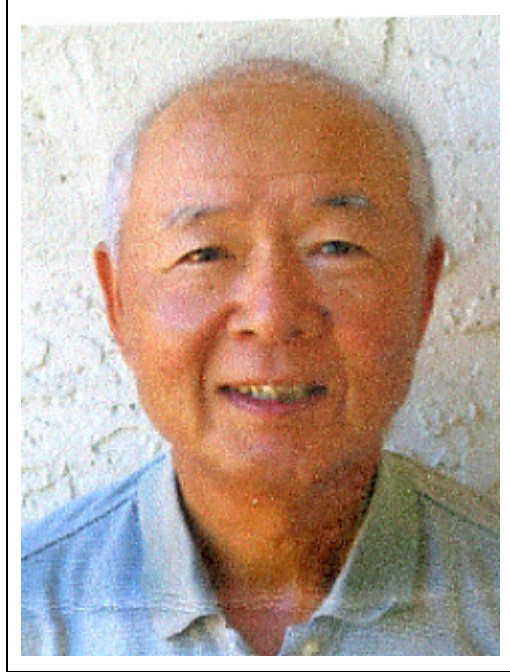


**San José State University Emeritus Faculty Association Biography**

**Name:** Hi-Dong Chai  
**Department:** Electrical Engineering  
**Academic Rank:** Professor  
**Year Retired:** 2002  
**City of Residence:** San José CA



**Facebook Page or Website URL:** none

**Birthplace:** Seoul, Korea      **Birth Year:** 1936

**Marital Status:** Married      **Spouse or Partner's Name:** Phyllis

**Children's Names:** David and Julie

**No. of Grandchildren:** 0      **No. of Great Grandchildren:** 0

<b>Colleges or Universities Attended:</b>	<b>Year</b>	<b>Degree</b>
University of Texas, Austin	1960	BSEE
Ohio State University, Columbus	1962	MSEE
Northeastern University, Boston MA	1968	PhD, EE

<b>Teaching Experience:</b>	<b>From</b>	<b>To</b>
Merrimack College	1962	1965

## San José State University Emeritus Faculty Association Biography

Northeastern University	1965	1968
San José State University	1987	2002

### **Administrative, Business, or Professional Experience (other than teaching):**

IBM, 1968-1987. Started as staff engineer; retired as senior engineer.

### **Selected Publications:**

40 papers presented/published mostly in Incremental Motion Control Systems and Devices Symposium, University of Illinois

'Magnetic Circuit and Formulation of Static Torque for Single-Stack Permanent Magnet and Variable Reluctance Step Motors,' 1973 Incremental Motion Control Systems and Devices Symposium, University of Illinois.

'A Mathematical Model for Single-Stack Step Motors," IEEE Transaction on Power Engineering, 1975.

'Technique for Finding Permeance of Toothed Structures of Arbitrary Geometry," 1976 International Conference and Exhibit on Stepping Motors and Systems, University of Leeds, England.

'Magnetic Calculation of Rotating Machinery Using Moment Method,' 1978 INTERMAG Conference, Florence, Italy.

**Textbook published:** *Electromechanical Motion Devices*, Prentice Hall, 1998.

### **Inventions:**

Out of 10 inventions filed, 7 received patents.

39 invention disclosures were published in the IBM Invention Disclosure Bulletin.

### **Personal Commentary:**

**Date Completed:** December 1, 2010