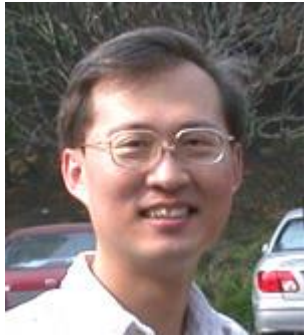


Horng-TayJeng

*Department of Physics
NationalTsingHuaUniversity*



Horng-TayJeng is a professor of the Department of Physics and Institute of Astronomy, National Tsing Hua University (NTHU), Hsinchu, Taiwan. He also held joint appointment at the Institute of Physics, Academia Sinica, Taiwan. Prof. Jeng was an associate research fellow in the Institute of Physics, Academia Sinica, Taiwan before he joined the National Tsing Hua University in 2012. Prof. Jeng focuses on investigating the electronic structures of novel transition-metal oxides as well as nano-scale systems using first-principles calculations. Recent research highlights include the metal-insulator transition in 5d iridate $\text{Sr}_3\text{Ir}_2\text{O}_7$, tunable spin electron source based on silicene, and the spin polarized bands in MoS_2 . The later two topics are of high potential in the future spintronics.

Contact information:

Tel: 辦公室電話：03-5742515 (物理館 411 室)

Fax: 03-5723052

E-mail: jeng@phys.nthu.edu.tw