

SHAW COLLEGE

The Chinese University of Hong Kong
Shatin, N.T., Hong Kong



香港中文大學
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News Release

Materials Scientist as distinguished visiting scholar to the Chinese University

The 1996/97 Sir Run Run Shaw Distinguished Visiting Scholar of Shaw College, The Chinese University of Hong Kong is Professor James Mayer, one of the world's foremost materials scientists.

Professor James Mayer has had many honours and awards in his impressive career. He was elected a Fellow of the American Physical Society as long ago as 1972 for his development of semiconductor nuclear particle detectors, and at about the same time to the Fellowship of the Institute of Electrical and Electronic Engineering for his achievements in the doping of semiconductors by ion implantation. This technique had triggered the microelectronics revolution and is now an essential part of the manufacture of integrated circuits. Professor Mayer's another distinguished contribution to materials science is his establishment of the Rutherford Backscattering Spectrometry, which uses ion beams, not to modify solids, but to analyze them. As a result of his work, Professor Mayer spans, as a giant, the three disciplines of Physics, Materials Science, and Engineering.

Professor Mayer will hold a public lecture entitled "Revelations Beneath the Surface : The Science of Art" on January 13, 1997 at 5:00 pm at the Lecture Theatre of Shaw College, the Chinese University. He will talk about the new technique of using infrared or X-rays and ion and neutron beams to analyze the composition of a painting, a technique which, amongst others, is now being used to investigate works of art.

Free coach service to Shaw College will be provided at the KCR University Station at 4:30 and 45 that day. Press interviews welcome. For enquiries, please call 2609 7360.