

## 教学人员简历

姓名：陳炯林

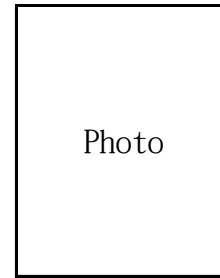
职称：教授

学院/部门：太空科学研究所

办公室：A504

电话：8897 2255

电邮地址：klchan@must.edu.mo



## 学历

1974 PhD in Physics, Princeton University

1970 BA in Physics, University of California, Berkeley

## 教学领域

Planetary Science

Astrophysics

Computational Fluid Dynamics

Applied Mathematics

## 研究领域

Planetary and Stellar Hydrodynamics

Microwave Data Analysis

## 工作经历

1994-2015 Department of Mathematics, HKUST, Hong Kong SAR

1980-1994 Laboratory of Atmospheres/GSFC/NASA, Applied Research Corporation, USA

1977-1980 Physics Department, Queen's University, Canada

1976-1977 Physics Department, Calgary University, Canada

1974-1976 General Science Department, Thomsas J. Watson Research Center (IBM)

## 研究项目

Dust climate associated with mesoscale dynamics in the atmosphere of Mars

## 学术机构及社会任职

Member of American Physical Society

Member of American Astronomical Society

Member of American Geophysical Union

Member of International Astronomical Union

## 学术成果

期刊文章：

100 papers in mainstream SCI journals

Google Scholar Citations = 2996, H-index=31, i10-index = 71

Representative papers:

1. Chan, K.L., and Mayr, H.G. 2013, Numerical Simulation of convectively generated vortices: Application to the Jovian Planets, *Earth and Planetary Sci. Lett.*, 371-372: 212-219
2. Chan, K.L., Tsang, K.T., Kong, B., & Zheng, Y.C. 2010, Lunar regolith thermal behavior revealed by Chang'E-1 microwave brightness temperature data, *Earth and Planetary Sci. Lett.* 295: 287-291.
3. Chan, K.L. 2001, Rotating convection in f-planes -mean flow and Reynolds stress, *Astrophys. J.*, 548: 1102-1117
4. Chan, K.L., and Sofia, S. 1987, Validity tests of the mixing-length theory of deep convection, *Science*, 235: 465-467
5. Chan, K.L., and Henriksen, R.N. 1980, On the supersonic dynamics of magnetized jets of thermal gas in radio galaxies, *Astrophys. J.*, 241: 534-551

专著章节：

会议论文：