Professor Kuh and Us

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Advisor, Mentor, Supporter

- Advisor: 1981-1984
- Host: 1990
- Investor: CLK CAD 1998
- Technical Advisor: CLK CAD
- Co-Investigator: Micro Program 1991-2008
- Coauthor: 1983-2009
- Oral History
Outlines

• Photos from Oral History, Chi-Ping Hsu, Xianlong Hong, Tim Cheng
• Quotes: B. Ting, C.P. Hsu, N.P. Chen, M. Jackson, J.T. Li, S. Lin, J. Cong, H. Chen
• Summary
Quotes

He did not have much time, but he tried to help.
他安排 Prof. Fujisawa (visiting from Japan) to discuss with me.
Fujisawa 幫忙和我討論論文。記得曾經和他二人喝了一瓶竹葉青。1974，當我可以畢業時，遇到不景氣，找不到工作，暫時留在學校。後來也是 Prof. Kuh 幫忙才能找到 Wayne State University 當 Assistant Prof.，當時 Dept.Head Prof. Ghausi. Prof. Kuh 不需要你去求他幫助，他會自動默默幫助你。這是一種美德。

— Ming-Jen Chien, Chairman, First International Computer
Quotes

• Please give me my warmest congratulations and appreciations to Professor Kuh for me.
  — Ben Ting, 3/17/2011

• I definitely would like to express my appreciation of Prof. Kuh for his guidance and support during my life and career.
Quotes

• Congratulations to Professor Kuh. Professor Kuh has been an icon for the EDA industry and a role model for the EDA pioneers like us since EDA's inception 30 years ago. His vision and in depth research had inspired so many of his students to choose design automation as their proud lifetime career. I am so fortunate and honored to have a teacher, a mentor, and a personal friend like Professor Kuh. In addition to his vast technology and academic achievements, I am most impressed with his kindness, generosity, intelligence, and the highest integrity above all. I had admired professor Kuh so much that my wife and I named our daughter "Ernestine" after "Ernest" Kuh's name --- a small secret that no one knows, including Professor Kuh, until today. I am forever indebted to Professor Kuh's lifelong guidance and friendship to me. Thank you so very much!

— Chi-Ping Hsu, Senior Vice President, Cadence Design Systems
Quotes

- I am blessed to have had a man as extraordinary as Professor Kuh as my mentor. During his early days, Professor Kuh was instrumental in developing circuit theory, which has been very beneficial for all of us. In addition, his legendary textbook has helped lay the foundation of our EE careers. Subsequently, he became a visionary and pioneer of EDA. His research has helped to build the foundation of the physical design for today's most complex SOC's. Berkeley engineering has become one of the top institutes in the world under Professor Kuh's leadership. Professor Kuh's exceptional achievements are truly an inspiration for us all.

  — Nang-Ping Chen, President, Auspy Development Inc.
Quotes

• Professor Kuh, First I'd like to congratulate you for being recognized at ISPD for the breadth and depth of your impact in physical design - I can't imagine anyone more deserving. The magnitude of your direct contribution and that of your students has led to a dramatic impact on the field of physical design as measured by:
  – 1) novel algorithms,
  – 2) influence on other researchers
  – 3) former students teaching and
  – 4) former students driving the commercial world of physical design.

• Secondly, and on a personal note, I want to thank you for being my Ph.D. advisor, and for your mentorship and what you taught me in my days at UC Berkeley as it has had a profound impact on me, my career, my teams and my products. Congratulations once more on receiving this honor!
  – Michael Jackson VP Engineering, Physical Design Synopsys
Quotes

• We have been very grateful to Professor Kuh for what he had done to us. First, he led us to this EDA industry; 2nd, he led us to link the layout problems to algorithm and tool developments. And using this exercise he trained us to find better ways to solve problems. These laid a good foundation for us down the road. Last but not least, he provided a financial aid to allow us not only to study in such a prestigious school, but also to grow under his guidance. Very fortunate to be one of his students.

— Jeong-Tyng Li, VP, SpringSoft Electronic Design Automation
Quotes

• His vision at circuit simulation back in 1960s brought a propounding impact to EDA, starting the circuit simulation field. Later our work on Recursive Convolution for Simulation of Interconnects makes a paradigm shift for circuit simulation and has been widely used by EDA industry at solving large scaled chip and package SI and PI problems today.

  – Shen Lin, CTO, Apache Design Solutions
Quotes

• Prof. Kuh is a role model for me ever since I started my research in VLSI physical design in my first year at UIUC (which was 1986). I followed the research from Prof. Kuh's group closely. I had the honor to nominate Prof. Kuh for the EDAA Life Time Achievement Award. Prof. Kuh is also very support of international collaboration. Tim Cheng and I organized a sequence of workshops with the researchers from USA, China, and Taiwan in 2000's as part of the activities of the International Center for System-on-a-Chip (ICSOC). Prof. Kuh attended several of them and gave invited talks.

— Jason Cong, UCLA
Quotes

• 4 slides from Howard Chen, IBM
Summary

• 高山仰止，景行行止，虽不能至，心向往之 (Book of Songs)

• The mountain is so tall that I look up with awe. I climb and climb with my all. Though I may not reach the goal, my heart responds to its magnificent call.