

# **Jinn-Guey Lay**

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## **EDUCATION**

**Doctor of Philosophy**, Geography, University of Hawaii at Manoa, Hawaii, USA, 1993

**Master of Art**, Geography, University of Hawaii at Manoa, Hawaii, USA, 1987

**Bachelor of Science**, Geography, National Taiwan University, Taipei, Taiwan, 1981

## **AWARDS and HONORS**

New faculty Award, 1992-1994, National Science Council

A Class Research Award, 1998, National Science Council

A Class Research Award, 1999, National Science Council

Visiting Scholar, Ohio State University, (invited by OSU), 2000

Visiting Scholar, University of California, ESPM, (granted by NSC), 2002

Excellence of Teaching Award, College of Science, National Taiwan University, 2002

Medal, the Ministry of Interior, for service in Land Administration, 2004

## **ACADEMIC and PROFESSIONAL INTERESTS**

### **Geographic information science**

Data quality and uncertainty

Digital terrain model

Spatial analysis and modeling

Historical GIS

GIS applications (land use and land cover change; elections; public health)

### **Cartography**

Map reading and spatial cognition

Map generalization

Mapping and visualization

Historical maps compilation and analysis

## **Geographical/ Environmental Education**

GIS application in K-12  
Cartographic education  
Curriculum development  
Assessment and evaluation

### **Presenter**

**Chun-Lin KUO**

#### **Assistant Professor**

Department of Local Study, National Donghwa University (Meilun Campus),  
No.123, Hua-Hsi Rd., Hualien 970, Taiwan  
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### **1.EXPERIENCE**

**Program Teacher**(專案教師), National Hualien Education University, Taiwan, 2007.8-2008.7  
**Research Fellow**, Keio University G-SEC Institute, 2004.4-2006.3

### **2. EDUCATION**

**Doctor of Governance and Media**, Governance and Media, Keio University, Japan, 2007  
**Master of Science**, Geography, National Taiwan University, Taiwan, 2001  
**Bachelor of Science**, Geography, National Taiwan University, Taiwan, 1997

### **3. AWARDS and HONORS**

Doctoral Candidates Fellowship in the Humanities and Social Sciences, Academia Sinica, 2006  
Outgoing Exchange Students from NTU (to Waseda University, Japan), 2000  
Dean of Science Award for National Taiwan University, 1999

### **4. ACADEMIC and PROFESSIONAL INTERESTS**

#### **Geographic Information Science**

Humanities applications (Historical GIS)  
Data quality and uncertainty

Spatial analysis and statistics

### **Cartography and Multi-media**

GIS2.0 applications

Data visualization

Historical maps compilation and analysis

### **Medical Geography**

Infectious disease Diffusion

Public health and GIS

Regional variation of disease and death