CURRICULUM VITAE

HELENA M. MENTIS

EDUCATION

Ph.D.	2010	Pennsylvania State University, Information Sciences and Technology
M.S.	2004	Cornell University, Communication; Cognitive Science Minor
B.S.	2000	Virginia Polytechnic Institute and State University, Psychology

Experience in Higher Education

2013 – current	University of Maryland, Baltimore County, Assistant Professor, Information Systems
2012 – 2013	Harvard Medical School, Research Fellow, Surgery
2010 – 2012	Corpus Christi College, University of Cambridge, Fellow, Computer Science

Experience in Other than Higher Education

2012-2013	Cambridge Health Alliance, Research Coordinator
2010-2012	Microsoft Research, Postdoctoral Researcher
2009-2010	Swedish Institute of Computer Science, ERCIM Postdoctoral Fellow
2003-2009	Lockheed Martin, Senior Systems Engineer
2000-2001	Philips Research, Researcher

Honors Received

2010	FAS Marie Curie International Postdoctoral Fellowship
2010	NSF Computing Innovation Fellowship
2009	European Research Consortium for Informatics and Mathematics Fellowship
2003	Cornell University Cognitive Studies Summer Research Fellowship

RESEARCH SUPPORT AND/OR FELLOWSHIPS

External ($835,977)

2016 – 2021	$518,121, National Science Foundation (NSF), PI:Helena Mentis, IIS-1552837 *CAREER: Collaborative Image Manipulation and Annotation in Surgical Telemedicine*
2014 – 2017	$296,506, National Science Foundation (NSF), PI:Helena Mentis, IIS-1422671 *CHS: Small: Gestural Image Annotation Systems in Coordinated Surgical Practice*
2014 – 2015	$21,350, National Science Foundation (NSF), PI:Helena Mentis, IIS-1506889 *WORKSHOP: Computer Supported Cooperative Work 2015 Doctoral Research Colloquium*

Internal ($56,386)

2016 – 2017	$29,886.00, UMBC CoEIT Strategic Plan Implementation Grant Program, PI: Wayne Lutters, coPIs: Stacy Branham, Amy Hurst, Andrea Kleinsmith, Anita Komlodi, Ravi Kuber, Helena Mentis *Revitalizing the COEIT User Studies Labs*
2016 – 2017	$5000, UMBC CoEIT Strategic Plan Implementation Grant Program, PI: Amy Hurst, coPIs: Andrea Kleinsmith, Anita Komlodi, Ravi Kuber, Wayne Lutters, Helena Mentis *Proposal to Join the Human-Computer Interaction Consortium (HCIC)*
2014 – 2016	$1,500, UMBC Undergraduate Research Assistantship Support (URAS), PI:Helena Mentis *Comparing Movement Sensors*
2014 – 2016	$20,000, UMBC Special Research Assistantship/Initiative Support (SRAIS), PI:Helena Mentis

Assessing the Validity of Vision-Based Body Tracking for Gait Analysis

Ph.D. Students

Committee Chair

Galina Madjaroff, Human-Centered Computing, in progress-post comps, expected May 2018
Yuanyuan Feng, Information Systems, in progress-post comps, expected December 2018
Rita Shewbridge, Human-Centered Computing, in progress-post comps, expected December 2018
Kyle Althoff, Information Systems, in progress-3rd year
Christopher Wong, Human-Centered Computing-pre comps, in progress-2nd year
Adegboyega Akinsiku, Human-Centered Computing-pre comps, in progress-1st year

Committee Member

Alyson Young, graduated August 2015, Committee Member
Michele Williams, graduated December 2015, Committee Member
Kelley Gurley, graduated May 2016, Committee Member
Patrick Carrington, in progress-anticipated August 2017, Committee Member
Erin Buehler, in progress-anticipated August 2017, Committee Member

PUBLICATIONS, PRESENTATIONS, AND CREATIVE ACHIEVEMENTS

Publications

It is the convention in my field for the primary author's name to appear first. If the authors contributed equally, then names are listed in alphabetical order. For joint work with a student, my standard practice is to list the student's name(s) first if they significantly contributed to the paper – students are notated with an asterisk (*) in the list below. I often include my medical collaborators on my papers although they often do not significantly contribute to the writing of the papers – medical collaborators are notated with a dagger (†) in the list below.

