
朱經武教授讚辭

ELOGIO ACADÉMICO DO
PROFESSOR DOUTOR PAUL CHING-WU CHU

CITATION FOR
PROFESSOR PAUL CHING-WU CHU

李怡平教授宣讀

PROFERIDO PELO PROFESSOR DOUTOR LI YIPING

DELIVERED BY PROFESSOR LI YIPING

Your Excellency, Chief Executive of Macao SAR and Chancellor of the University,
Mr. Ho Hau Wah,
Honorable Chairman of the University Council, Dr. Tse Chi Wai,
Honorable Members of the Council and University Assembly,
Honorable Rector, Prof Iu Vai Pan,
Honorable Prof. Paul Ching-Wu Chu, Prof. João Ruiz de Almeida Garrett, Prof.
José de Albuquerque Epifânio da Franca, Prof. Han Qide, Prof. Su-Seng Pang,
Prof. Yum-Tong Siu,
Honorable Members of the Senate,
Dear Teachers and Students,
Distinguished Guests,
Ladies and Gentlemen:

Mr. Chancellor, please allow me to introduce to you Professor Ching-Wu Chu, President of the Hong Kong University of Science and Technology (HKUST), a pioneer in the field of superconductivity, a distinguished scholar, and an educator.

Born in Hunan, China in 1941, Professor Ching-Wu Chu received his Bachelor of Science degree from Cheng Kung University of Taiwan in 1962 and his Master of Science degree from Fordham University of New York in 1965. After graduating from Fordham, Professor Chu completed his doctorate at the University of California (San Diego) in 1968.

Professor Chu's outstanding career started in the Bell Labs at Murray Hill before he moved to the Cleveland State University of Ohio where he was appointed Assistant Professor of Physics in 1970. His prolific academic activities brought him to the position of Full Professor at Cleveland in less than a decade. In 1979, Professor Chu was appointed Full Professor of Physics at the University of Houston (Texas), an office he continues to hold today. Professor Chu has also served as the T.L.L. Temple Chair of Science at Houston since 1987.

In the same year, together with M. K. Wu, Professor Chu's best known discovery of YBCO (Y1Ba2Cu3O7) in high temperature superconductor (HTS) research explained issues that had vexed scientists for years. Professor Chu's contributions to the discipline had a defining effect on the application of HTS materials in extensive areas. This milestone in scientific research has resulted in tremendous advances in HTS research in the past 19 years. Professor Chu is currently the Executive Director of Texas Center for Superconductivity.

As a respected scientist, Professor Chu has been engaged for professional consultation on many occasions and he has held positions of influence both in

scientific communities and administrative circles. He has held positions such as the Director of Solid State Physics Program of National Science Foundation of USA, Director of Space Vacuum Epitaxy Center of NASA, and the principal investigator of Lawrence Berkeley National Laboratory since 1999 to present. Professor Chu has also held various positions in Academia Sinica, the S.S. Chern Foundation for Mathematical Research, Higher Education Co-ordinating Board of the State of Texas, NASA Marshall Space Flight Center, etc.

Professor Chu's researches in the areas of superconductivity, magnetism and dielectrics have been published in more than 530 articles in refereed journals. He has edited 6 books and is a member of the editorial and advisory board for more than 10 international journals. Professor Chu has also received honorary doctorates from a number of universities worldwide including the Northwestern University and the Chinese University of Hong Kong.

Professor Chu has a long track of service and contribution to the academic community. The many awards he received from around the world such as the National Medal of Science, the International Prize for New Materials, the Comstock Award, the Texas Instruments' Founders' Prize, the John Fritz Medal, and the Freedoms Foundation National Award, stand testimony to his widespread influence. In 1990, he was named the Best Researcher in the US by the US News and World Report.

As President of HKUST, Professor Chu encourages the integration of the university with the local community. An example of this successful partnership between UST, the government and industry is the establishment of the Research and Development Center for Nanotechnology and Advanced Materials, a HK\$ 400 million initiative at HKUST. Professor Chu has nurtured UST into a shining example of science and technology development that it has become a source of inspiration for Asia as well as other regions.

Professor Chu has not only spearheaded research for nearly two decades, but also maintained a strong commitment to bridging the gap between academic circles and the society at large. He has worked tirelessly to forge significant relationships between HKUST and institutions all over Asia and the world. The agreement signed in research collaboration between the University of Macau and HKUST has brought valuable opportunities and expertise to our University that will help us in developing research programmes. Professor Chu has indeed provided us with the know-how to gain a foothold in the realm of scientific research.

