

**MONA ELWAKKAD ZAGHLOUL**  
**Ph.D., Fellow IEEE Life Member**

**POSITION:** Professor, Department of Electrical and Computer Engineering  
Program Director, Engineering Division, ECCS,  
Program Communications, Circuits, Sensors Systems,CCSS.

Director of the Institute for MEMS/NEMS and VLSI Technologies

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**CITIZENSHIP:** U.S.A.

**EDUCATION:** Ph.D. Electrical Engineering, 1975  
University of Waterloo, Waterloo, Ontario, Canada

M. Math. Applied Analysis and Computer Science, 1971  
University of Waterloo, Waterloo, Ontario, Canada

M.A.Sc. Electrical Engineering, 1970  
University of Waterloo, Waterloo, Ontario, Canada

B.Sc. Electrical Engineering, 1965  
Cairo University, Cairo, Egypt

**PROFESSIONAL EXPERIENCE**

**1989-Present** Professor, Department of Electrical and Computer Engineering,  
The George Washington University.

**2014-Present** Program Director, Engineering Division, Communications,  
Circuits, Sensors Systems, 2014-Present.  
The National Science Foundation (IPA).

**2009-2014** Chair, Department of Electrical and Computer Engineering,  
The George Washington University.

**Research Interests:**

Integrated Sensors and Nano devices, process technology to realize MEMS/NEMS devices, novel designs of MEMS/NEMS devices and Nano-sensors, RF-MEMS and MEMS Sensors, and their interface circuits. Biological and Chemical Sensors using Surface Acoustic Wave (SAW)

devices and micro/Nano sensors, Smart Sensors and their interface Integrated circuits, digital and analog RF-CMOS Circuits design and analysis, RF GHz circuits design and their implementations; semiconductor devices, design and simulations. Professor Zaghoul Published over 100 Journal papers, and published over 300 Conference papers.