Peer-Reviewed Works

The top conferences in Human-Computer Interaction (HCI) are highly selective Association for Computing Machinery (ACM) conferences intended for archival papers. These conferences exceed many HCI journals in their selectivity, visibility, and impact with typical acceptance rates ranging from 20% to 30%. For a study of the impact of ACM conference proceedings, see *Conference Paper Selectivity and Impact*: http://dl.acm.org/citation.cfm?id=1743546.1743569. In the following, I have sub-grouped these proceedings as "Highly Selective Conference Papers" and indicated acceptance rates when they were made publicly available.

Journal Articles

*Feng, Y, *Wong, C.K., Janeja, V., Kuber, R., **Mentis, H.M** (2017). Comparison of tri-axial accelerometers step-count accuracy in slow walking conditions. *Gait & Posture, 53,* 11-16.

*O'Kane, A. A., *Park, S. Y., **Mentis, H.**, Blandford, A., & Chen, Y. (2016). Turning to Peers: Integrating Understanding of the Self, the Condition, and Others' Experiences in Making Sense of Complex Chronic Conditions. *Computer Supported Cooperative Work (CSCW), 25*(6), 477-501. DOI:10.1007/s10606-016-9260-y

Chellali, A., **Mentis, H.**, Miller, A., Ahn, W., Arikatla, V. S., Sankaranarayanan, G., De, S., †Schwaitzberg, S., & Cao, C. G. (2016). Achieving interface and environment fidelity in the Virtual Basic Laparoscopic Surgical Trainer. *International Journal of Human-Computer Studies, 96*, 22-37.

*Feng, Y., *Wong, C., †Park, A., & **Mentis, H.** (2016). Taxonomy of instructions given to residents in laparoscopic cholecystectomy. *Surgical endoscopy, 30*(3), 1073-1077. DOI:10.1007/s00464-015-4300-0

Mentis, H.M., *Shewbridge, R., †Powell, S., †Armstrong, M., †Fishman, P., & †Shulman, L. (2016). Co-Interpreting Movement with Sensors: Assessing Parkinson's Patients' Deep Brain Stimulation Programming. *Human–Computer Interaction, 31*(3-4), 227-260. DOI: 10.1080/07370024.2015.1073592

Mentis, H.M., Chellali, A., †Manser, K., Cao, C.G.L., & †Schwaitzberg, S.D. (2016). A systematic review of the effect of distraction on surgeon performance: Directions for operating room policy and surgical training. *Surgical Endoscopy, 30*(5), 1713-1724. DOI:10.1007/s00464-015-4443-z

Morrison, C., Culmer, P., **Mentis, H.**, & Pincus, T. (2016). Vision-based body tracking: turning Kinect into a clinical tool. *Disability and Rehabilitation: Assistive Technology, 11*(6), 516-520. DOI:10.3109/17483107.2014.989419

Blandford, A., Berndt, E., Catchpole, K., Furniss, D., Mayer, A., **Mentis, H.**, O'Kane, A., Owen, T., Rajkomar, A., & Randell, R. (2015). Strategies for conducting situated studies of technology use in hospitals. *Cognition Technology & Work, 17*(4), 489-502. DOI:10.1007/s10111-014-0318-7

Mentis, H., Laaksolahti, J., & Höök, K. (2014). My Self and You: Tension in Bodily Sharing of Experience. *ACM Transactions on Computer-Human Interaction (TOCHI), 21*(4), article 20.

O'Hara, K., Gonzalez, G., †Carrell, T., Sellen, A., †Penney, G., **Mentis, H.**, Criminisi, A., Corish, R., Rouncefield, M., †Dastur, N., & †Varnavas, A. (2014). Interactional Order and Constructed Ways of Seeing with Touchless Imaging Systems in Surgery. *Computer Supported Cooperative Work (CSCW), 23*(3), pp.299-337.

O'Hara, K., Gonzalez, G., Sellen, A., †Penney, G., †Varnavas, A., **Mentis, H.**, Criminisi, A., Corish, R., Rouncefield, M., †Dastur, N., & †Carrell, T. (2014, January). Touchless interaction in surgery. *Communications of the ACM (CACM), 57*(1), 70-77.

O'Hara, K., Harper, R., **Mentis, H.M.**, Sellen, A., & Taylor, A. (2013). On the naturalness of touchless: Putting the "interaction" back into NUI. *ACM Transactions on Computer-Human Interaction (TOCHI), 20*(1), article 5.