We at University of Macau are extremely grateful for the network with HKUST and the key role Professor Chu has played through his involvement with us.

Mr. Chancellor, may we now request you to confer upon Professor Ching-Wu Chu the Degree Doctor of Science, honoris causa.

Thank you.

尊敬的澳門特別行政區行政長官、澳門大學校監何厚鏵先生，
尊敬的校董會主席謝志偉博士，
尊敬的校董會及大學議庭成員，
尊敬的校長姚偉彬教授，
尊敬的 朱經武教授、賈利德教授、José Franca 教授、韓啓德教授、彭樹成教授及蕭蔭堂教授，
尊敬的教務委員會成員，
各位老師，各位同學，
各位嘉賓，
女士們先生們：

澳門大學校監何厚鏵閣下，請允許我向在座各位介紹朱經武教授——香港科技大學校長，超導體研究領域先鋒，傑出學者及教育家。

朱經武教授1941年出生於中國湖南省。1962年肄業臺灣成功大學並取得理學士學位，1965年於紐約霍涵大學取得理學碩士學位，其後他續在美留學，1968年於加州大學聖地牙哥分校取得博士學位。

畢業後，朱經武教授在新澤西梅利山貝爾實驗室從事研究工作，這為他卓越學術生涯的開始。朱教授其後往俄亥俄克里夫蘭大學任教，1970 年成為物理系助理教授；由於他非凡的學術表現，不到十年間朱教授已被擢升為該校物理系教授。自1979年起，朱經武教授擔任德薩斯州休斯頓大學物理系教授；1987年起為該校 TTL Temple 講座教授。

1987年，朱經武教授與吳茂昆博士在共同研究的高溫超導體材料中發現了鈮銀銅氧（YBCO），這著名發現為科學家們苦苦探索的領域揭開了新的篇章，全球為之轟動。此發現對高溫超導體材料在眾多領域的應用產生了深遠影響，更為此研究領域開啓了新的大門，推動十九年來高溫超導體材料研究的巨大進步。朱經武教授現任德薩斯州超導體中心主任。

作為深受崇敬的科學家，朱教授長期從事學術顧問工作，並在科學和政府機構擔任具影響力的職位。他曾任美國國家科學基金固態物理項目主任和美國宇航局「太空真空外延

中心」主任，1999年至今朱教授亦為美國勞倫斯栢克來（Lawrence Berkeley）國家實驗室首席研究員。此外，朱經武教授更在台灣中央研究院、陳省身數學研究基金會、德薩斯州高等教育協調委員會和美國宇航局馬歇爾航天中心等機構擔任職務。在超導體、磁學、電介體研究領域中，朱教授在國際權威學術期刊發表超過530篇文章，撰寫六本著作，並擔任十多個國際學術期刊機構編委及顧問。朱經武教授亦獲世界多所著名大學頒授榮譽博士學位，其中包括美國西北大學及香港中文大學。

朱經武教授長期投身學術事業，屢獲各項殊榮，其中包括美國國家科學獎章、國際新材料獎、孔士德獎（Comstock Award）、德州儀器公司創辦人獎、約翰弗裏茨大獎（John Fritz Medal）及自由基金會國家獎（Freedoms Foundation National Award），這些獎項是朱教授璀璨學術生涯的見證。朱經武教授並於1990年被《美國新聞及世界報道》雜誌評選為全美最優秀研究員。

作為香港科技大學校長，朱經武教授鼓勵大學融入社區。科大投資四億美元建立的納米技術及先進材料研發中心，便是大學、政府與產業結成夥伴關係的成功範例。在朱教授領導下，香港科技大學成為科技發展的楷模，其成功經驗廣為亞洲及世界各地區借鑒。

二十年來，朱經武教授不僅引領了學術研究的發展，並在學術和社會相結合方面作出了卓越貢獻。他孜孜不倦辛勤工作，使香港科技大學與亞洲及世界其他地區機構建立重要合作關係。而香港科技大學與澳門大學簽訂的研究合作協議，便為我校科研項目發展帶來寶貴機遇與啓迪，同時亦為澳大科研發展提供人才。

在香港科技大學與澳門大學建立的合作關係上，朱教授盡心竭力，發揮關鍵作用，對此，澳門大學深表感激。

現謹恭請大學校監何厚鏞閣下向朱經武教授授予榮譽理學博士學位。

感謝各位！