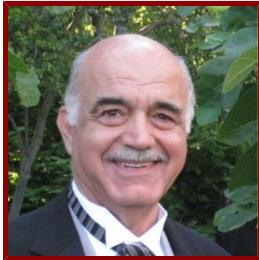


Stanford



Butrus Khuri-Yakub

Professor (Research) of Electrical Engineering, Emeritus

Curriculum Vitae available Online

Bio

BIO

Butrus (Pierre) T. Khuri-Yakub is a Professor of Electrical Engineering at Stanford University. He received the BS degree from the American University of Beirut, the MS degree from Dartmouth College, and the Ph.D. degree from Stanford University, all in electrical engineering. His current research interests include medical ultrasound imaging and therapy, ultrasound neuro-stimulation, chemical/biological sensors, gas flow and energy flow sensing, micromachined ultrasonic transducers, and ultrasonic fluid ejectors. He has authored over 600 publications and has been principal inventor or co-inventor of 107 US and international issued patents. He was awarded the Medal of the City of Bordeaux in 1983 for his contributions to Nondestructive Evaluation, the Distinguished Advisor Award of the School of Engineering at Stanford University in 1987, the Distinguished Lecturer Award of the IEEE UFFC society in 1999, a Stanford University Outstanding Inventor Award in 2004, Distinguished Alumnus Award of the School of Engineering of the American University of Beirut in 2005, Stanford Biodesign Certificate of Appreciation for commitment to educate, mentor and inspire Biodesgin Fellows, 2011, and 2011 recipient of IEEE Rayleigh award.

ACADEMIC APPOINTMENTS

- Professor Emeritus, Electrical Engineering
- Member, Bio-X
- Member, Cardiovascular Institute
- Member, Stanford Cancer Institute
- Member, Wu Tsai Neurosciences Institute

HONORS AND AWARDS

- Rayleigh Award, IEEE (2011)
- Certificate of Appreciation for commitment to educate, mentor and inspire, Stanford Biodesign (2011)
- Distinguished Alumnus, American University of Beirut (2005)
- Outstanding Inventor, Stanford University (2004)
- Distinguished Lecturer, UFFC Group of IEEE (1999)
- Distinguished Engineering Advisor, Stanford University (1987)
- Award for Contributions to Nondestructive Testing, City of Bordeaux (1983)

PROGRAM AFFILIATIONS

- Stanford SystemX Alliance

PROFESSIONAL EDUCATION

- PhD, Stanford University (1975)

- MS, Dartmouth College (1972)
- BS, American University of Beirut (1970)

LINKS

- <https://kyg.stanford.edu>: <https://kyg.stanford.edu>

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Younghun Kim

Doctoral Dissertation Advisor (AC)

Junyi Wang

Doctoral (Program)

William Meng, Alex Toews, Benj Wollant

Publications

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- **CMUTS IN PERMANENT CONTACT OPERATION FOR HIGH OUTPUT PRESSURE**

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Apte, N., Nikoozadeh, A., Khuri-Yakub, B. T., Park, K., Crocker, M. J., Pawelczyk, M., Pedrielli, F., Carletti, E., Luzzi, S.
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● **A Multichannel Oscillator for a Resonant Chemical Sensor System** *IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS*

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