commentary by Ben Shneiderman where he offers three fundamental ideas to the design of Human-Centered Artificial Intelligence (HCAI) by emphasizing the importance of human control and governance structures. The paper provides suggestions for developing reliable, safe, and trustworthy HCAI, as well as fifteen recommendations for the governance structures for reliable, safe, and trustworthy HCAI. In the second paper entitled "Understanding the Interaction between Older Adults and Soft Service Robots: Insights from Robotics and the Technology Acceptance Model" by Loong Yi Lee, Weng Marc Lim, Pei-Lee Teh, Omar Ali Syadiqeen Malik, and Surya Nurzaman, the authors developed a teleoperated human-sized soft service robot and studied its acceptance among older adults. The third paper entitled "The Impact of Anonymous Peripheral Contributions on Open Source Software Development" by Sherae Daniel, Tingting (Rachel) Chung, and Pratyush Nidhi Sharma examined the effects of the ratio of identified and anonymous peripheral contributions on open source software project performance and the moderating effects of developer versus end-user applications.

You can download the papers from this issue at <https://aisel.aisnet.org/thci/vol12/iss3/> or the direct links provided below. You can also upload papers in THCI by visiting the AIS E-Library <https://aisel.aisnet.org> or the journal website at <https://aisel.aisnet.org/thci/>.

Paper 1:

Shneiderman, B. (2020). Human-centered artificial intelligence: Three fresh ideas. AIS Transactions on Human-Computer Interaction, 12(3), pp. 109-124. DOI: 10.17705/1thci.00131

Available at: <https://aisel.aisnet.org/thci/vol12/iss3/1/>

Abstract:

Human-Centered AI (HCAI) is a promising direction for designing AI systems that support human self-efficacy, promote creativity, clarify responsibility, and facilitate social participation. These human aspirations also encourage consideration of privacy, security, environmental protection, social justice, and human rights. This commentary reverses the current emphasis on algorithms and AI methods, by putting humans at the center of systems design thinking, in effect, a second Copernican Revolution. It offers three ideas: (1) a two-dimensional HCAI framework, which shows how it is possible to have both high levels of human control AND high levels of automation, (2) a shift from emulating humans to empowering people with a plea to shift language, imagery, and metaphors away from portrayals of intelligent autonomous teammates towards descriptions of powerful tool-like appliances and tele-operated devices, and (3) a three-level governance structure that describes how software engineering teams can develop more reliable systems, how managers can emphasize a safety culture across an organization, and how industry-wide certification can promote trustworthy HCAI systems. These ideas will be challenged by some, refined by others, extended to accommodate new technologies, and validated with quantitative and qualitative research. They offer a reframe -- a chance to restart design discussions for products and services -- which could bring greater benefits to individuals, families, communities, businesses, and society.

Paper 2:

Lee, L. Y., Lim, W. M., Teh, P.-L., Syadiqeen, O. A., & Nurzaman, S. (2020). Understanding the interaction between older adults and soft service robots: Insights from robotics and the technology acceptance model. AIS Transactions on Human-Computer Interaction, 12(3), pp. 125-145. DOI: 10.17705/1thci.00132

Available at: <https://aisel.aisnet.org/thci/vol12/iss3/2/>

Abstract:

As the world's population increasingly ages, we need technological solutions such as robotics technology to assist older adults in their daily tasks. In this regard, we examine soft service robots' potential to help care for the elderly. To do so, we developed and tested the degree to which they would accept a soft service robot that catered to their functional needs in the home environment. We used embodied artificial to develop an in-house teleoperated human-sized soft service robot that performed object-retrieval tasks with a soft gripper. Using an extended technology acceptance model as a theoretical lens, we conducted a study with 79 older adults to examine the degree to which they would accept a soft service robot in the home environment. We found perceived ease of use, perceived usefulness, and subjective norms as significant predictors that positively influenced older adults' intention to adopt and use soft service robots. However, we also found that perceived anxiety and perceived likability did not significantly predict older adults' intention to adopt and use soft service robots. We discuss the implications, limitations, and future research directions that arise from these findings.

