

# Omer Inan

**Associate Professor, Electrical and Computer Engineering at Georgia Tech College of Engineering**

Atlanta, GA, US

Omer Inan's research focuses on non-invasive physiologic monitoring for human health and performance.

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## Biography

Omer T. Inan received the B.S., M.S., and Ph.D. degrees in electrical engineering from Stanford University, Stanford, CA, in 2004, 2005, and 2009, respectively. He joined ALZA Corporation (A Johnson and Johnson Company) in 2006 as an Engineering Intern in the Drug Device Research and Development Group, where he designed micropower, high efficiency circuits for iontophoretic drug delivery, and researched options for closed-loop drug delivery systems. In 2007, he joined Countryman Associates, Inc., Menlo Park, CA where he was Chief Engineer, involved in designing and developing high-end professional audio circuits and systems. From 2009-2013, he was also a Visiting Scholar in the Department of Electrical Engineering, Stanford University. Since 2013, Dr. Inan is an Assistant Professor of Electrical and Computer Engineering, and Program Faculty in Bioengineering, at the Georgia Institute of Technology. Since 2015, he is also an Adjunct Assistant Professor in Biomedical Engineering. His research focuses on non-invasive physiologic monitoring for human health and performance, and applying novel sensing systems to chronic disease management and pediatric care. He is an Associate Editor of the IEEE Journal of Biomedical and Health Informatics, and is Guest Editor for the same journal on a Special Issue entitled, "Unobtrusive Assessment of the Mechanical Aspects of Cardiovascular Performance." He has published more than 65 technical articles in peer-reviewed international journals and conferences, and has four issued and four pending patents. His group's research is currently funded by DARPA (DoD), NIH (NIA and NIBIB), US Army (CDMRP) Children's Healthcare of Atlanta, and Texas Instruments. Dr. Inan, a Senior Member of IEEE, received the Gerald J. Lieberman Fellowship (Stanford University) in 2008-09 for outstanding scholarship, teaching and service. He received the NASA Ames Research Center Tech Briefs Award in 2011. He is a Three-Time National Collegiate Athletic Association All-American in the discus throw, and a former co-captain of the Stanford University Track and Field Team.

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## Areas of Expertise

Medical Instrumentation, Home Monitoring of Chronic Disease, Medical Devices for Clinically-Relevant Applications, Sports Medicine, Non-invasive Physiological Monitoring, Cardiomechanical Signals

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## Education

**Stanford University**

Ph.D. Electrical Engineering

**Stanford University**  
M.S. Electrical Engineering

**Stanford University**  
B.S. Electrical Engineering

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### **Selected Accomplishments**

**Office of Naval Research Young Investigator Award (ONR YIP)**  
2018

**National Science Foundation CAREER Award**  
2018

**Roger P. Webb ECE Outstanding Junior Faculty Member Award, Georgia Tech**  
2018

**Sigma Xi Young Faculty Award, Georgia Tech**  
2017

**Lockheed Dean's Excellence in Teaching Award, Georgia Tech**  
2016

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