

**Tseung-  
Yuen**



**Tseng(???)**

Department of Electronics Engineering & Institute of Electronics  
National Chiao-Tung University  
1001 Ta Hsueh Road,  
Hsinchu 300, Taiwan  
Tel: 886-3-5731879  
FAX: 886-3-5724361  
Email: [tseng@cc.nctu.edu.tw](mailto:tseng@cc.nctu.edu.tw)

## **Background**

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- Dean and chair professor of National Taipei University of Technology(2005-present)
- Director of Institute of Engineering Technology of National Taipei University of Technology(2005-present)
- Chair professor of National Chiao-Tung University (2004-present)
- Professor of Dept. of Electronic Engineering of National Chiao-Tung University(1986-present)
- Director of Institute of Electronics, National Chiao-Tung University(2000-2003)
- Associate Professor of Institute of Electronics of National Chiao-Tung University(1983-1986)
- Postdoctoral Research Fellow of Dept. of Materials Science and Engineering of University of Florida, USA(1982-1983)
- Graduate Research Assistant, School of Materials Engineering, Purdue University(1977-1981)
- Ph.D., Electroceramics, Purdue University, USA . January 1982

- M.S., Materials Science & Engineering, Purdue University, USA. December 1978
- Diploma (with first class honors), Metallurgy, Taipei Institute of Technology, June 1973

## Research

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- Science and engineering of ceramics materials and devices.
- Nanoceramics; nanopowders; nanowires and field emission devices;
- ferroelectric, dielectric, semiconducting and conducting oxides;
- high temperature superconducting ceramics;
- structure-composition-property relationships;
- ceramic thin films; passive components;
- multilayer capacitors and varistors;
- ceramic sensors; ferroelectric memories;
- gate dielectrics; resistive memories.

## Introduction

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### Professional Activities

- ?Fellow of American Ceramic Society(1998)
- ?Fellow of International Electrical and Electronics Engineers Institute (IEEE) (2002)
- ?Member of Advisory Committee of 5th Asian Ferroelectrics(2006)
- ?Subcommittee Member of Young Author Award of the Electrochemical Society(2006)
- ?Member of Board of Asian Ferroelectrics Association(2001◆present)
- ?Member of Editorial Board of Journal of Nanoscience & Nanotechnology(2004-2006)
- ?Associate Editor of Journal of Nanoscience & Nanotechnology(2006-present)
- ?External Examiner of PhD oral Examination of City University of Hongkong(2006)
- ?Reviewer for a number of scientific journals(SCI).( 2000-present)
- ?External Reviewer of Grants Proposal for Research Grants Council, HongKong(2004-2006)
- ?Research Grant Refereer of Nanyang Technological University(2005)
- ?External Assessor of Nanyang Technological University(2006)
- ?Member of Organization Committee of the Fourth Asian Meeting on Electroceramics(2005)
- ?Member of International Advisory Committee of the

5th Asian Meeting on Ferroelectrics(2006)

?Member of Board of Experts of the Italian Ministry of Education, University and Scientific Research (2003-2005)

?Member of program committee of the Third Asian Meeting on Ferroelectrics (2000)

?Director of the Institute of Electronics, National Chiao-Tung University, Taiwan(2000-2003)

?Chairman of Symposium on "Electronic Ceramics and Passive Devices" conducted in Department of Electronics Engineering, National Chiao-Tung University(2001)

?Advisor of Advancement Association of Business Manager at Hsinchu(2002-2003)

?Member of Board of the Chinese Ceramic Society(1995-present)

?Member of the Technical Review Board of the National Science Council of Republic of China(1986-present)

?Member of the Technical Review Board of the Economic Ministry of Republic of China(2006-present)

?General Chair of the 6th Asian Meeting on Ferroelectrics.

?Editor of the Handbook of Nanoceramics and Their Based Nanodevices, American Scientific Publishers(2007)

#### Honors, Awards and Fellowships

?Excellent Research Award of National Science Council, Taiwan(1987-1994, 6 times)

?Distinguished Research Award of National Science Council, Taiwan(1995-2001, 3 times, 2 years for each time)

?Fellow of American Ceramic Society(1998)

?Distinguished Contributions Medal of Ceramic Society of R.O.C.(1999)

?Distinguished Electrical Engineering Professor Award of Chinese Electrical Engineering Society(2000)

?Distinguished Research Fellow of National Science Council, Taiwan(2001-present)

?Fellow of International Electrical and Electronics Engineer Institute(IEEE)(2002)

?Hou Chin-Tui Distinguished Honor Award(2002)

?Dr. Sun Yat-Sen Academic Award(2003)

?TECO Technology Award(2004)

?IEEE CPMT Exceptional Technical Achievement Award(2005)

?Distinguished Research Award of Pan Wen Yuan Foundation(2006)

?Academic Award of Ministry of Education of Taiwan, ROC(2006)

#### **Lab. Website or Detailed C.V.**

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