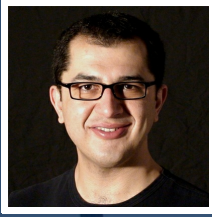


Making Robots an Important Part of our Everyday Lives



Bilge Mutlu
Assistant Professor, Computer Science

CURRENT RESEARCH


Acceptable, intuitive, and desirable technologies for the future

Robotics holds tremendous potential for benefiting every domain of human life. Although this benefit has been limited to very specialized environments such as factories, technology has matured to integrate robotic technologies into the human environment for everyday use. However, this integration cannot be successful without understanding the interaction between robots and humans. Dr. Bilge Mutlu, of the University of Wisconsin-Madison, seeks to enable the creation of acceptable, intuitive, and desirable technologies and their smooth integration by solving technical problems, creating design examples, and mapping out human expectations of and interactions with robotic technologies. By combining computational, human-centered, and design perspectives, he and his team are able to develop new guidelines, methods, and tools that help designers of robotic technologies create products and applications that will revolutionize our future.

Dr. Mutlu's rich background in both industry and academia has prepared him to lead a team of researchers that uniquely bring together computational, behavior, and design perspectives in addition to using methods, tools, and knowledge from these areas. These are necessary components of what are needed to realize robotic technologies that can be integrated into everyday settings. Dr. Mutlu's multi-disciplinary, multi-method perspective uniquely provides the necessary solutions and approaches for addressing problems that are foundational to the blending of our everyday interactions and the future of robotics. Dr. Mutlu expects the next five years to be critical for creating research products that will significantly shape the products and technologies that will find use in everyday...

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AFFILIATION

 University of Wisconsin-Madison

EDUCATION

- Ph.D., in Human-Computer Interactions, 2009 , Carnegie Mellon University
- M.F.A., in Interaction Design, 2004 , Carnegie Mellon University
- M.S., in Industrial Product Design, 2003 , Istanbul Technical University
- B.S., in Industrial Design, 1999 , Middle East Technical University

AWARDS

- Paper Awards at HRI 2008, HRI 2009, HRI 2011, UbiComp 2013, IVA 2013, CHI 2015
- Paper Award Nominations at RSS 2013, HRI 2014
- Allen Newell Award for Research Excellence, Carnegie Mellon University, 2013
- NSF CAREER Award, 2012
- Fulbright Fellowship, 2002

RESEARCH AREAS

Technology, Informational Sciences / Internet, Robotics, Telecommunications

FUNDING REQUEST

Your contributions will support the continued research of Dr. Bilge Mutlu, of University of Wisconsin-Madison, as he enables the design of robotic technologies that are intuitive, acceptable, and desirable for successful integration into day-to-day settings. Donations will fund the necessary \$750K required annually for personnel, research equipment, and lab resources. In choosing to donate, you will play a role in improving robotics in order to benefit every domain of human life.