Patrick Mercier

Associate Professor, Electrical and Computer Engineering at UC San Diego
La Jolla, CA, US

Patrick Mercier specializes in low-power electronics for wearable computing.

Biography

Mercier received the B.Sc. degree in electrical and computer engineering from the University of Alberta, Edmonton, AB, Canada, in 2006, and the S.M. and Ph.D. degrees in electrical engineering and computer science from the Massachusetts Institute of Technology (MIT), Cambridge, MA, USA, in 2008 and 2012, respectively. He is currently an associate professor in electrical and computer engineering at the University of California San Diego (UC San Diego), where he is the co-director of the Center for Wearable Sensors and a member of the UC San Diego Center for Wireless Communications. His research interests include the design of energy-efficient microsystems, focusing on the design of RF circuits, power converters, and sensor interfaces for miniaturized systems and biomedical applications. Mercier received a Natural Sciences and Engineering Council of Canada (NSERC) Julie Payette fellowship in 2006, the 2009 IEEE International Solid-State Circuits Conference (ISSCC) Jack Kilby Award for Outstanding Student Paper at ISSCC 2010, a Graduate Teaching Award in Electrical and Computer Engineering at UC San Diego in 2013, the Hellman Fellowship Award in 2014, the Beckman Young Investigator Award in 2015, the DARPA Young Faculty Award in 2015, the UC San Diego Academic Senate Distinguished Teaching Award in 2016, and the NSF CAREER Award in 2018. He has served as an Associate Editor of the IEEE TRANSACTIONS ON VERY LARGE SCALE INTEGRATION from 2015-2017. Since 2013, he has served as an Associated Editor of the IEEE TRANSACTIONS ON BIOMEDICAL INTEGRATED CIRCUITS, and since 2017 has been a member of the ISSCC International Technical Program Committee (Technology Directions Sub-Committee), the CICC Technical Program Committee, and an Associate Editor of the IEEE Solid-State Circuits Letters. Mercier was the co-editor of Ultra-Low-Power Short Range Radios (Springer, 2015) and Power Management Integrated Circuits (CRC Press, 2016).

Areas of Expertise

Wearable Technology, Low Power Electronics for Wearable Computing, Electronics, Wearable Sensing

Affiliations

Center for Wearable Sensors, Center for Wireless Communications

Education

Massachusetts Institute of Technology (MIT)
Ph.D. Electrical Engineering and Computer Science

Massachusetts Institute of Technology (MIT)
S.M. Electrical Engineering and Computer Science

University of Alberta
B.Sc. Electrical and Computer Engineering

Accomplishments

NSF CAREER Award
2018

Biocom Catalyst Award
2017

Natural Sciences and Engineering Council of Canada (NSERC) Julie Payette fellowship
2006

DARPA Young faculty Award
https://www.darpa.mil/attachments/YFAAwardees2006_2015.pdf

Beckman Young Investigator Award
http://www.beckman-foundation.org/beckman-young-investigators/patrick-mercier-ph-d-1

IEEE International Solid-State Circuits Conference (ISSCC) Jack Kilby Award for Outstanding Student Paper at ISSCC 2010
http://efficiency.ucsd.edu/2010/05/mercier-and-colleagues-receive-award-at-isscc-featured-in-discovery-news/

Intel Ph.D. Fellowship
2009
