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Prof. Jia-Hong Huang earned his Ph.D. (1989) in the field of materials science and engineering from University of Illinois at Urbana-Champaign, U.S.A. since 1994, he has been a full professor with National Tsing Hua University, Hsinchu, Taiwan.

He has been a director of Metal Nitride Hard Coatings Lab in Department of Engineering and System Science, National Tsing Hua University (1994-), a director of Interdisciplinary Program of Nuclear

Science, National Tsing Hua University, (2012-2014), Research Scholar of University of Illinois at Urbana-Champaign (1997-1998) and Visiting Professor of City University of Hong Kong (2002). He is currently a member of editorial board of Vacuum (2013-) and Journal of Vacuum Science and Technology A&B. He received Teaching Excellence Award for three times and Outstanding Advisor Award from National Tsing Hua University, and has been appointed to be Distinguished Professor since 2012. He was one of the founding members of Taiwan Association for Coating and Thin Film Technology (TACT). He received Outstanding Service Award for three times and Distinguished Contribution Award from TACT, and is the current president of TACT (2019-2021). He has published more than 100 peer reviewed papers and the Hi-index is 30. His research interests are focused on Synthesis and characterization of transition metal nitrides, oxynitrides and oxides thin films deposited by PVD methods. Mechanical properties and corrosion resistance of protective coatings. Texture and residual stress analysis of transition metal nitride thin films by X-ray diffraction, and fracture toughness measurements of transition metal nitride hard coatings.