

Professor Sam Zhang
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Professor Sam Zhang Shanyong (張善勇), better known as Sam Zhang, was born and brought up in the famous "City of Mountains" Chongqing, China. He received his Bachelor of Engineering in Materials in 1982 from Northeastern University (Shenyang, China), Master of Engineering in Materials in 1984 from Iron & Steel Research Institute (Beijing, China) and Ph.D. degree in Ceramics in 1991 from The University of Wisconsin-Madison, USA. He was a tenured full professor (since 2006) at the School of Mechanical and Aerospace Engineering, Nanyang Technological University. He is China National "Thousand Talents Scheme" professor, Director of the Centre for Advanced Thin Film Materials and Devices, Faculty of Materials and Energy, Southwest University, Chongqing, China.

Prof. Zhang was the founding Editor-in-Chief for Nanoscience and Nanotechnology Letters (2008-Dec.2015) and Principal Editor for Journal of Materials Research (USA) responsible for thin films and coating field (since 2003). Prof Zhang also founded the world's first and only "Thin Films Society" (www.thinfilms.sg) in 2009 and has been serving the society as its founding and current president. Prof Zhang is also the Series Editor for Advances in Materials Science and Engineering Book Series published by CRC Press/Taylor & Francis.

Prof. Zhang's research centres on the following four aspects: Hard yet tough nanocomposite coatings for tribological applications, Biological Coatings and Drug Delivery Application, Electronic Thin Films and Energy Films and Coatings. An online live update of these data is available at Prof Zhang's researcherID website: (Details are also easily accessible at his personal website <http://www.ntu.edu.sg/home/msyzhang>). Prof. Zhang's current centers in areas of Energy Films and Coatings for solar cells, Hard yet tough nanocomposite coatings for tribological applications by physical vapor deposition ; Measurement of fracture toughness of ceramic films and coatings, and Electronic/Optical Thin Films. Over the years, he has authored/co-authored some 300 peer reviewed international journal papers. As at **01/04/2018**, from Web of Science (<http://www.researcherid.com/rid/A-3867-2011>), his Articles with Citation Data: **298**, the Sum of the Times Cited: **7423**, Average Citations per Article: **24.91**, h-index: **47**; From Scopus webpage (<https://www-scopus-com.ezlibproxy1.ntu.edu.sg/authid/detail.uri?authorId=7409376020>) his Total Articles in the List: 293 Sum of the Times Cited: 8149, h-index: 48.

Prof Zhang's most recent big work was his paper *Towards high efficiency thin film solar cells* published in Progress in Materials Science, 87 : 246–291 (2017) which has an **Impact Factor of over 31** (a small audio slides explanation can be accessed through this link: <http://audioslides.elsevier.com//ViewerSmall.aspx?source=1&doi=10.1016/j.pmatsci.2017.02.003>).

Prof Zhang has also authored/edited 12 books (as listed below), 23 book chapters and guest-edited 13 Journal volumes special issues. Of the books, Materials Characterization Techniques has been adopted as textbook by around 30 American and European universities alone as of October 2015. That book had also been translated into Chinese and published by China Science Publishing Co in October 2010 and distributed nationwide in China (also available online at Amazon.cn).

Prof Zhang was conferred the title of Advisor for Talent Development to Shenyang City Government (2002) (瀋陽市政府人才資源開發顧問), Honorary Professor of the Institute of Solid State Physics, Chinese Academy of Sciences in 2004 (中科院固體物理研究所榮譽教授) and Guest Professor at Shenyang University (2002) (瀋陽大學客座教授), Zhejiang University (2006) (浙江大學客座教授) and Harbin Institute of Technology (2007). He was featured in the first ever Who's Who in Engineering Singapore (2007) (哈爾濱大學客座教授), and featured in 26th and 27th edition of Who's Who in the World. He became Fellow of the Institute of Materials, Minerals and Mining, UK, in October 2007. He has been invited to present invited or plenary keynote lectures more than 60 times at international conferences in Japan, USA, France, Spain, China, Portugal, New Zealand, Germany, etc. He is also invited by universities or industries to conduct short courses and workshops over 20 times.

Prof. Zhang is also the founding and current President of Thin Films Society (<http://www.thinfilms.sg>). He has founded the biennial *International Conference on Technological Advances of Thin Films & Surface Coatings* conference series in 2002 and has been the Chair of this very successful conference series ever since. Since 2008 this conference attracts 600 to 800 people every time it convenes.

2009年中国国庆，张教授作为“海外高层次人才”受国家邀请回国参加国庆观礼，并受到胡锦涛，温家宝，习近平等党和国家领导人的亲切接见。2010年七月二十九日，张教授作为“海外高层次人才”代表受邀在北戴河度假又一次受到习近平的接见，并受邀在与习近平的座谈会上发言。

Attached below are prof Zhang's books:



