

Human-Centered Computing: Putting the Human Before Everything Else



Nadir Weibel

Research Assistant Professor, Computer Science and Engineering Research Health Science Specialist, Health Services Research & Development

CURRENT RESEARCH

Using advances in technology to improve healthcare

Experts suggest that there have been more technological improvements in the last 50 years than in the previous 5,000. It has therefore become increasingly important to identify functional ways to use such technologies, and perhaps even more importantly, how to use technologies for the good of society. Dr. Nadir Weibel's work at the University of California, San Diego focuses on Human-Centered Computing and is situated at the intersection of computer science, cognitive science, and the health sciences. He seeks to address specific and daily needs of critical populations in healthcare. He is a computer scientist that believes in putting the human before everything else. He accomplishes this by investigating tools, techniques, and infrastructure supporting the deployment of innovative interactive, multimodal, and tangible devices in context. Additionally, he is also an ethnographer that uses novel methods for studying and quantifying the cognitive consequences of the introduction of this technology in the everyday life.

Dr. Weibel is currently developing theory and methods, designing and implementing prototypes, and evaluating the effectiveness of interactive multimodal physical-digital systems such as pen-based and touch-based devices, depth cameras (e.g. Kinect), wearable and ubiquitous computing (e.g. Google Glass), as well as mobile devices and interactive information visualization, to introduce novel ways to support critical settings within the realm of healthcare. In short, his research is an important tool in improving the overall quality of life of patient populations by introducing a variety of novel technology in specific settings and being available to patients and people in need. His research...

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AFFILIATION

 University of California, San Diego

EDUCATION

- B.Sc. in Computer Science and Engineering 2001 ,ETH Zurich
- M.Sc. in Computer Science and Engineering 2003,ETH Zurich
- Ph.D. in Computer Science and Engineering 2009 ,ETH Zurich
- Postdoc in Human-Computer Interaction, Cognitive Science 2012 ,University of California, San Diego

AWARDS

- Best Paper Nominee Award, 2014
- National Institute of Mental Health (NIMH) Interdisciplinary Research Fellowship, 2014
- University of California San Diego Professional Development Award, 2013
- Swiss National Science Foundation (SNF) Fellowship for Advanced Researchers, 2011-2012

RESEARCH AREAS

Health & Wellness, Longevity, Immortality Research

FUNDING REQUEST

Your contributions will support the continued research of Dr. Nadir Weibel as he provides people in need with the most appropriate tools, the right technology and the best interfaces to increase their quality of life and make every single day a better one. Donations will support researchers, students, and interactive technology amounting to \$200K per year for each project ensuring that every year this research continues to yield important results and enables new technology to be developed and studied.