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# TCSUH Special Seminar

## Flexible Transparent Microwave Shielding Material and Its Application



### Prof. Baoqing Zheng

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Chengdu, China

**Thursday, February 14, 2019**

Room 102, Houston Science Center  
1:00 p.m. – 2:00 p.m.

**ABSTRACT:** Electromagnetic interference (EMI) shielding is increasingly important in recent decades, since most electronic devices, industrial manufacture or scientific research, can emit electromagnetic waves at radio frequencies. Transparent EMI shielding is vital for optoelectronic devices with optical windows and the Consumer Electronic Products, such as microwave ovens. Microwave oven doors are usually made of metal meshes, which shield microwaves and also permit observation of the cooking process through it. Here we report a new kind of TCF for microwave oven and low-cost detector for leakage of microwave.

**BIO:** Baoqing Zeng is a professor in the school of Electronic Science and Engineering at University of Science of Technology of China. He received the Ph.D. degree from the University of Electronic Science and Technology of China (UESTC), Chengdu, China, in 1999. He has authored or co-authored more than 100 research papers. His current research interests include field emission, microwave vacuum devices, household microwave oven design, microwave plasma, and microwave industry applications.

*Persons with disabilities who require special accommodations to attend this lecture should call (713) 743-8213.*

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