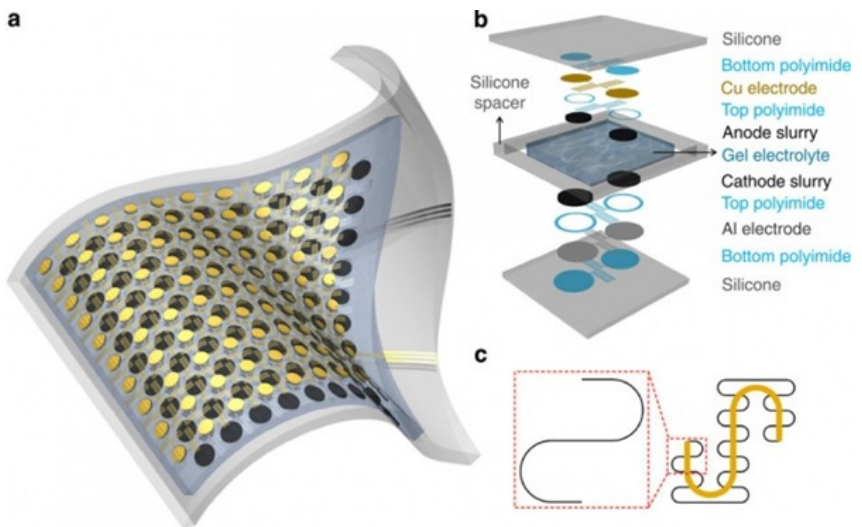




**Professor Yonggang Huang**



Flexible, stretchable battery by Huang & Rogers

From: <http://www.hardwarezone.com.sg/tech-news-stretch-your-battery-literally>

See:

[https://en.wikipedia.org/wiki/Yonggang\\_Huang](https://en.wikipedia.org/wiki/Yonggang_Huang)

[https://scholar.google.com/citations?user=9gk\\_tZUAAAAJ&hl=en](https://scholar.google.com/citations?user=9gk_tZUAAAAJ&hl=en)

<http://www.mccormick.northwestern.edu/mechanical/people/faculty/>

<http://www.mccormick.northwestern.edu/research-faculty/directory/profiles/huang-yonggang.html>

Joseph Cummings Professor of Civil and Environmental Engineering and Mechanical Engineering  
Northwestern University

#### **Education:**

Ph.D. Engineering Science Harvard University, Cambridge, MA

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B.S. Mechanics Peking University, Beijing, China

#### **Biography (from Wikipedia):**

Yonggang Huang received his BS degree in mechanics from Peking University in 1984. He moved to the United States to study engineering science in 1986, and earned his ScM and PhD degrees in engineering science from Harvard University in 1987 and 1990, respectively. He stayed at Harvard as a post-doctoral fellow for one year, and joined the University of Arizona as an assistant professor in 1991. He moved to Michigan Technological University as an associate professor in 1995, and to University of Illinois at Urbana-Champaign (UIUC) in 1998. He was promoted to full professor in 2001, Grayce Wicall Gauthier Professor in 2003, and Shao Lee Soo Professor in 2004, at UIUC. He joined Northwestern University as the Joseph Cummings Professor in 2007.

#### **Career/Awards:**

Yonggang Huang is the Joseph Cumming Professor of Mechanical Engineering and Civil and Environmental Engineering at Northwestern University. He has broad interests in many branches of Engineering Science and

is interested in establishing mechanics models for advanced technology, such as stretchable and flexible electronics, inorganic solar cell, LEDs, cardiac and neural electro-physiological sensors, multifunctional catheters, epidermal electronics and transient electronics. Mechanics provides the scientific and engineering foundations and design guidelines for these stretchable and flexible devices. He has published 1 book and more than 400 journal papers and book chapters, including multi-disciplinary journals *Science* (2006, 2008, 2009, 2010, 2011, 2012, 2013, 2014) and its sister journal *Science Translational Medicine* (2010), *Nature* (2008, 2013) and its sister journals *Nature Materials* (2006, 2008, 2010a,b, 2011, 2013), *Nature Nanotechnology* (2006, 2013), and *Nature Neuroscience* (2011); and journals in physics (e.g., *PRL*), materials (e.g., *Advanced Materials*), nanotechnology (e.g., *Nano Letters*), biology (e.g., *PLoS One*), and >40 papers in the top mechanics *JMPS*. His recent work has been reported by many popular media such as ABC, BBC, Boston Globe, Business Week, CBS, Chicago Tribune, CNN, Discover Magazine, Discovery Channel, FOX, MSNBC, New York Times, Newsweek, Reuters, Scientific American, United Press International, and US News & World Report. His recent awards include the Larson Memorial Award in 2003, Melville Medal in 2004, and Richards Memorial Award in 2010, Drucker Medal in 2013, all from ASME; Young Investigator Medal from the Society of Engineering Sciences in 2006; International Journal of Plasticity Medal in 2007; Guggenheim Fellowship from the John Simon Guggenheim Foundation in 2008; and ISI Highly Cited Researcher in Engineering in 2009 and in Materials Science in 2014. He is a member of European Academy of Sciences and Arts. He held the Grayce Wicall Gauthier Professorship (2003-04), Shao Lee Soo Professorship (2004-07) at the University of Illinois at Urbana-Champaign, the Visiting Clark Millikan Professorship (2005-06) at Caltech, and Honorary Professor at Nanjing University of Posts and Telecommunications. He is the Editor-in-Chief of *Theoretical and Applied Mechanics Letters*, Editor of *Journal of Applied Mechanics* (Transactions of the American Society of Mechanical Engineers), and President of the Society of Engineering Sciences.

#### **Selected Publications:**

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