Mentis, H.M., Reddy, M., & Rosson, M.B. (2013). Concealment of emotion in an emergency room: Expanding design for emotion awareness. *Computer Supported Cooperative Work (CSCW), 22*(1), pp.33-63.

Convertino, G., **Mentis, H.M.**, Slavkovic, A., Rosson, M.B., & Carroll, J.M (2011). Supporting knowledge sharing and activity awareness in distributed emergency management planning: A design research project. *ACM Transactions on Computer-Human Interaction (TOCHI), 18*(4), pp.22:1-22:34.

Highly Selective Conference Papers

Mentis, H.M., Komlodi, A., †Schrader, K., †Phipps, M., †Gruber-Baldini, A., †Yarbrough, K., & †Shulman, L. (2017). Crafting a view of self-tracking data in the clinical visit. *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI),* Denver, Colorado, (pp. xxx-xxx), New York: ACM. (25% acceptance rate.)

*Feng, Y. & **Mentis, H.** (2016). Supporting Common Ground Development in the Operation Room through Information Display Systems. In *AMIA Annual Symposium Proceedings* (Vol. 2016, p. 1234). American Medical Informatics Association.

Mentis, H.M., *Rahim, A., & †Theodore, P. (2016). Crafting the Image in Surgical Telemedicine. *Proceedings of the ACM SIGCHI conference on Computer Supported Cooperative Work & Social Computing (CSCW)*. (25% acceptance rate.) **Best Paper Honorable Mention**

*Carrington, P., *Chang, K., **Mentis, H.**, & Hurst, A. (2015). "But, I don't take steps": Examining the Inaccessibility of Fitness Trackers for Wheelchair Athletes. *Proceedings of the ACM SIGACCESS conference on Computers and accessibility (ASSETS)*. (23% acceptance rate.)

Mentis, H., *Shewbridge, R., †Powell, S., †Fishman, P., & †Shulman, L. (2015). Being seen: Co-Interpreting Parkinson's Patient's Movement Ability in Deep Brain Stimulation Programming. *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI)*, Seoul, South Korea (pp. 511-520), New York:ACM. (23% acceptance rate.)

Mentis, H., Chellali, A., & †Schwaitzberg, S. (2014). Learning to See the Body: Supporting Instructional Practices in Laparoscopic Surgical Procedures. *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI)*, Toronto, ON, Canada (pp. 2113-2122), New York:ACM. (23% acceptance rate.)

Mentis, H.M. & Taylor, A. (2013). Imaging the body: Embodied vision in minimally invasive surgery. *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI)*, Paris, France (pp. 1479-1488), New York: ACM. (20% acceptance rate.) **Best Paper Honorable Mention**

Mentis, H.M. & Johansson, C. (2013). Seeing movement qualities. *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI)*, Paris, France (pp. 3375-3384), New York: ACM. (20% acceptance rate.)

Vongsathorn, L., O'Hara, K., & **Mentis, H.M.** (2013). Bodily interaction in the dark. *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI)*, Paris, France (pp. 1275-1278), New York: ACM. (20% acceptance rate.)

Harper, R. & **Mentis, H.M.** (2013). The mocking gaze: The social organization of Kinect use. *Proceedings of the ACM SIGCHI Conference on Computer Supported Cooperative Work (CSCW)*, San Antonio, Texas (pp. 167-180), New York: ACM. (35.6% acceptance rate.)

O'Kane, A., **Mentis, H.M.**, & Thereska, E. (2013). Non-static nature of patient consent: Shifting privacy perspectives in health information sharing. *Proceedings of the ACM SIGCHI Conference on Computer Supported Cooperative Work (CSCW)*, San Antonio, Texas (pp. 553-562), New York: ACM. (35.6% acceptance rate.)

Mentis, H.M., O'Hara, K., Sellen, A., & †Trevedi, R. (2012). Interaction proxemics and image use in neurosurgery. *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI)*, Austin, Texas (pp. 927-936), New York: ACM. (23% acceptance rate.)

Fothergill, J., **Mentis, H.M.**, Nowozin, S., & Kohli, P. (2012). Instructing people for training gestural interactive systems. *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI)*, Austin, Texas (pp. 1737-1746), New York: ACM. (23% acceptance rate.)

