

Academia Sinica Press Release

Academician Tzu-Yow Yang receives the 2008 AIAA Structures, Structural Dynamics and Materials Award

The American Institute of Aeronautics and Astronautics (AIAA) announced on Jan. 28, 2008 that Academician Tzu-Yow Yang (Henry Yang) will receive the 2008 AIAA Structures, Structural Dynamics and Materials Award during the AIAA/ASME/ASCE/AHS/ASC Structures, Structural Dynamics, and Materials Conference, 7-10 April 2008. The award, consisting of a medal, certificate of citation, and rosette pin, will be presented to Yang on 9 April 2008.

Academician Yang is now Professor and Chancellor of the University of California, Santa Barbara. He is honored for sustained contributions to outstanding research, education and service in aerospace structures, structural dynamics and materials, and for pioneering work in shell finite elements, transonic flutter, structural dynamics and computational materials processing.

In 1963, the two great aerospace societies of the day merged. The American Rocket Society and the Institute of Aerospace Science joined to become AIAA. With more than 35,000 members in 65 regional sections and 79 countries, AIAA is the world's largest professional society devoted to the progress of engineering and science in aviation, space, and defense.

Academician Yang has authored or co-authored around 170 articles for scientific journals (including 43 articles since becoming chancellor), served as P.I. or co-P.I. for 32 sponsored research grants (including 9 NSF grants since becoming chancellor), guided 52 Ph.D. theses (including 12 since becoming chancellor), and received 13 outstanding undergraduate teaching awards (including an honorary distinguished teaching award from UCSB's Academic Senate). His book *Finite Element Structural Analysis*, published by Prentice-Hall, has been adopted by many universities and has also been published in Japanese and Chinese.

Academician Yang is now a member of the National Academy of Engineering and a Fellow of AIAA and ASEE and Academia Sinica. He received the Benjamin Garver

Lamme Gold Medal, the American Society of Engineering Education in 1998. He was also bestowed Honorary Doctoral Degree by 4 Universities.

Related website:

http://www.me.ucsb.edu/dept_site/people/new_faculty_pages/yang_page.html

*About Academician Tzu-Yow Yang

Education: B.S. (Engineering), National Taiwan University (1962)

Ph.D., Cornell University (1968)

Experience: Head of School of Aeronautics and Astronautics, Purdue University (1979-1984)

Dean of Engineering at Purdue University, Purdue University (1984-1994)

Co-Director, NSF Engineering Research Center for Intelligent Manufacturing Systems, Purdue University (1985-1995)

Chancellor of U.C. Santa Barbara (1994)

Honors: Fellow of American Institute of Aeronautics and Astronautics(1985)

Neil A. Armstrong Distinguished Professor of Aeronautics and Astronautics, Purdue University(1988-1994)

Academician, National Academy of Engineering, U.S.A(1991)

Academician, Academia Sinica(1992)

Benjamin Garver Lamme Gold Medal, American Society of Engineering Education(1998)

Honorary Doctoral Degree, Purdue University(1996);Hong Kong University of Science and Technology(2002);National Taiwan University(2004);City University of Hong Kong(2005)

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中央研究院新聞稿

楊祖佑院士榮獲美國航空太空學會(AIAA) 2008 年

[結構、結構動力暨材料]獎章

美國航空太空學會(The American Institute of Aeronautics and Astronautics, AIAA)於 2008 年 1 月 28 日宣布,本院第 19 屆數理組楊祖佑院士榮獲該學會 2008 年[結構、結構動力暨材料]獎章(AIAA Structures, Structural Dynamics and Materials Award)。該學會與其餘 4 個重要科學研究機構(ASME/ASCE/AHS/ASC)將於今年 4 月 7 日美國伊利諾州所召開的聯合年度大會中,頒致楊祖佑院士此項崇高榮譽。

楊祖佑院士 1940 年出生於台灣,1962 年獲得台灣大學工程學士,1968 年獲得美國康乃爾大學博士。隨後楊院士加入普渡大學,並於 1984 到 1994 年擔任該校工學院院長。1994 年他成為美國聖塔芭芭拉加州大學第 5 任校長。楊祖佑院士的校務政策以高遠視野、彈性包容見長。他成功延攬到許多傑出教授赴校任課,同時楊院士極佳的募款能力,使他成為全球學術機構的首選請益對象。楊院士任職校長前 6 年內,該校共有 5 位教授獲得諾貝爾獎,順利將聖塔芭芭拉加州大學轉型成為美國頂尖大學之一。

美國航空太空學會(The American Institute of Aeronautics and Astronautics, AIAA)係於 1963 年由 1930 年代初期即成立的 2 個重要研究機構,美國火箭學會(The American Rocket Society) 和航太科學研究中心(The Institute of Aerospace Science)合併而成。目前擁有 3 萬 5 千多位會員,是全球航空、太空、國防界最大的科學工程學家組織。

AIAA 獲獎宣言中指出,楊祖佑院士長期累積的努力,使航空太空的結構、結構動力及材料研究、教育、和應用上,都獲得傑出的成果。而楊祖佑院士對於薄殼有限元件(shell finite elements)、穿音速顫振(transonic flutter)、結構動力學(structural dynamics)以及材料計算加工(computational materials processing)等方面的研究,更具有領先開創性價值。

楊祖佑院士同時擅長研究與教學,他曾於國際學術期刊發表超過 170 篇期刊論文,指導過 52 篇博士論文,並獲頒傑出教學獎 13 次。在這些成就中,有 43 篇論文、12 篇博士論文及 1 次最佳教學獎,是他任校長以來所獲得。同時他是本

院院士、美國國家工程院院士、以及美國航空太空學會會士，並於 1998 年獲得象徵美國工程教育學會最高榮譽的李梅金質獎章。

*有關楊祖佑院士

學 歷:國立台灣大學工程學士(1962)

美國康乃爾大學博士(1968)

專 長:航太工程

榮 譽:美國航空太空學會哲士(Fellow)(1985)

美國普度大學阿姆斯特壯航空太空傑出講座教授(1988-1994)

美國國家工程院院士(1991)

中央研究院院士(1992)

美國工程教育學會最高榮譽李梅金質獎章(1998)

榮譽博士:Purdue 大學(1996);香港科技大學(2002)

國立台灣大學(2004);香港城市大學(2005)

相關網站:

http://www.me.ucsb.edu/dept_site/people/new_faculty_pages/yang_page.html

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