Paper 3:

Daniel, S., Chung, T., & Sharma, P. N. (2020). The impact of anonymous peripheral contributions on open source software development. AIS Transactions on Human-Computer Interaction, 12(3), pp. 146-171. DOI: 10.17705/1thci.00133

Available at: <https://aisel.aisnet.org/thci/vol12/iss3/3/>

Abstract:

Online peer production communities such as open source software (OSS) projects attract both identified and anonymous peripheral contributions (APC) (e.g., defect reports, feature requests, or forum posts). While we can attribute identified peripheral contributions (IPC) to specific individuals and OSS projects need them to succeed, one cannot trace back anonymous peripheral contributions (APC), and they can have both positive and negative ramifications for project development. Open platforms and managers face a challenging design choice in deciding whether to allow APC and for which tasks or what type of projects. We examine the impact that the ratio between APC and IPC has on OSS project performance. Our results suggest that the OSS projects perform the best when they contain a uniform anonymity level (i.e., they contain predominantly APC or predominantly IPC). However, our results also suggest that OSS projects have lower performance when the ratio between APC and IPC nears one (i.e., they contain close to the same number of APC and IPC). Furthermore, our results suggest that these results differ depending on the type of application that a project develops. Our study contributes to the ongoing debate about the implications of anonymity for online communities and informs managers about the effect that anonymous contributions have on their projects.

December 2020 issue of THCI:

The December 2020 issue of THCI comprises one regular paper and four papers on the theme of a special edition on AI fairness, trust, and ethics (i.e., an editorial/introduction to the special edition followed by three papers on the special edition theme). One other paper on the special edition theme will appear in the next issue in March 2021. The special edition on AI fairness, trust, and ethics was edited by Lionel Robert, Gaurav Bansal, Nigel Melville, and Tom Stafford.

The regular paper entitled "Sustaining Patient Engagement: The Role of Health Emotion and Personality Traits in Patient Portal Continuous Use Decision" by Murad Moqbel, Mohammed Sajedur Rahman, Sunyoung Cho, and Barbara Hewitt is a regular paper that examined the influence of health emotion and personality traits on patient portal continuous use. The introduction to the special edition theme on AI fairness, trust, and ethics is co-authored by the co-editors, Lionel P. Robert Jr., Gaurav Bansal, Nigel Melville, and Thomas Stafford, who have produced an outstanding edition. The first paper on the special issue theme is entitled "On Implementing Ethical Principles in Design Science Research" and is co-authored by Ivo Benke, Jasper Feine, John R. Venable, and Alexander Maedche. They reviewed ethical principles and their implementation in design science research. They also introduced the concept of ethical design science research process models. The second paper on the special issue theme is entitled "Trust in 'Trust-free' Digital Networks: How Inter-firm Algorithmic Relationships Embed the Cardinal Principles of Value Co-Creation" and is authored by Arindam Das. It identifies and analyzes factors influencing firms' adoption of algorithmic relationships in smart contracts for value co-creation. In the third paper of the special issue theme entitled "Exploring the Intersection of the Digital Divide and Artificial Intelligence: A Hermeneutic Literature Review" by Lemuria Carter, Dapeng Liu, and Caley Cantrell, the authors conducted a hermeneutic literature review, synthesized three theoretical framings at the intersection between the digital divide and AI, and provided a socio-technical framework for addressing the AI divide. Finally, the last paper of the special issue theme which will be published in the next issue in March 2021 is entitled "Understanding the Effect of Task Complexity on Automation Potential and Opacity: Implications for Algorithmic Fairness" and is co-authored by M. Vimalkumar, Agam Gupta, Divya Sharma, and Yogesh K. Dwivedi. Given that most of the literature uses a generic notion of algorithms and overlooks the specificity of different algorithms and the typicality of the tasks that they perform, the authors analyzed how variations in complexity of tasks contribute to differences in their automation potential and opacity resulting from their automation. They provided a framework for assessing the likelihood of fairness concerns arising from differences in task complexity along with recommendations for affordances that can help address fairness issues.