Mentis, H.M., Lindley, S., Dunphy, P., Taylor, S., Regan, T., & Harper, R. (2012). Taking as an act of sharing. *Proceedings of the ACM SIGCHI Conference on Computer Supported Cooperative Work (CSCW)*, Seattle, Washington, (pp. 1091-1100), New York: ACM. (39.5% acceptance rate.)

Mentis, H.M., Reddy, M.C., & Rosson, M.B. (2010). Invisible emotion: Information and interaction in an emergency room. *Proceedings of the ACM SIGCHI Conference on Computer Supported Cooperative Work (CSCW)*, Savannah, Georgia, (pp. 311-320), New York: ACM. (20% acceptance rate.)

Mentis, H.M., Hoffman, B., Bach, P., Rosson, M.B., & Carroll, J.M. (2009). Development of decision rationale in complex group decision making. *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI)*, Boston, Massachusetts. (pp. 1341-1350), New York: ACM. (25% acceptance rate.)

Convertino, G., **Mentis, H.M.**, Rosson, M.B., Slavkovic, A., & Carroll, J.M. (2009). Supporting content and process common ground in computer-supported teamwork. *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI)*, Boston, Massachusetts, (pp. 2339-2348), New York: ACM. (25% acceptance rate.)

Convertino, G., **Mentis, H.M.**, Bhambare, P., Ferro, C., Carroll, J. M., & Rosson, M.B. (2008). Comparing media in emergency planning. *Proceedings of the International Conference on Information Systems for Crisis Response and Management (ISCRAM)*, Washington, DC, (pp. 632-641).

Convertino, G., **Mentis, H. M.**, Rosson, M.B., Carroll, J.M., Slavkovic, A., & Ganoe, C. (2008). Articulating common ground in cooperative work: Content and process. *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI)*, Florence, Italy. (pp. 1637-1646), New York: ACM. (22% acceptance rate.)

Convertino, G., **Mentis, H.M.**, Carroll, J.M., & Rosson, M.B. (2007). How does common ground increase? *Proceedings of the ACM SIGCHI Conference on Supporting Groupwork (GROUP)*, Sanibel Island, Florida, (pp. 225-228), New York: ACM. (29% acceptance rate.)

Carroll, J.M., **Mentis, H.M.**, Convertino, G., Rosson, M.B., Ganoe, C.H., Sinha, H., & Zhao, D. (2007). Prototyping collaborative geospatial emergency planning. *Proceedings of the 4th International Conference on Information Systems for Crisis Response and Management (ISCRAM)*, Delft, the Netherlands, (pp. 105-113).

Foucault, B., **Mentis, H.M.**, Sengers, P., & Welles, D. (2007). Provoking sociability. *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI)*, San Jose, Ca., (pp. 1557-1560), New York: ACM. (25% acceptance rate.)

Mentis, H. M. & Gay, G. K. (2002). Using TouchPad pressure to detect negative affect. *Proceedings of the IEEE International Conference on Multimodal Interfaces (ICMI)*, Pittsburgh, Pa, (pp. 406-410). (35% acceptance rate.)

Non-Peer-Reviewed Works

Books

Furniss, D., O'Kane, A., Randell, R., Taneva, S., **Mentis, H.**, Blandford, A. (2015). *Fieldwork for healthcare: Guidance for investigating human factors in computer systems*. Synthesis Lectures on Assistive, Rehabilitative, and Health-Preserving Technologies. San Rafael, CA: Morgan & Claypool Publishers.

Furniss, D., O'Kane, A., Randell, R., Taneva, S., **Mentis, H.**, Blandford, A. (2014). *Fieldwork for healthcare: Case studies investigating human factors in computing systems*. Synthesis Lectures on Assistive, Rehabilitative, and Health-Preserving Technologies. San Rafael, CA: Morgan & Claypool Publishers.

Book Chapters

Mentis, H., Taneva, S., Blandford, A., Furniss, D., Ratwani, R., & Randell, R. (2015). Impact in fieldwork for healthcare: Understanding impact on researchers, research, practice and beyond. In D. Furniss et al. (Eds.), *Fieldwork for Healthcare: Guidance for investigating human factors in computer systems* (p.89-106). San Rafael, CA: Morgan & Claypool Publishers.

