

# Metallic Glasses and Thin Film

## Jinn P. Chu

Distinguished Professor  
Vice President  
Director, Applied Research Center for Thin-Film Metallic Glass

Phone : 02-2730-3292

Email : [jpchu@mail.ntust.edu.tw](mailto:jpchu@mail.ntust.edu.tw)



## Education

Ph.D., Materials Sci. & Eng., Univ. of Illinois at Urbana-Champaign, USA, 1992

## Experience

2018/02~now *Vice-President*, NTUST  
2016/11~now MRS-Taiwan, *Fellow*; Vice President (2020-21)  
2013/02~2018/07 Office of Research and Development, *Vice Dean, Dean*, NTUST  
2011/01~ now *Thin Solid Films*, Editorial Board member  
2014/01~now TACT, *Honorable President*  
1993/08~2007/07 Institute of Materials Eng., *Professor, Chair*, NTOU

## Honors

Tong Ho Steel Foundation Award, 2019  
American Chemical Society Award, 2018 nanotech, Tokyo, Japan, 2018  
The 8th Y. Z. Hsu Technology Invention Award, Taiwan, 2018  
Concours Lépine International Paris, 2018  
The 14th, 19th National Innovation Award (Taiwan), 2017, 2019

## Research Interests

Metallic Glasses and Thin Films, Vacuum Deposition, Materials Characterizations

## Present Works

The application of thin-film metallic glass (abbreviated as TMG®) to medical devices and other industrial components has been initiated and promoted by Dr. Jinn P. Chu, who is a primary inventor of many TMG®-related patents in Taiwan, USA and other territories. Dr. Chu is currently serving as a PI in the state-funded 5-year Applied Research Center for Thin-Film Metallic Glass program, which is focused on establishing a nation-wide community dedicated to the application of TMG®.

### Metallic glass coating

- High strength
- Low friction
- Non-stick

### Metallic Nanotube Array

