



# 新聞稿 PRESS RELEASE

香港中文大學電子工程學講座教授魏爾遜教授 (Ian H Wilson) 將於三月廿七日 (星期五) 下午五時正在該校邵逸夫人樓 LT1 講室以英語主持就職演講，講題為「原子子彈、硅蕊片及半導體表面」，歡迎各界人士出席聽講。

演講內容包括對高速原子 (原子子彈) 轟擊固體的描述；對在受轟擊表面上發生的現象，及製造微電子器件 (硅蕊片) 的一些機器的介紹；並講述魏教授本人在這方面的研究成果的一些應用。

此外，魏教授也會介紹他多年來研究離子轟擊腐蝕半導體表面形貌變化這課題中的一些有趣發現，包括用掃描隧道電鏡得到在原子尺度下的一些意想不到的新發現。其他課題還有超微電子技術領域中的最新發展等。

魏爾遜教授擅長研究微電子學及半導體科技，早年於英國雷定大學攻讀物理，一九六二年獲理學士學位，六六年獲哲學博士學位。魏教授自七一年起於英國薩里大學電子及電機工程學系任教，直至九一年一月受聘於香港中文大學。期間曾任美國亞利桑那州立大學物理系傑出客座教授。魏教授為美國電機及電子工程師學會會員及英國物理研究院院士。

一九九二年三月廿三日

Professor Ian H Wilson, Professor of Electronic Engineering at The Chinese University of Hong Kong will deliver his Inaugural Lecture on Friday, March 27, 1992 at 5:00 pm in Lecture Theatre LT1 of the Lady Shaw Building at the University. Entitled "Atomic Bullets, Silicon Chips and Semiconductor Surfaces", the lecture will describe bombardment of solids by atoms accelerated to high velocity (atomic bullets). The phenomena that occur in the target surface and the machines that are used in making microelectronic devices (silicon chips) will be introduced as will some applications from the author's own work.

The lecture will also describe some of the many interesting discoveries made in a long study of the changes in surface topography of semiconductor surfaces as a result of ion bombardment etching. Unexpected recent results at the atomic scale using scanning tunnelling microscopy will be described. The exciting and challenging world of nanoelectronics will be introduced. All are welcome.

An expert in microelectronics and semiconductor technology, Professor Wilson received his BSc and PhD degrees from the University of Reading, UK in 1962 and 1966 respectively. He taught at the Department of Electronic and Electrical Engineering of the University of Surrey from 1971 until he joined the CUHK in January 1991. In 1987-88, he was distinguished visiting professor of the Physics Department of Arizona State University in the USA. Professor Wilson is a member of the IEEE and a Fellow of the Institute of Physics.

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