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**Education:**

2010 PhD Mechanics, RWTH Aachen University, Germany

2007 M.S. Mechatronics, Northwestern Polytechnic University, China

2003 B.S. Mechanical Engineering, Northwestern Polytechnic University, China

**Selected Publications:**

S. Q. Zhang and R. Schmidt. Active control for piezoelectric integrated smart structures. In J.F.S. Gomes and M.A.P. Vaz, editors, Proceedings of the 15th International Conference on Experimental Mechanics, Experimental Mechanics: New Trends and Perspectives, pages 1029–1030, Porto, Portugal, 22-27 July 2012. Edicoes INEGI.

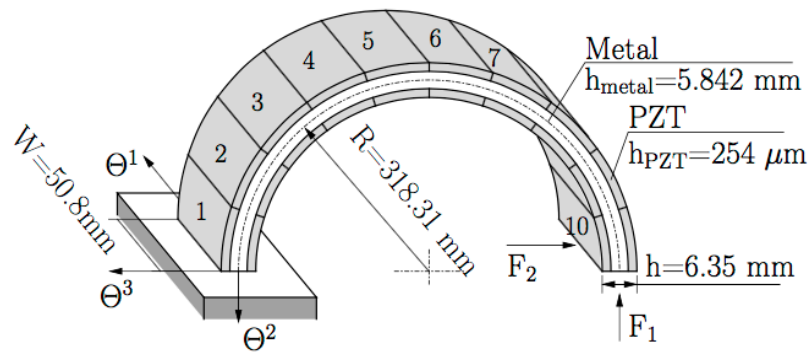
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S. Q. Zhang and R. Schmidt. Large rotation theory for static analysis of composite and piezoelectric laminated thin-walled structures. Thin-Walled Structures, 78:16–25, 2014.

S.Q. Zhang and R. Schmidt, “Geometrically nonlinear dynamic analysis of piezoelectric integrated thin-walled smart structures”, Chapter 11 in Volume 7 of Topics in Modal Analysis, Springer, 2014

S.Q. Zhang and R. Schmidt, “Static and dynamic FE analysis of piezoelectric integrated thin-walled composite structures with large rotations”, Composite Structures, Vol. 112, pp 345-357, June 2014,



**FIGURE 5.30: PZT laminated semicircular cylindrical shell**

From: Shunqi Zhang, “Nonlinear FE Simulation and Active Vibration Control of Piezoelectric Laminated Thin-Walled Smart Structures”, Ph.D. dissertation, Dept. of Machine Knowledge, Technical University of Aachen, 2014

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Shun-Qi Zhang, Ya-Xi Li and Ruediger Schmidt, “Modeling and simulation of macro-fiber composite layered smart structures”, *Composite Structures*, February 2015, DOI: 10.1016/j.compstruct.2015.02.051

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Shun-Qi Zhang, Zhan-Xi Wang, Xian-Sheng Qin, Guo-Zhong Zhao and Ruediger Schmidt, “Geometrically nonlinear analysis of composite laminated structures with multiple macro-fiber composite (MFC) actuators”, *Composite Structures*, April 2016, DOI: 10.1016/j.compstruct.2016.04.037

Shun-Qi Zhang, Guo-Zhong Zhao, Shu-Yang Zhang, Ruediger Schmidt and Xian-Sheng Qin, “Geometrically nonlinear FE analysis of piezoelectric laminated composite structures under strong driving electric field”, *Composite Structures*, August 2017, DOI: 10.1016/j.compstruct.2017.08.052

Xiao-Yu Zhang, Run-Xiao Wang, Shun-Qi Zhang, Zhan-Xi Wang, Xian-Shen Qin and Ruediger Schmidt, “Generalized-disturbance rejection control for vibration suppression of piezoelectric laminated flexible structures”, *Hindawi Shock and Vibration*, Vol. 2018, Article ID 1538936, 17 pages, <https://doi.org/10.1155/2018/1538936> , 2018

Jin-Shui Yang, De-Lin Li, Li Ma, Shun-Qi Zhang, Kai-Uwe Schroeder and Ruedinger Schmidt”, Numerical static and dynamic analyses of improved equivalent models for corrugated sandwich structures”, *Mechanics of Advanced Materials and Structures*, Vol. ?, No. ?, 12 pages, 2018