Furniss, D., Randell, R., Taneva, S., **Mentis, H.**, Wolstenholme, D., Dearden, A., O'Kane, A., & Blandford, A. (2015). Ethics, governance and patient & public involvement in healthcare. In D. Furniss et al. (Eds.), *Fieldwork for Healthcare: Guidance for investigating human factors in computer systems* (p.1-22). San Rafael, CA: Morgan & Claypool Publishers.

Carroll, J., Rosson, M.B., Ganoe, C.H., Borge, M., Burge, J.D., Farooq, U., Convertino, G., Bach, P.M., **Mentis, H.**, & Jiang, H. (2009). Activity awareness and complex teamwork. In K.E. Carettas (Ed.), *Outsourcing, Teamwork and Business Management* (pp. 47-72). Hauppauge, NY:Nova Science Publishers, Inc.

Mentis, H. M. (2007). Memory of frustrating experiences. In D. Nahl & D. Bilal (Eds.), *Information and Emotion* (pp. 197-210). Medford, NJ: Information Today.

Carroll, J. M. & **Mentis, H. M.** (2007). The useful interface experience: The role and transformation of usability. In H. N. J. Schifferstein & P. Hekkert (Eds.), *Product Experience* (pp. 499-514). San Diego, CA: Elsevier.

Works Submitted

Journal Articles

[*]Uchidiuno, U., [*]Feng, Y., [†]Zahiri, H.R., [†]George, I., [†]Park, A., & **Mentis, H.** (submitted for publication). Efficiency and Accuracy of Kinect and Leap Motion Devices Compared to the Mouse for Intraoperative Image Manipulation. *Journal of American Medical Informatics Association*.

<u>Presentations</u>

The following presentations are in addition to the accompanying presentation of the papers listed under Highly Selective Conference Papers. The presenters for each presentation or poster are underlined.

Conference Presentations (Refereed)

*Uchidiuno, U., *Feng, Y., †Zahiri, H., †George, I., †Park, A., & **Mentis, H.** (2015). Efficiency and Accuracy of Kinect and Leap Motion devices Compared to the Mouse for Intraoperative Image Manipulation. *Presented at the American Medical Informatics Association (AMIA) Annual Symposium*.

Mentis, H.M., O'Hara, K., Gonzalez, G., Sellen, A., Corish, R., Criminisi, A., †Trivedi, R., & †Theodore, P. (April, 2015). Voice or Gesture in the Operating Room. *Extended Abstracts of the Conference on Human Factors in Computing Systems (CHI)*, Seoul, South Korea, (pp. 773-780), New York: ACM.

Mentis, H.M., Thimbleby, H., Kientz, J.A., Hayes, G.R., & Reddy, M. (May, 2011). Interactive technologies for health special interest group. *Extended Abstracts of the Conference on Human Factors in Computing Systems (CHI)*, Vancouver, Canada, (pp. 519-522), New York: ACM.

Hoeft, R.M. & **Mentis, H.M.** (October, 2009). Beyond user-centered design: Applicable concepts from complementary approaches. In The Human Factors and Ergonomics Society (Ed.), Proceedings of the 53rd Annual Meeting of the Human Factors and Ergonomics Society, San Antonio, Texas, (pp. 1844-1848). Santa Monica, CA: The Human Factors and Ergonomics Society.

Mentis, H. M. & Hoeft, R. M. (March, 2009). Where are we? One company's collective interpretation of HSI in the SE process. Proc. of the 2009 Human Systems Integration Symposium, Annapolis, MD.

Hoeft, R. M. & **Mentis, H. M.** (March, 2009). The next generation warfighters = the net generation: Implications for the development and implementation of training technologies. Proceedings of the 2009 Human Systems Integration Symposium, Annapolis, Md.

Mentis, H.M. & Gay, G.K. (April, 2003). User recalled occurrences of usability errors: Implications on the user experience. Extended Abstracts of the Conference on Human Factors in Computing Systems (CHI), Ft. Lauderdale, Fl. (pp. 736-737), New York: ACM.

Poster Presentations (Refereed)

*Feng, Y., †Zahiri, H., & **Mentis, H.M.** (November, 2015). Challenges for Residents in Following Instruction in Laparoscopic Surgery. *Presented at the American Medical Informatics Association (AMIA) Annual Symposium*.