You can download the papers from this issue at <https://aisel.aisnet.org/thci/vol12/iss4/> or the direct links provided below. You can also download papers in THCI by visiting the AIS E-Library <https://aisel.aisnet.org> or the journal website at <https://aisel.aisnet.org/thci/>.

Paper 1 (Introduction to the special edition on AI fairness, trust, and ethics):

Robert, L. P., Bansal, G., Melville, N. & Stafford, T. (2020). Introduction to the special issue on AI fairness, trust, and ethics. AIS Transactions on Human-Computer Interaction, 12(4), pp. 172-178. DOI: 10.17705/1thci.00134

Available at: <https://aisel.aisnet.org/thci/vol12/iss4/1/>

Abstract:

It is our pleasure to welcome you to this AIS Transactions on Human Computer Interaction special issue on artificial intelligence (AI) fairness, trust, and ethics. This special issue received research papers that unpacked the potential, challenges, impacts, and theoretical implications of AI. This special issue contains four papers that integrate research across diverse fields of study, such as social science, computer science, engineering, design, values, and other diverse topics related to AI fairness, trust, and ethics broadly conceptualized. This issue contains three of the four papers (along with a regular paper of the journal). The fourth or last paper of this special issue is forthcoming in March 2021. We hope that you enjoy these papers and, like us, look forward to similar research published in AIS Transactions on Human Computer Interaction.

Paper 2 (which is a regular paper that is not part of the special edition):

Moqbel, M., Rahman, M. S., Cho, S., & Hewitt, B. A. (2020). Sustaining Patient Engagement: The Role of Health Emotion and Personality Traits in Patient Portal Continuous Use Decision, AIS Transactions on Human-Computer Interaction, 12(4), pp. 179-205. DOI: 10.17705/1thci.00135

Available at: <https://aisel.aisnet.org/thci/vol12/iss4/2/>

Abstract:

Healthcare providers increasingly rely on technology, such as patient portals, for asynchronous communication with their patients. Even though clinicians have increasingly adopted patient portals to enhance healthcare quality and reduce cost, few patients continue to use this technology. In this paper, we investigate the effect that individuals' health emotion and personality traits as measured using the five-factor model (FFM) have on patients' intention to continually use patient portals through the lens of emotional dissonance theory. We collected survey data from 187 patients at a major medical center in the Midwestern United States. After we analyzed the data using structural equation modeling, we found that the final model explained 40 percent of the variance in intention to continue to use. Our results suggest that whether individuals continue to use technology depends on their reactions to technology in which health emotions and personality traits play a crucial part. Additionally, health emotion modifies the effect that personality traits have on patients' intention to continue to use a patient portal. Our study provides healthcare organizations with an integrated view of patient portal use behavior and shows that individual personality traits and health emotion may increase sustainable patient enrollment and engagement.

Paper 3:

Benke, I., Feine, J., Venable, J. R., & Maedche, A. (2020). On Implementing of Ethical Principles in Design Science Research. *AIS Transactions on Human-Computer Interaction*, 12(4), pp. 206-227. DOI: 10.17705/1thci.00136
Available at: <https://aisel.aisnet.org/thci/vol12/iss4/3/>

Abstract:

Technological innovations raise axiological questions such as what is right or wrong, good and bad, and so on (i.e., ethical considerations). These considerations have particular importance in design science research (DSR) projects since the developed artifacts often actively intervene into human affairs and, thus, cannot be free from value. To account for this fact, Myers and Venable (2014) proposed six ethical principles for DSR in order to support researchers to conduct ethical DSR. However, ethical principles per se and the ethical DSR principles that Myers and Venable propose have an abstract nature so that they can apply to a broad range of contexts. As a consequence, they do not necessarily apply to specific research projects, which means researchers need to contextualize them for each specific DSR project. Because doing so involves much challenge, we explore how contemporary DSR publications have dealt with this contextualization task and how they implemented the six ethical principles for DSR. Our results reveal that DSR publications have not discussed ethical principles in sufficient depth. To further promote ethical considerations in DSR, we argue that both DSR researchers and reviewers should be supported in implementing ethical principles. Therefore, we outline two pathways toward ethical DSR. First, we propose that researchers need to articulate the next generation of ethical principles for DSR using prescriptive knowledge structures from DSR. Second, we propose extending established DSR conceptualizations with an ethical dimension and specifically introduce the concept of ethical DSR process models. With this work, we contribute to the IS literature by reviewing ethical principles and their implementation in DSR, identifying potential challenges hindering efforts to implement ethics in DSR, and providing two pathways towards ethical DSR.

Paper 4:

Das, A. (2020). Trust in "Trust-free" Digital Networks: How Inter-firm Algorithmic Relationships Embed the Cardinal Principles of Value Co-Creation. *AIS Transactions on Human-Computer Interaction*, 12(4), pp. 228-252. DOI: 10.17705/1thci.00137
Available at: <https://aisel.aisnet.org/thci/vol12/iss4/4/>

Abstract:

In this exploratory research, I develop new knowledge on trust in inter-firm cooperation that leverages recent technologies such as blockchain and the Internet of things in a digital platform ecosystem. In a digital network, advanced algorithms govern and shape inter-firm business processes. While such algorithms introduce efficiency in inter-firm business processes, their limitations, especially their apparent lack of transparency, may affect the key trust dimensions (i.e., reliability, fairness, and goodwill) in the relationships among the participating firms. I introduce algorithmic relationship, a label that embeds the concepts of smart contracts in inter-firm cooperation. Algorithmic relationships involve autonomous and semi-autonomous implementations of smart contracts in all lifecycle stages of inter-firm cooperation. By analyzing extant literature on trust, inter-firm cooperation, business model innovation, and digital platforms, I demonstrate how various factors influence whether firms adopt smart contracts: perceptions about other participants' trustworthiness, participants' own propensity to trust, participants' shared goals and resource embeddedness in the network, perceived risks in inter-firm interactions, and complexity and time criticality of inter-firm interactions. Taking a temporal perspective, I also recognize the present lacunae with smart contracts from various perspectives (algorithm development, algorithm implementation, algorithm governance, and the availability of appropriate legal resources in the event that disputes occur) and demonstrate how these drawbacks impede shared value creation.

Paper 5:

Carter, L., Liu, D., & Cantrell, C. (2020). Exploring the Intersection of the Digital Divide and Artificial Intelligence: A Hermeneutic Literature Review. *AIS Transactions on Human-Computer Interaction*, 12(4), pp. 253-275. DOI: 10.17705/1thci.00138
Available at: <https://aisel.aisnet.org/thci/vol12/iss4/5/>

Abstract:

Given the rapid advancements in information communication technology (ICT), researchers and practitioners need to understand the impact that emerging phenomena, such as artificial intelligence (AI), have on existing social and economic challenges. We conducted a hermeneutic literature review to present the current state of the digital divide, developments in AI, and AI's potential impact on the digital divide. We propose three theoretical framings: 1) conceptualizing the divide, 2) modeling the divide, and 3) analyzing the divide. These framings synthesize the digital divide's essence in relation to AI and provide the foundation for a socio-technical research agenda for the digital divide in light of the evolving phenomena of AI.

Call for Papers: AIS Transactions on Human-Computer Interaction

The quality of THCI is affirmed by its inclusion as an “A” journal in the Australian Business Deans Council (ABDC) journal quality list and its acceptance rate of 7.61% in 2020 (excluding special issues). The AIS Special Interest Group on Human-Computer Interaction (SIGHCI, <http://sighci.org/>) is the official sponsor of THCI. THCI is one of the journals in the AIS (Association for Information Systems) e-library at <http://aisel.aisnet.org/thci>.

