

Education

「心靜身自闕，志遠氣必閒」



**Eamor M. Woo - Professor**

<b>Ph.D.</b>	<b>Ch. E, <i>University of Texas at Austin</i></b>	<b>USA</b>
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B.S.	Ch.E., <i>National Cheng Kung University</i>	Taiwan
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**Research Interests:**

**Experiences:**

**Professor**, Ch.E Dept., National Cheng Kung University, (1992-present).

**Endowed Professor** of NCKU (2002-present).

**Research Interests/Specialty:**

- Polymer physics; crystal morphology; crystallization; thermal properties, phase behavior,
- Polymer blends; miscibility; engineering plastics; structure-property, characterization,
- Epoxy networks; cure kinetics, advanced and nano-composites,
- Nano-structured polymers, polymers for microelectronics.

**Academic Honors/Awards:**

**Research Excellence Award -I** (National Science Council), 1996-1998 (2 consecutive years).

**Research Excellence Award -II** (National Science Council), 1999-2000 (2 consecutive years).

**Research Excellence Award -III** (National Science Council), 2001-2002 (2 consecutive years).

**Research Excellence Award -IV** (National Science Council), 2002-2004 (3 consecutive years).

**NSC-endowed P.I. Research Award** (2005-2007, 3-years).

**NCKU Engineering College - Research Awards (2001 and 2002)**

**Prof. Lai's Memorial Award** for Scholarly Research (1997).

**Education Ministry Award** for Best Doctoral Thesis Advisor (1997).

**NSC Award for Best Undergraduate Students' Paper** (Advisor) (1995).

**Kolin, Inc. Award** for Best Doctoral Thesis Advisor (2003).

**Kolin, Inc. Award** for Best Master's Thesis Advisor (2004).

## International Experiences:

Instructor, August 1989. *Course*: "Thermal Analysis and Viscoelastic Characterization for Polymers and Composites, an International Workshop," held at **Tokyo, Japan**.

Instructor, June 1989. *Course taught*: "Thermal Analysis Workshop," held at University of Washington. (USA).

Special Lecturer, September-December, 1990, *Course taught*: "Polymeric Materials Engineering", open to engineers/ technical employees of the Boeing Company, Seattle, (USA.)

Co-Instructor, 1986, 1988, and 1989, Dept. of Chem. Eng, University of Washington. **Two courses taught**: "Polymer Physics and Engineering" and "Polymer Composites", (USA).

**Senior Specialist Engineer**, Boeing Company (Seattle, USA) 1990-1992.

**Assistant Research Professor**, Univ. of Washington, Ch.E Dept. (Seattle, USA) 1988-1990.

**Visiting Professor**, Dept of Polymer Science, Peking Univ., Beijing, China (July-August, 2001, with Prof. Q. F. Zhou).

**Visiting Professor**, Dept of Polymer Chemistry, Kyoto Univ., Kyoto, Japan. (September – December 2001, with Prof. S. Ito).

## Current Teaching Courses (Graduate & Undergrad. Curriculum):

1. **Polymer Physics (Graduate).**
2. **Instrumental Analysis (Undergraduate/Junior), lecture and laboratory classes.**
3. Mechanical Properties of Polymers (Graduate).
4. Polymers for Microelectronics Applications & Manufacturing (Graduate).



**Research Group members - photo taken 2004**

## **Publications – (as of 2004 year)**

**145 papers** (all refereed and archived), SCI- and EI-indexed in top-ranked scientific journals. (All Publications (SCI- and EI-indexed) may be searched, listed, or downloaded by keying in “Woo EM” in internet web databases linked to and pre-approved by libraries.)

+ More than **200 conferences papers or presentations**.