†Rahim, A.A., †Theodore, P.R., & **Mentis, H.M.** (April, 2015). Operating room telemedicine: A study of Google Glass in transplant surgery. *Proceedings of the Society for American Gastrointestinal Endoscopic Surgeons 2015 Annual Meeting*.

*Feng, Y., *Wong, C., **Mentis, H.M.**, & †Park, A. (April, 2015). Taxonomy of instructions given to residents in laparoscopic cholecystectomy. *Proceedings of the Society for American Gastrointestinal Endoscopic Surgeons 2015 Annual Meeting*.

Mentis, H.M., †Rahim, A., & †Theodore, P.R. (April, 2015). Referencing CT scans through a headmounted optical display during laparoscopic surgery. *Proceedings of the Society for American Gastrointestinal Endoscopic Surgeons 2015 Annual Meeting*.

*Wong, C., *Feng, Y., **Mentis, H.M.**, Chellali, A., †Zahiri, H., & †Park, A. (April, 2015). Using Hierarchical Task Analysis to Incorporate Decision-Making Into Simulation-Based Laparoscopic Training. *Human Factors and Ergonomics in Health Care.*

O'Kane, A. & **Mentis, H.M.** (May, 2012). Sharing medical data vs. health knowledge in chronic illness care. *Extended Abstracts of the Conference on Human Factors in Computing Systems (CHI)*, Austin, TX, (pp. 2417-2422), New York: ACM.

Mentis, H.M. & Rosson, M.B (April, 2009). "It's like a circus in here!" Affect and information sharing in an emergency department. Extended Abstracts of the Conference on Human Factors in Computing Systems (CHI), Boston, MA, (pp. 4423-4428), New York: ACM.

Convertino, G., **Mentis, H.**, Ting, A., Ferro, C., Carroll, J. M. (July, 2007). Measuring common ground in geo-collaboration. Proceedings of the 12th International Conference on Human-Computer Interaction (HCII), Beijing, China, New York: Springer.

Devlin, R. C. & **Mentis, H. M.** (April, 2005). Advanced tracking and correlation algorithms: Applying GOTS algorithms in COTS systems. Proceedings of the Conference on Working Together: R&D Partnerships in Homeland Security, Boston, Ma.

Lacava, D. & **Mentis, H. M.** (July, 2005). Beginning design without a user: Application of scenario-based design. Proceedings of the 11th International Conference on Human-Computer Interaction (HCII), Las Vegas, NV.

Other Professional Presentations

Workshops

[*]Feng, Y., [*]Wong, C., & **Mentis, H.M.** (2014). Direction-giving to Residents in Laparoscopic Surgery. Presented at the AMIA Workshop on Interactive Systems in Healthcare (WISH). [Refereed]

[*]Shewbridge, R., **Mentis, H.M.**, [*]Pharr, C., [†]Powell, S., [†]Fishman, P., [†]Armstrong, M., & [†]Shulman, L. (2014). Getting in Sync: Health and Digital Literacy in Patient Deep Brain Stimulation Device Use. Presented at the AMIA Workshop on Interactive Systems in Healthcare (WISH). [Refereed]

Mentis, H. (2012). Pushing the Boundaries of Intraoperative Image Use. Presented at the AMIA 2012 Workshop on Interactive Systems in Healthcare (WISH). [Refereed]

O'Kane, A.A. & **Mentis, H.M.** (2012). Sharing Health Information in the Care of Diabetes. Presented at the CHI 2012 Workshop on Bridging Clinical and Non-Clinical Health Practice: Opportunities and Challenges.

Mentis, H. (2010). Complementing informatization: Engaging socio-affective practices in healthcare information technology. Presented at the CHI 2010 Workshop on Interactive Systems in Healthcare (WISH). [Refereed]

Mentis, H. (2010). Affective healthcare experiences. Presented at the CSCW 2010 Workshop on CSCW Research in Healthcare: Past, Present, and Future.

Cramer, H., **Mentis, H.**, Fernaeus, Y. (2010). Playful experiences. Presented at the CSCW 2010 Workshop on Fun, seriously?

Mentis, H. (2008). Ethnographic methods for studying emotions in group contexts. Presented at the CHI 2008 Workshop on Measuring Affect in HCI: Going Beyond the Individual.

Mentis, H. M. (2005). Insight into strong emotional experiences through memory. Presented at the CHI 2005 Workshop on Evaluating Affective Interfaces.

