彭 樹 成 教 授 讚 辭

Elogio Académico do Professor Doutor Su-Seng Pang

Citation for Professor Su-Seng Pang

譚 立 武 教 授 宣 讀

proferido pelo Professor Doutor tam Lap Mou

delivered by Professor Tam Lap Mou

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. Su-Seng Pang, Prof. João Ruiz de Almeida Garrett, Prof. Paul Ching-Wu Chu, Prof. José de Albuquerque Epifânio da Franca, Prof. Han Qide, Prof. Yum-Tong Siu,
Honorable Members of the Senate,
Dear Teachers and Students,
Distinguished Guests,
Ladies and Gentlemen:

It is my honour to have the opportunity to read the citation for Professor Su-Seng Pang, a son of Macao, a great educator, and a world famous scholar in this Doctoral Award Ceremony held in the Silver Jubilee year of University of Macau.

Professor Su-Seng Pang was born in Macao in the year 1958. After completing his primary and secondary education in Macao, Professor Pang went to Taiwan for further studies and received his Bachelor of Science degree in 1980, ranking first in all of Mechanical Engineering in the Taiwan University. He went on to receive his Master of Science degree in Aerospace Engineering and Mechanics from the University of Minnesota, USA in 1982, and his Ph.D. degree in Mechanical Engineering from the University of California, Berkeley in 1987. Presently, Professor Pang is the Associate Vice Chancellor for Strategic Initiatives and a Jack Holmes Distinguished Professor of Mechanical Engineering at Louisiana State University (LSU) in the United States.

Professor Pang has dedicated himself not only in academic research but also in engineering education. He is a recognised expert in the field of composite materials. He has been extremely successful in obtaining research funding and has been awarded nearly 100 research and educational grants from the National Science Foundation, NASA, US Navy, Air Force, the Department of Energy and various industries in the US since 1987.

In terms of academic achievements, Professor Pang has published more than 200 refereed papers and conference proceedings, and 125 technical reports in the areas of composite materials and structures, pressure vessel, and various joining technologies. He is widely recognised as one of the pioneers and authorities in composite piping systems research. His research findings can easily be found in prestigious journals such as Composites Science and Technology, International Journal of Solids and Structures, and Composite Structures.

Professor Pang has been the Chair of American Society of Mechanical Engineers (ASME) / Offshore Technology and Vice-Chair of ASME / Composite Materials Programs. He has served as an expert panelist at the National Science Foundation (NSF), Department of Energy (DoE), and Office of Naval Research (ONR) in the areas of composite materials research and educational programme development.

In recognition of his outstanding research track record and his contribution to the engineering community, Professior Pang was elected an ASME Fellow in 2002. Recently, in 2006, Professor Pang was elected as a Society of Plastics Engineers Fellow in acknowledgement of his research in joining technologies to overcome technical barriers that deter the use of composite pipes in the offshore oil and gas industries. Currently, Professor Pang has 20 funded projects underway including more than 10 sponsored by the NSF, placing him among the top in the US.

In terms of education, in the past decade, Professor Pang has proven to be a great impetus promoting the cause of education at all levels such as helping LSU in developing new mentoring activities, providing funding for potential LSU students, coordinating efforts to generate education / training grants to support undergraduate students, establishing a close alliance with universities in the State of Louisiana, and supporting K-12 education, teachers, and students. Professor Pang's efforts have made LSU in all of USA the most successful university in educational projects.

In light of the aforesaid contributions, Professor Pang has received 29 US national / regional awards in research and education since 1996. He was awarded in the White House on two occasions including the 1997 Tibbetts Award for SBIR Model of Excellence and the 1998 Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring.

Professor Pang is not new to University of Macau. He was invited by the Department of Electromechanical Engineering (DEE) in May, 2006 to give a distinguished lecture on research interests and educational projects. It was a great experience, not only for the students, but also for the faculty members of DEE. Professor Pang generously shared all his valuable experiences with us. From him, we learned the essential qualities of a respected scholar and an enthusiastic educator.

