凝聚态物理-北京大学论坛

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Electron Microscope Extends Our Eyes to the Microworld of Matter

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Abstract: In this talk tracing back to the discovery of electron, the birth of electron microscope, the milestone in developing of electron microscopy, and the modern electron microscopy, etc, to help us better understanding the microworld of matter.
此讲座将追溯至电子的发现到近代科技的发展，从论述电子显微镜的诞生、电子显微镜原理，电子显微学理论及其重要应用，和近代电子显微学，带大家一起进入物质的微观世界。

About speaker: Zhu Jing, (1938..10.10-) a material scientist and one of the pioneers in analytical electron microscopy in China. She was born in Shanghai and graduated from Physics Department of Fudan University in 1962, and elected as the Member of the Chinese Academy of Sciences in 1995 and as the Fellow of the TWAS (the academy of sciences for the developing world) in 2007. She is a prof. in School of MSE, Tsinghua University, director of BNCEM (Beijing National Center for Electron Microscopy) and the Member of University Council, Tsinghua University. She was a faculty visiting associate professor in Department of Astronomy and Physics, Arizona State University (ASU), U.S. during 1984.9-1985.4 and a faculty research associate in Center For Solid State Science, ASU during 1980.10-1982.9. Her research focuses on relationship between structure and properties in solid. She proposed a rational heat treatment system and alloying principle for successful development of maraging steel that has been used as the material of the centrifugal machine for uranium in China. She investigated an individual planar fault in crystal by coherent electron diffraction. She studies in deeply understanding the size dependence of properties in nano-materials.

时间：12月5日（星期四）下午15:00—16:30

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Photograph by Xiaodong Hu