Invited Talks and Panels

"Crafting the Image in Surgery," University of California San Diego Design Lab Studio Session, February 7, 2017.

"Crafting the Image in Surgery," Uppsala University Seminar, June 9, 2016.

"Bringing the Kinect to the Operating Room," USC Beaufort Student Research & Scholarship Day, April 18, 2016.

"Co-Interpreting Movement with Sensors: Assessing Parkinson's Patients' Deep Brain Stimulation Programming," University of Washington Biomedical and Health Informatics Lecture Series, February 26, 2016.

"Crafting the Image in Surgical Telemedicine," University of Washington DUB Seminar, February 24, 2016.

"Surgical Practices in Referencing Images in Collaboration and Instruction," Imaging and Interaction in Medical Practice, February 28, 2015.

"Person-Centered Technologies for Healthy and Connected Aging," Invited Talk for ProAging, October 10, 2014.

"Interpreting Kinect and Google Glass for Surgical Practice," Invited Talk for GE Global Research, July 15, 2014.

"Seeing Movement Ability: Commercial Technologies for Supporting Clinical Assessment and Patient Empowerment," Invited Talk for Claude D. Pepper Center Research Series, University of Pittsburgh, March 17, 2014.

"Tracking the Body in Healthcare," Invited Talk for University of Maryland Human Computer Interaction Lab, January 30, 2014.

"Embracing Methodological Challenges in Clinical Systems Fieldwork," Panel for Workshop on Interactive Systems in Healthcare, November 16, 2013.

"Monitoring Progressive Disease Health Behavior in the Home for Palliative Care," Invited Talk for MSR Body Tracking in Healthcare, November 12, 2013.

"Seeing the Body: Issues in Automated Sensing of Movement Disorders," Invited Panel for Wireless Health, November 3, 2013.

"Realizing Touchless Interaction in the Operating Theatre," Invited Talk for Cambridge Wireless User Experience SIG, New Forms of Interaction – Don't Touch!, July 12, 2012.

"Realizing Touchless Interaction in the Operating Theatre," Invited Talk for Microsoft Research Cambridge PhD Summer School, July 03, 2012.

"Interacting without Touch," Invited Talk for the Faculty of Politics, Psychology, Sociology and International Studies, University of Cambridge, May 25, 2012.

"Third Wave HCI and Gestural Interaction," Invited Talk for the Computer Laboratory, Cambridge University, Cambridge, UK, February 2011.

"Third Wave HCI and the Body," Invited Talk for The Gerard Duveen Social Sciences Society, Corpus Christi College, Cambridge University, Cambridge, UK, February 2011.

"Tensions in Designing for the Expression of Emotion," Invited Talk for Microsoft Research Cambridge, Cambridge, UK, June 2010.

"The Challenges of Invisible Emotions," Invited Talk for Aarhus University Computer Science Department, Aarhus, Denmark, March 2010.

"Invisible emotion: Information and interaction in an emergency room," Guest Lecturer in undergraduate level CSCW course in the Department of Information and Media Studies at Aarhus University, Aarhus, Denmark, March 2010.

"Seriously Emotional: Designing for Emotion in the Workplace," Guest Lecturer in graduate level Affective Interactions course in the Department of Computer Science at Stockholm University, Kista, Sweden, April 2010.

"Invisible Emotions: Designing for Critical Information," Invited Talk for the Mobile Life Centre at the Swedish Institute of Computer Science, Kista, Sweden, May 2009.

"Expanding Usability: Experience, Emotions, and Fun," Guest Lecturer in undergraduate level Usability Engineering course in the College of Information Sciences and Technology at The Pennsylvania State University, University Park, Pa, USA, February 2008.

"HCI in the Workplace," Invited Talk for Cornell SIGCHI Distinguished Lectureship Series, Ithaca, NY, USA, February 2004.

