**Fellow I-House Residents, Honorees, Guests,**

**Please allow me to introduce my wife, Margaret Leung, I-House 1970 to 71. She and I met on the I-House front steps on her very first day here. She had just arrived at UC Berkeley from Hong Kong and I had come one year earlier from Taiwan. I helped her with her big luggage. Two years later, we got married.**

**Today, I am given the I-House Global Impact Award probably because I have received international recognitions for my research on SEMICONDUCTORS. In this photo, I was accepting the US Medal of Technology from Pres. Ohama in 2016 in the White House.**

**13 years ago, the semiconductor industry adopted my invention that changed the semiconductor chips from its traditional 2-D planar structure to a 3-D vertical structure. It is like building tall multistory apartments in a crowded city, not the traditional single-story homes anymore. Doing so made the chips do a lot more work, faster, with less energy.**

 **My colleagues and I at UC Berkeley purposefully published our research results rapidly and widely to promote adoption of the technology rather than restricting adoption with patents. Today, all the cell phones, datacenters, and artificial-intelligence AI chips in the world use these 3D chips produced in Taiwan, US, South Korea, and Mainland China. Soon, they will be produced in Japan and Europe, too.**

**30 years ago, in another project, my colleagues and I created software that accurately simulates the behaviors of semiconductor chips. We have continued, EVEN TODAY, to research and release new versions of this software EVERY YEAR to keep up with advancing technologies. We offer our software as a free, ROYALTY-FREE, international standard--- so that any company in any country can use it to design chips and have the chips fabricated by other companies in other countries. IN THIS WAY, the software supports a GLOBAL semiconductor industry. For example, Nvidia, Intel, Qualcomm etc. use this software to design chips with computers in the US and can have the chips fabricated by other companies in Asia, US, or Europe.**

**Living in the I-House and working at UC Berkeley helped to build my faith in GLOBALISM and ALTRUISM. This faith in globalism and altruism and good luck guided my life’s work to advance semiconductors for digital and communication technologies. In return, I received invaluable satisfaction from helping the world to become more prosperous and interconnected than it has ever been in human history. I believe a peaceful world must be a prosperous, interconnected, and inclusive world.**

**l-House was a an educative, happy, and lucky place for me. I hope that it brings valuable experiences, good luck, and happiness to all YOU residents, too.**

**Thank you.**