THCI is a high-quality peer-reviewed international scholarly journal on Human-Computer Interaction. As an AIS journal, THCI is oriented to the Information Systems community, emphasizing HCI/UX applications in business, managerial, organizational, and cultural contexts. However, it is open to all related communities that share intellectual interests in HCI phenomena and issues. The editorial objective is to enhance and communicate knowledge about the interplay among humans, information, technologies, and tasks in order to guide the development and use of human-centered Information and Communication Technologies (ICT) and services for individuals, groups, organizations, and communities.

To increase awareness and readership, THCI is still freely available to the public, which is beneficial to the authors and the community. You can find information related to all aspects of THCI at its website (<http://aisel.aisnet.org/thci>), including how to submit manuscripts for publication consideration.

Topics of interest to THCI include but are not limited to the following:

- Behavioral, cognitive, motivational and affective aspects of human and technology interaction
- User task analysis and modeling; fit between representations and task types
- Digital documents/genres; human information seeking and web navigation behaviors; human information interaction; information visualization
- Social media; social computing; virtual communities
- Behavioral information security and information assurance; privacy and trust in human technology interaction
- User interface design and evaluation for various applications in business, managerial, organizational, educational, social, cultural, non-work, and other domains
- Integrated and/or innovative approaches, guidelines, and standards or metrics for human centered analysis, design, construction, evaluation, and use of interactive devices and information systems
- Information systems usability engineering; universal usability
- Impact of interfaces/information technology on people's attitude, behavior, performance, perception, and productivity
- Implications and consequences of technological change on individuals, groups, society, and socio-technical units
- Software learning and training issues such as perceptual, cognitive, and motivational aspects of learning
- Gender and information technology
- The elderly, the young, and special needs populations for new applications, modalities, and multimedia interaction
- Issues in HCI education

The language for the journal is English. The audience includes international scholars and practitioners who conduct research on issues related to the objectives of the journal. The publication frequency is quarterly: 4 issues per year in March, June, September, and December.

Call for Items: AIS SIGHCI Newsletter Volume 20, Issue 1

You are invited to offer items to the coming issue of AIS SIGHCI newsletter (Volume 20, Issue 1), to be published in September 2021. All items will be editorial reviewed. If you are interested, please send your pieces to the newsletter editor Prateek Jain (newsletter@sighci.org) by August 25, 2021. Possible topics include, but are not limited to, the following:

1. Short essay/opinion/research study (800 – 1700 words)
2. HCI book review (800 – 1700 words). Please feel free to contact the editor beforehand if you intend to review a book or if you wish your own book to be reviewed.
3. Teaching HCI (up to 1700 words): teaching ideas or cases, sample syllabus, etc.
4. Industry voice (800 – 1700 words). We welcome HCI related essays from industry professionals.
5. Brief introduction of HCI research tools (up to 300 words).
- Brief introduction of interesting HCI journals and/or special issues, including citation information, brief description, table of content (for special issues), etc.
7. CFP for HCI related journals or conferences.
8. News about SIGHCI members (up to 300 words for each item): honors and awards, professional activities, new appointments, interesting projects, new books or publications, etc.
9. Any other announcements (up to 300 words for each item).

To view previous newsletter issues, please visit <http://sighci.org/index.php?page=newsletters>



Save the Dates

SIGHCI-Sponsored Activities & Events		
ECIS 2021	Marrakech, Morocco	June 14-16, 2021
PACIS 2021	Dubai, U.A.E.	June 20-24, 2021
HCIBGO 2021	Washington DC, USA (Now Virtual)	July 24-29, 2021
AMCIS 2021	Virtual Conference	August 9-13, 2021
SIGHCI website: http://sighci.org/		

SIGHCI Sponsors

SIGHCI would like to express its sincere appreciation to the following sponsors. The many past and future SIGHCI activities would not be possible without their generous support.

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