RICHARD B BROWN

Dean College of Engineering
Professor, Elect & Computer Engineering
Professor, School Of Computing
Adjunct Professor, Bioengineering

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👤 More Contact Information

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Education   **Biography**   **Other (Biography)**

Education

Ph.D., Electrical Engineering, University of Utah. Project: Multiple-Sensor Chemical Transducer

M.S., Electrical Engineering, Brigham Young University. Project: Logic State and Timing Analyzer

B.S., Cum Laude, Highest Honors, Electrical Engineering, Brigham Young University

Biography

Richard B. Brown received his bachelors and masters degrees in electrical engineering from Brigham Young University.   Following graduation, he designed computers and instrumentation in California and Missouri. He returned to school at the University of Utah in 1981 and received an electrical engineering Ph.D. in 1985, at which time he joined the faculty of the University of Michigan Department of Electrical Engineering and Computer Science (EECS) where he developed their highly respected integrated circuit design (VLSI) program.

Prof. Brown has conducted major research projects in the development of sensors (for ions, heavy metals and neurochemicals) and microprocessors (high-performance, low-power, and mixed-signal). He holds 17 patents and has authored more than 200 peer-reviewed publications. He was the Micropower Electronics task leader in the University of Michigan's NSF Wireless Integrated Microsystems Engineering

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Research Statement	Research Keywords	Presentations	Research Groups

Research Keywords

Supercomputers	Integrated Circuits	Chemical Sensors

Presentations

"Growing Engineering for Defense". Society of American Military Engineers Annual Scholarship Awards Banquet, Great Basin Post, Hill Air Force Base, Utah. Invited Talk/Keynote, Presented, 02/12/2014.

Test Presentation. Conference Paper, Refereed, Accepted, 01/01/2014.

Richard B. Brown, "University of Utah College of Engineering," Western ECE Department Chairs' Meeting, Salt Lake City, UT, Sept. 21, 2013. Invited Talk/Keynote, Presented, 09/21/2013.

Richard B. Brown, "Revolutionizing Chemical Sensing with Silicon Sensor Arrays, "Silicon Innovation Forum, SEMICON West Silicon Innovation Forum, July 9, 2013. Conference Paper, Refereed, Presented, 07/09/2013.

Richard B. Brown, "MIcrosystem Technology for Neural Interfaces," Micro/nano Systems and Technology Seminar Series, Auburn University, Auburn, AL. Invited Talk/Keynote, Presented, 10/11/2012.

Randy Bryant, Richard B. Brown, Ronald L. Larsen, Jeffrey S. Vitter, Robert B. Schnabel, and Zvi Galil, "Managing Up - Partnering with your Dean," Panel Discussion, 40th CRA Snowbird Conference, Snowbird, UT. Other, Presented, 07/24/2012.

Richard B. Brown, "Innovation, Entrepreneurism, Jobs & Commerce: Why is the University of Utah so Successful?" Sid Green Alta Club Forum, Salt Lake City, UT. Other, Presented, 04/26/2012.

Richard B. Brown, "Creating a Culture of Entrepreneurship," ASEE Engineering Dean's Institute, Kauai, Hawaii. Invited Talk/Keynote, Presented, 04/17/2012.

http://www.asee.org/sli_brown_entrepreneurship.pdf

Richard B. Brown, "Biosensors for the Brain," SRC/SFI/NSF Forum on Integrated Sensors for Cybersystems - FISC 2030 (by invitation), Carton House, Maynooth, Co. Kildare, Ireland. Invited Talk/Keynote, Presented, 03/22/2012.

http://www.src.org/calendar/e004576/brown.pdf

Richard B. Brown, "Engineering a Healthier World: Helping the dumb to speak, the lame to walk, and the blind to see", BYU-Idaho University Forum, Rexburg ID, November 18, 2010. Invited Talk/Keynote, Presented, 11/18/2010.

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Professional Service   Honors & Awards   Internal Service   Affiliations   In the Media   Other (Service)

Professional Service

Chief Information Officer Search Committee. Member. 07/2014 - present

IEEE Computer Fellows Committee. Committee member. 04/01/2014 - present

IEEE Sensors Fellow Committee. Committee Member. 04/01/2014 - present

IEEE CS Fellows Evaluation Committee. Role: Committee member. Evaluate 2014 Fellows nominees. 02/2014 - present

2014 ASEE Public Policy Colloquium. State Senator. 01/2014 - 01/2015

2014 IEEE Robert N. Noyce Medal . Selection Committee Member. 12/2013 - 09/2014

College Board AP Engineering Committee. Committee Member. 10/2013 - 10/2014

2014 ASEE Engineering Deans' Institute. Organizing Committee Member. 07/2013 - present

Best of State Organization. Judge. 03/21/2013 - 03/21/2013

IEEE Sensor Council Technical Achievement Award . Selection Committee Member. 01/2012 - present

IEEE. Role: Member. Frederick Philips Award Committee. 01/2012 - present

President's Council on Jobs and Competitiveness. Role: Member. Representing the University of Utah. 01/01/2012 - 02/2014

ASEE . Role: Member. ASEE Engineering Deans Council Public Policy Committee . 07/2011 - 07/2012

University of Washington. College of Engineering Visiting Committee member. 11/2010 - present