

Personal Information

Full name	Hsiao-Chaun Hseuh
Current position	Physicist
Organization	Brookhaven National Laboratory
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**Short Biography**

Dr. Hsiao-Chaun (Dick) Hseuh is a physicist and senior advisor at Accelerator Systems Division, National Synchrotron Light Source II Department at Brookhaven National Laboratory. He obtained his BS in chemistry from Tsinghua University in Hsinchu, Taiwan; and PhD in nuclear chemistry from Washington University in St. Louis, Mo, USA.

Dick has worked at Brookhaven National Laboratory for his entire career. He has led the design, development, construction and operation of many accelerator vacuum systems at BNL, AGS Booster, Muon G-2 storage ring, Realistic Heavy Ion Collider, Spallation Neutron Source, and lately for National Synchrotron Light Source II. Dick has consulted with and reviewed many accelerator projects worldwide, recently at Facility for Rare Isotope Beams, at Advanced Photon Source Upgrade and at Linear Coherent Light Source II.

In addition to the development of accelerator vacuum systems and components, Dick's research interest spans many areas of vacuum science and technology, including cryo-pumping of helium and hydrogen for fusion reactors, non-evaporable getter pumping, low X-ray limit Bayard-Alpert gauges, glow discharge cleaning, reactive gas cleaning, TiN coating for low SEY surface, electron cloud and ion desorption, to name a few.