In view of Professor Pang's outstanding achievements, it was not difficult for the Honorary Degree Committee to identify him and to attribute the honorary Doctor of Science Degree, honoris causa, to such a remarkable scholar with the

Chancellor's approval.

Mr. Chancellor, may I represent the University of Macau to declare Professor Su-Seng Pang an esteemed member of the UM family.

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，

尊敬的彭樹成教授、賈利德教授、朱經武教授、José Franca 教授、韓啓德教授及蕭蔭堂教授，

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：

在澳門大學銀禧校慶之際舉行的榮譽博士學位頒授儀式上，宣讀對彭樹成教授的讚辭，我感到莫大的榮幸。彭樹成教授是卓越的教育家，也是世界一流的科學家，彭教授更是澳門的驕傲。

彭樹成教授1958年出生於澳門。在澳門完成小學及中學課程後，前往臺灣學習並於1980年在臺灣大學以最優異的總成績獲得機電工程學士學位。1982年在美國明尼蘇達大學獲得航空工程及力學碩士學位；1987年在美國加州大學伯克萊分校獲得機械工程博士學位。彭教授爲現任美國路易斯安那州州立大學（LSU）協理副校長及機械工程系 Jack Holmes 教授。

彭樹成教授致力學術研究和工程教育。他是複合材料研究領域公認的專家。他的研究項目屢獲各類資助，從1987年至今，彭教授從國家科學基金（NSF）、美國宇航局（NASA）、海軍、空軍、能源局（DOE）及其他工業部門共獲得約100項教育和研究撥款。

在學術方面，彭樹成教授在複合材料和結構、壓力容器、接合技術等領域發表了200多篇期刊和會議論文、125篇技術報告。他還是國際公認的複合管道系統研究的先導和權威學者之一。他的學術成果經常刊登於權威學術刊物，如 《複合科技》（Composites Science and Technology）、《國際固體和結構學刊》（International Journal of Solids and Structures）以及《複合結構》（Composite

Structures）等。彭教授曾擔任美國機械工程師學會（ASME）海上技術會議（Offshore Tchnology）主席及 ASME複合材料項目副主席。他還在複合材料研究和教育項目發展方面擔任國家科學基金、能源局以及海軍研究辦公室（ONR）專家組成員。由於其豐碩的研究成果及爲學術界作出的傑出貢獻，彭教授於2002年當選爲美國機械工程師學會會員。最近，他在接合方法上的研究成果，克服了導致複合管道不能運用於海上石油和氣體工業的障礙；因爲此成果，他於2006年當選爲塑料工程學會（SPE）會員。

目前，在彭樹成教授從事的項目中，有20個獲得資助，而獲國家科學基金資助項目超過10個，高據美國榜首之列。在教育方面，在最近十年，彭教授傾注大量心力，爲教育和服務事業作出貢獻，他爲路易斯安那州州立大學發展了新的學生輔導計劃、爲該大學優秀的學生提供研究啓動資金、協調各方面力量爲本科生提供獎學金、亦與路易斯安那州其他大學建立更緊密合作關係以及支持K-12教育項目和師生。彭教授的辛勤工作，使路易斯安那州州立大學成爲美國教育項目開展最爲成功的大學。

由於上述貢獻，彭樹成教授自1996年起共獲得29個美國國家及區域研究和教育榮譽。他於1997和1998年兩度進入白宮接受小型企業署傑出獎章及傑出科學、數學暨工程總統獎。

彭樹成教授非首次蒞臨大學。2006年5月，彭教授接受我校機電工程系邀請，就他的研究和教育項目作了精彩演講，令我系師生受益匪淺。彭教授毫不保留地與我們分享了他的人生、學術經驗；從彭教授身上我們認識到成爲一名優秀科學家及教育家的素質。

面對這樣的卓越建樹，我校榮譽學位委員會理所當然地提議向彭樹成教授這位傑出學者頒授榮譽理學博士學位，這提議獲得了大學校監的同意。

大學校監何厚鏵閣下，現請允許我代表澳門大學宣佈：彭樹成教授，從今天起您就是我們大學家庭中的一員。

感謝各位！