



Name in English: Chang-lin Tien
Name in Chinese: 田长霖 [田長霖]
Name in Pinyin: Tián Chánglín
Gender: Male
Birth Year: 1935 - 2002
Birth Place: Wuhan, China

Profession(s): Dr. Tien was a brilliant, world class engineer, an extraordinary professor, and superb Chancellor of the University of California, Berkeley, who served the UCB system for 42 years. He was exceptional in all his capacities from Assistant Professor, to Full Professor, to Chair of the Department of Mechanical Engineering, to Vice Chancellor of Research, to Executive Vice Chancellor at UC Irvine, and finally Chancellor of UC Berkeley from 1990-1997.

Education: BS/ME, 1955 National Taiwan University; MME/Heat Transfer, 1957 University of Louisville; MA and PhD/ME, 1959, Princeton University.

Awards: Dr. Tien Chang-lin's long list of awards includes the highest international award in heat transfer, the Max Jakob Memorial Award. He also won the Gustus L. Larson Memorial Award and the Heat Transfer Memorial Award of the ASME, the Thermophysics Award of the AIAA; the Thermal Engineering Award for International Activity of the Japan Society of Mechanical Engineers; the 1996 Fellowship Award of the International Centre for Heat and Mass Transfer; the Golden Plate Award of the American Academy of Achievement; and the Harvard Foundation Award from Harvard University.

Contribution (s): Among his scientific accomplishments, Dr. Tien helped to solve the heat shield problems on board our space shuttle and was a primary contributor to the design of the Saturn booster rocket. He was a consultant at the nuclear power plant disasters at Three Mile Island and Chernobyl. Dr. Tien's formulas for super insulation was included in the design of Japan's high speed levitation trains. He raised \$1.44 billion to compensate for the state budget cuts to the University. Dr. Tien was also an avid Community Activist and a leader in US-China relations serving as special assignments to China and Taiwan for President William Clinton. The Chancellor firmly believed in and fought for Affirmative Action. His positive attitude and devotion to justice and equality were qualities that were exemplary and admired.

Publications: Dr. Tien was an expert in thermal science and conducted researched on thermal radiation, thermal insulation, microscale thermal phenomena, fluid flow, phase-change energy transfer, heat pipes, reactor safety, cryogenics, and fire phenomena, authoring more than 300 research journal and monograph articles, 16 edited volumes, and one book.