I co-advised Yuyang in his Ph.D. journey at UC Santa Barbara and co-chaired his dissertation in conjunction with his advisor, Prof. Kwang-Ting Cheng. His exceptional work, especially in establishing variation-aware design automation methodologies for silicon photonics, was pioneering in this field.

Yuyang was among the first to recognize and address the need for accurate co-simulation of electronic and photonic devices and circuits in a unified platform