

中央研究院新聞稿

徐遐生院士榮獲 2009 年邵逸夫獎

由香港電影製作人邵逸夫先生創立的國際性基金會 6 月 16 日宣布，本院數理組徐遐生院士榮獲 2009 天文學類「邵逸夫獎」。徐遐生院士今年 5 月甫榮獲「太平洋天文學會」(The Astronomical Society of the Pacific, ASP)頒致「凱薩琳·伍爾夫·布魯斯金牌獎」(the Catherine Wolfe Bruce gold medal)。今日再傳喜訊，肯定徐院士在理論天文學上之傑出成就與貢獻。

創立於 2002 年的「邵逸夫獎」設置 3 個獎項：天文學獎、生命科學與醫學獎和數學科學獎。甄選獎項的原則為候選人之學術專業貢獻，以及其能推動社會進步、提高人類生活質素、豐富人類精神文明者為優先。每獎項獎金 100 萬美元(約台幣 3300 餘萬元)。頒獎典禮將於今年 10 月 7 日在香港舉行。

徐遐生院士極富原創性及影響力的貢獻包括：盤形星系中螺旋狀結構的密度波理論(與恩師林家翹教授合作提出)、互擾雙星系統中質量轉移的動力學、恆星與行星系統的形成、土星環中密度波與彎曲波的共振強迫作用、球粒結構隕石的起源、以及正確預言彗星中應含有經歷過高溫的岩石。其中，有關彗星的預言，甚至與當時主流理念(彗星源於最冷、最遙遠的行星際空間)相違背，徐院士仍堅信不移，後來證實他是正確的。

對於榮獲此重要獎項，徐遐生院士深感光榮與惕勵，並表示一切成就都應該歸功於其父母、林家翹恩師及師母。這些重要人物典範，以身示教，讓他能嚮往以誠實、正直、熱忱、專注的態度，朝向更高遠的生命目標。此對徐院士的一生教學與研究工作，影響至鉅。徐院士也感謝邵逸夫先生設立此獎項，他認為邵先生選擇人類理智發展中最古老科目：天文學、生命科學與醫學、數學為頒獎項目，深具啟示性。因為這些科目同屬人類歷史上最古老的科目，卻仍舊活躍在廿一世紀，從古到今它們帶給人類文明無窮曙光。徐遐生院士期許自己的獲獎能夠實至名歸，因為「科學真正的榮耀不在慶賀過去的成功，而在於創造更燦爛的未來」。

徐遐生院士同時擁有美國國家科學院院士(1987 年)、中央研究院院士(1990 年)、與美國國家藝術與科學院院士(1992 年)等高度榮譽頭銜。他曾擔任美國天文學會會長(President of the American Astronomical Society, 1994-1996)，任教於國內外 9 所著名大學(1999-2009)，並返回台灣擔任國立清華大學校長(2002-2006)。

邵逸夫先生係 1907 年出生，浙江寧波人。1920 年代輔助其兄長在上海創立電影公司，1958 年在香港創辦邵氏兄弟(香港)有限公司製作電影，自 1980 年起出任香港電視廣播有限公司董事局主席。逸夫先生先後成立「邵逸夫慈善信託基金」和「邵氏基金(香港)有限公司」，主要發展教育科研、推廣醫療福利及推動文化藝術。

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Academia Sinica Press Release

Astrophysicist Frank Shu Awarded 2009 Shaw Prize in Astronomy

Academician Frank Shu has been awarded the 2009 Shaw Prize in Astronomy, the Shaw Prize Foundation announced June 16.

The Shaw Prize consists of three awards, the Astronomy, Life Science and Medicine, and Mathematical Sciences awards, which are awarded annually to individuals who have achieved significant breakthroughs in academic and scientific research or application and whose work has resulted in a positive and profound impact on mankind. Each prize carries a monetary award of US\$1 million. An award ceremony will be held on Oct 7 in Hong Kong.

Prof. Frank Shu was awarded the prize for a lifetime of distinguished achievement in theoretical astrophysics. His seminal contributions to the field include the co-development with C. C. Lin of the density-wave theory of spiral structure in disk galaxies, the dynamics of mass transfer in interacting binary stars, the formation of stars and planetary systems, the resonant forcing of density waves and bending waves in Saturn's rings, the origin of chondritic meteorites, and the successful prediction that comets would be found to contain highly thermally processed rocks in contrast to the then prevailing belief that they are composed only of primitive material indicative of their pristine origin in the coldest and most remote parts of interplanetary space.

Prof. Shu said that he was deeply honored and humbled on hearing the news that he had won the prize, and was particularly thankful to his late parents and his advisor and mentor Professor Chiao-Chao Lin, who emphasized the importance of honesty, integrity, enthusiasm, commitment, and service to a larger cause. He regards any success he may have achieved to stem from their teachings. He is also deeply grateful to Sir Run Run Shaw and his Foundation for establishing these international awards.

Prof. Shu is a Distinguished Research Fellow at the Institute of Astronomy and Astrophysics, Academia Sinica and was a University Professor of the nine University of California campuses from 1999 to 2009. From 2002 until 2006 he served as President of National Tsing Hua University. Prof. Shu also served as President of the American Astronomical Society, from 1994 to 1996.

The Shaw Prize is an international award established by Hong Kong media magnate Run Run Shaw in 2002 and managed and administered by The Shaw Prize Foundation. The foundation is dedicated to the promotion of education, scientific and technological research, medical and welfare services, and culture and the arts.

Related Website:

<http://www.shawprize.org>

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