Media Interviews

Macleod, J. S. (2014, August). A boomer's guide to 65. Baltimore Magazine.
Knight, M. (2012, August 16). Xbox Kinect hacks set innovation in motion. CNN Tech, Edge of Discovery.
Brimelow, A. (2012, May 31). Trial of "touchless" gaming technology in surgery. BBC News, Health.
Brimelow, A. (2012, May 31). Touchless technology put to test by surgeons. BBC News. [TV]
Campbell, M. (2012, May 17). Kinect imaging lets surgeons keep their focus. New Scientist, Tech.
Tu, J.I. (2012, March 7). Microsoft's TechFest Trots Out 'What is Now Possible' for Computers. The Seattle Times, Business/Technology.
Clapaud, A. (2012, March 7). Microsoft Installe Kinect Dans les Salles D'operation. 01net. [French]
Salman. (2012, March 6). Microsoft Shows Off Kinect-Based Projects at TechFest Research Fair. The Tech Journal.
Foley, M-J. (2012, March 6). Microsoft showcases new Kinect-centric projects at its TechFest Research Fair. ZDNet.

SERVICE TO THE DEPARTMENT, UNIVERSITY, COMMUNITY AND PROFESSION

Service to the Department

2016-2017 IS Department Assessment Committee member
2015-2016 IS Department HCC Graduate Program Committee member
2014-2015 IS Department Search Committee member
2014-2017 Academic advising for IS and HCC Master's students

Service to the Profession

Professional Society Service

2015-present ACM SIGCHI Executive Vice President

National Funding Panel Reviewing

2015, 2016 NSF Proposal Review Panel

Journal Associate Editor

2016-present Computer Supported Cooperative Work
2013-present International Journal of Human Computer Studies
2011-present Personal and Ubiquitous Computing

Conference Program Committee Associate Chair - *Year refers to year of conference*

2014, 2017 ACM Conference on Human Factors in Computing Systems (CHI)
2013, 2014 ACM Conference on Computer-Supported Cooperative Work (CSCW)
2012 ACM Conference on Designing Interactive Systems (DIS)
2012 ACM Conference on Human-Computer Interaction w/ Mobile Devices and Services (MobileHCI)
2009, 2011 ACM Conference on Human Factors in Computing Systems (CHI) Works-in-Progress

Conference Committees - *Year refers to year of conference*

ACM Conference on Human Factors in Computing Systems (CHI)

2016 Late Breaking Work Co-chair
2012 Workshops Co-chair
2008 Communications Co-chair
2007 Conference Chair's Assistant

ACM Conference on Computer-Supported Cooperative Work (CSCW)

2015 Doctoral Colloquium Panel
2014 Best Paper Committee Co-chair
2011 Publications Chair

Workshop on Interactive Systems in Healthcare (WISH)

2016 Steering Committee member
2014 Steering Committee member
2013 Steering Committee member

Medical Professional Society Working Groups

2015-present Society of American Gastrointestinal and Endoscopic Surgeons (SAGES) Committee on Technology and Value Assessment
2015-present SAGES Summit on Surgical Telementoring – Technology Assessment and Guidelines Group

Journal Reviewing

2013-2015 ACM Transactions on Computer-Human Interaction (TOCHI)
2015 Interacting with Computers (IwC)
2015 Disability and Rehabilitation: Assistive Technology
2008-2013 International Journal on Human-Computer Studies (IJHCS)
2012-2013 Journal of Human Computer Interaction (HCI)
2010 International Journal of Medical Informatics (IJMI)
2010 IEEE Transactions on Haptics

Conference Reviewing - Year refers to year of conference

2015 ACM Conference on Interactive Tabletops and Surfaces (ITS)
2015-2016 American Medical Informatics Association (AMIA)
2004-2016 ACM Conference on Human Factors in Computing Systems (CHI)
2006/08/10-16 ACM Conference on Computer-Supported Cooperative Work (CSCW):
2014-2015 ACM Pervasive and Ubiquitous Computing (Ubicomp)
2013-2016 Workshop on Interactive Systems in Healthcare (WISH)
2014 ACM Nordic Conference on Human-Computer Interaction (NordiCHI):
2013-2014 Grace Hopper Celebration of Women in Computing
2010, 2014 ACM Conference on Designing Interactive Systems (DIS)
2012 Pervasive Computing Technologies for Healthcare (Pervasive Health)
2011 Int. Conf. on Human-Computer Interaction with Mobile Devices and Services (MobileHCI)
2009 Information Systems for Crisis Response and Management (ISCRAM)

Membership in Professional Societies

2002-present Association of Computing Machinery (ACM)
2002-present ACM Special Interest Group on Computer-Human Interaction (SIGCHI)
2013-present American Medical Informatics Association (AMIA)
2013-present Society of American Gastrointestinal and Endoscopic Surgeons (SAGES)

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