

## 2016 Academicians Announced

Academia Sinica held its biennial Convocation of Academicians from July 4 to July 7 culminating in the announcement of the 2016 list of Academicians on July 7, 2016. This year, total of 20 new Academicians and 2 Honorary Academicians were elected.

List of Academicians is as follows:

### **Division of Mathematics and Physical Sciences (6)**

江台章 **Tai Chang Chiang**

**Year of birth:** 1949

**Current position(s):** Professor Emeritus and Research Professor, Department of Physics, University of Illinois at Urbana-Champaign

**Specialties:** Condensed Matter Physics, Surface Science, Synchrotron Radiation Research

葉永烜 **Wing-Huen Ip**

**Year of birth:** 1947

**Current position(s):** Professor of Astronomy and Space Science, National Central University, Taiwan

**Specialties:** Cometary physics, Solar system origin and planet formation Solar system plasma physics, Planetary atmospheres and exospheric systems

鍾孫霖 **Sun-Lin Chung**

**Year of birth:** 1959

**Current position(s):** Distinguished Research Fellow, Institute of Earth Science, Academia Sinica

**Specialties:** Geology, Igneous Petrogenesis, Chemical Geodynamics

鄭清水 **Ching-Shui Cheng**

**Year of birth:** 1950

**Current position(s):** Distinguished Research Fellow & Director, Institute of Statistical Science, Academia Sinica

**Specialties:** Mathematical Statistics, Experimental Design

牟中原 **Chung-Yuan Mou**

**Year of birth:** 1950

**Current position(s):** Professor, Department of Chemistry, National Taiwan University

**Specialties:** Statistical Mechanics, Heterogeneous Catalysis, Chemistry in Confined Space, Biomedical Application of Nanoporous Materials

金芳蓉 **Fan Chung (Female)**

**Year of birth:** 1949

**Current position(s):** Professor of Mathematics University of California, San Diego

**Specialties:** Mathematics

**Division of Engineering Sciences (6)**

楊威迦 Vigor Yang

**Year of birth:** 1955

**Current position(s):** William R. T. Oakes Professor and Chair, School of Aerospace Engineering, Georgia Institute of Technology

**Specialties:** Aerospace Propulsion and Power, Combustion, Chemical Energy, Energetics

劉立方 Philip Li-Fan Liu

**Year of birth:** 1946

**Current position(s):** Distinguished Professor and Vice President for Research and Technology, National University of Singapore; 1912 Professor of Engineering, from Cornell University (on leave); Kuo-Ting Li Chair, National Central University, ROC

**Specialties:** Coastal Hydrodynamics and Engineering, especially Tsunami Physics

陳陽闈 Young-Kai Chen

**Year of birth:** 1953

**Current position(s):** Senior Director, Silicon Photonics, Research, Bell Laboratories, Nokia.

**Specialties:** High Speed Photonic and Wireless Integrated Circuits and Communication Systems

王康隆 Kang Lung Wang

**Year of birth:** 1941

**Current position(s):** Distinguished Professor & Raytheon Professor, EE Dept., UCLA

**Specialties:** Spintronics, Semiconductor Nanoelectronics and Nanotechnology

李琳山 Lin-Shan Lee

**Year of birth:** 1952

**Current position(s):** Professor of Electrical Engineering and Computer Science, National Taiwan University; Research Fellow, Institute of Information Science, Academia Sinica

**Specialties:** Computer Processing of Speech Signals

戴聿昌 Yu-Chong Tai

**Year of birth:** 1959

**Current position(s):** Chairman of Medical Engineering, Prof. of EE, ME and MedE, California Institute of Technology (Caltech)

**Specialties:** MEMS/NEMS, Sensors, Lab-on-a-chip, MEMS and Medical Implants

**Division of Life Sciences (5)**

**張元豪 Howard Yuan-Hao Chang**

**Year of birth: 1972**

**Current position(s):** Professor of Dermatology, Stanford University School of Medicine  
Director, Center for Personal Dynamic Regulomes

**Specialties:** Noncoding RNA, Epigenomics, Regenerative Medicine

**歐競雄 Jing-Hsiung James Ou**

**Year of birth: 1954**

**Current position(s):** Professor, Department of Molecular Microbiology and Immunology,  
University of Southern California, Keck School of Medicine

**Specialties:** Virology, Viral Carcinogenesis, Autophagy, Signal Transduction

**吳子丑 T.-C. Wu**

**Year of birth: 1957**

**Current position(s):** Professor of Departments of Pathology, Oncology, Obstetrics & Gynecology  
and Molecular Microbiology and Immunology, The Johns Hopkins Medical Institutions; Research  
Director of Gynecologic Pathology; Pathologist of The Johns Hopkins Hospital

**Specialties:** Molecular Virology, Molecular Pathology, Therapeutic HPV Vaccines

**楊秋忠 Chiu-Chung Young**

**Year of birth: 1948**

**Current position(s):** Ministry of Education: National Chair (lifetime honor) (only one in Taiwan  
agriculture); National Chung Hsing University: Chair Professor of Dept. of Soil Environmental  
Science (first one in NCHU ); ROC Members of the IUBS and SCOPE

**Specialties:** Soil Microbiology and Biochemistry, Soil-microorganism-crop Relationship

**陳鈴津 Alice Lin-Tsing Yu (Female)**

**Year of birth: 1943**

**Current position(s):** Distinguished Chair Professor, Chang Gung Memorial Hospital & Chang  
Gung University & Co-Director, Institute of Stem Cell & Translational Cancer Research;  
Distinguished Visiting Fellow, Genomics Research Center, Academia Sinica

**Specialties:** Tumor Immunology and Cancer Immunotherapy, Cancer Stem Cell Biology,  
Translational Medicine, Clinical Oncology

**Division of Humanities and Social Sciences (3)**

孫康宜 Kang-I Sun Chang (Female)

**Year of birth:** 1944

**Current position(s):** The inaugural Malcolm G. Chace '56; Professor of Chinese Literature, Department of East Asian Languages & Literatures, Yale University

**Specialties:** Pre-modern Chinese Literature, Women Writers of Traditional China, Comparative Studies of Poetry, Literary Criticism, Gender Studies, Hermeneutics, Cultural Theory/

黃正德 Cheng-Teh James Huang

**Year of birth:** 1948

**Current position(s):** Professor of Linguistics, Dept. of Linguistics, Harvard University

**Specialties:** Linguistics (Linguistic Theory)

吳玉山 Yu-Shan Wu

**Year of birth:** 1958

**Current position(s):** Distinguished Research Fellow at the Institute of Political Science, Academia Sinica; Jointly Appointed Professor, Department of Political Science, National Taiwan University

**Specialties:** Political Science and Studies of International Relations

**List of Honorary Academicians is as follows:**

**Division of Engineering Sciences (2)**

克萊頓 丹尼爾 莫特 Clayton Daniel Mote, Jr.

**Year of birth:** 1937

**Current position(s):** President, U.S. National Academy of Engineering

**Specialties:** Dynamics and Stability of Rotating and Translating Systems (Strings, Cables, Plates, Webs, etc.) and Biomechanics of Injury

中村 修二 Shuji Nakamura

**Year of birth:** 1954

**Current position(s):** Professor, Materials and Electrical & Computer Engineering; Research Director, Solid State Lighting & Energy Electronics Center; Cree Chair in Solid State Lighting & Displays; Co-founder, Sora Inc.

**Specialties:** MOCVD, HVPE, and Growth and Device Fabrication of Light-emitters Based on the Wide-bandgap Semiconductor Gallium Nitride (GaN)