



The Institute of Mathematical Sciences  
The Chinese University of Hong Kong

數學科學研究所  
香港中文大學

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Unit 601, Academic Building No. 1, The Chinese University of Hong Kong, Shatin, N.T., Hong Kong

# Leung Yeuk Lam Lecture Series

## From Elementary Geometry and Waves to the Einstein Equations

By

**Prof. Richard Schoen**

Robert M. Bass Professor of Humanities and Sciences  
Department of Mathematics, Stanford University

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The Chinese University of Hong Kong

Prof. Richard Schoen is a world leader in geometric analysis. In 1983, he was awarded a MacArthur fellowship and, in 1991, selected as a member of the National Academy of Sciences of USA. In 1979, together with Prof. Shing-Tung Yau, he proved the fundamental positive energy theorem in general relativity; and in 1984, he obtained a complete solution to the Yamabe problem on compact manifolds. Recently Prof. Schoen and fellow Stanford mathematician Simon Brendle proved the differentiable sphere theorem which is an important result in the theory of positively curved manifolds. In this talk, Prof. Schoen will show you the beautiful mathematics in the Einstein theory of general relativity with emphases in geometry and wave equation.

Date: December 16, 2008 (Tuesday)

Time: 5:30pm – 6:30pm

Venue: LT3, Lady Shaw Building, CUHK  
香港中文大學邵逸夫夫人樓3號演講廳

*For further information, please contact Prof. Conan Leung*

*By*

*Phone: 2609 8065 or email: [leung@ims.cuhk.edu.hk](mailto:leung@ims.cuhk.edu.hk)*

*All are Welcome*



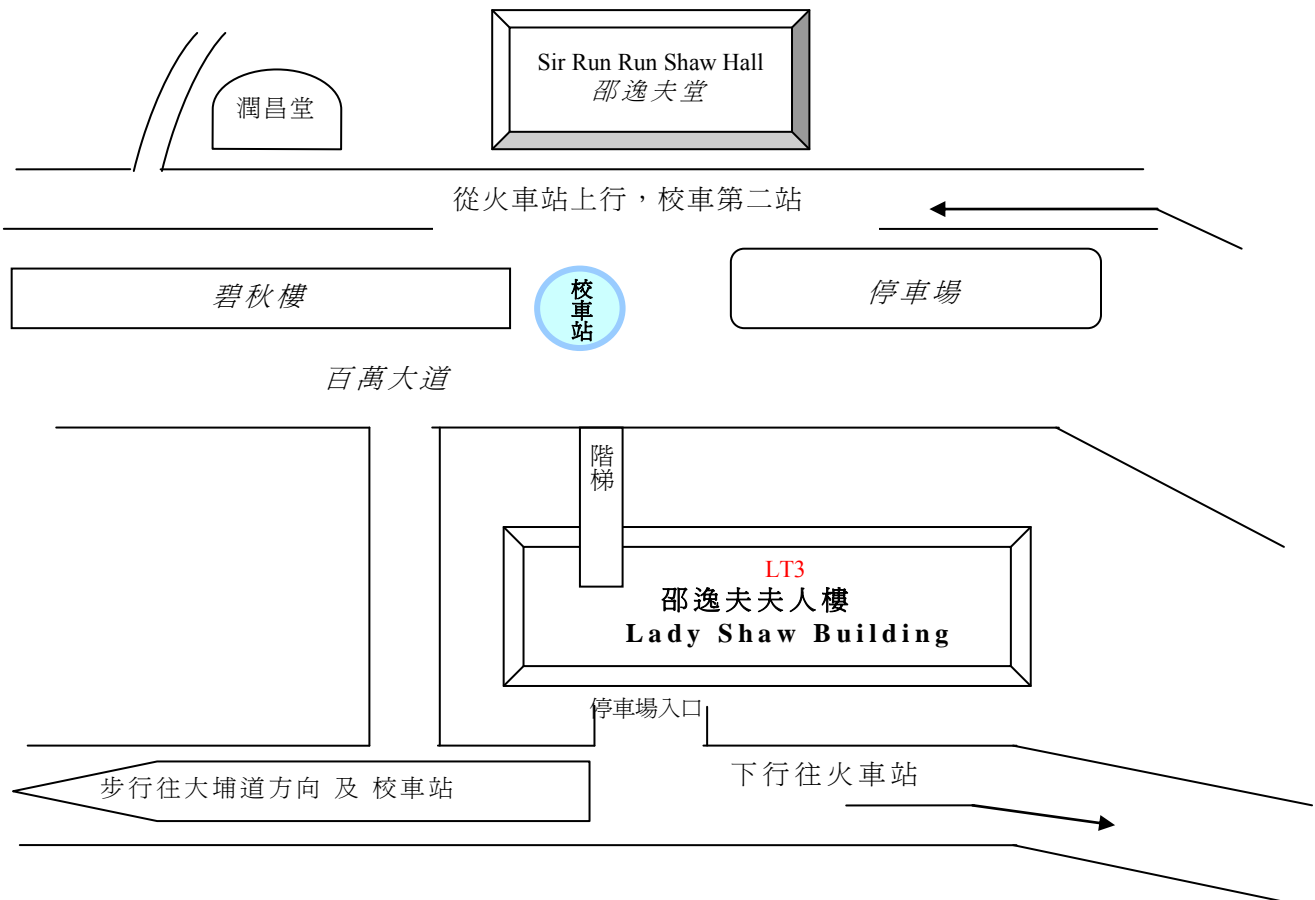
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### Direction to LT3, Lady Shaw Building



#### MTR Station

After coming out of the MTR station, you can see the campus bus station. There are free bus shuttles every 5 to 10 minutes. Please alight at the second stop (Sir Run Run Shaw Hall), then walk straight through the road and go downstairs, you can see the LT3 on your left. In order to attend the talk, please arrive the campus bus station before 5:15pm on that day.

#### Tai Po Road

Take buses (70, 72, 72A, 73A and 74A) and alight at the front door of the University (the previous bus stop is Chung Chi College). It takes about 5 minutes to walk to the Lady Shaw Building along the university main road.

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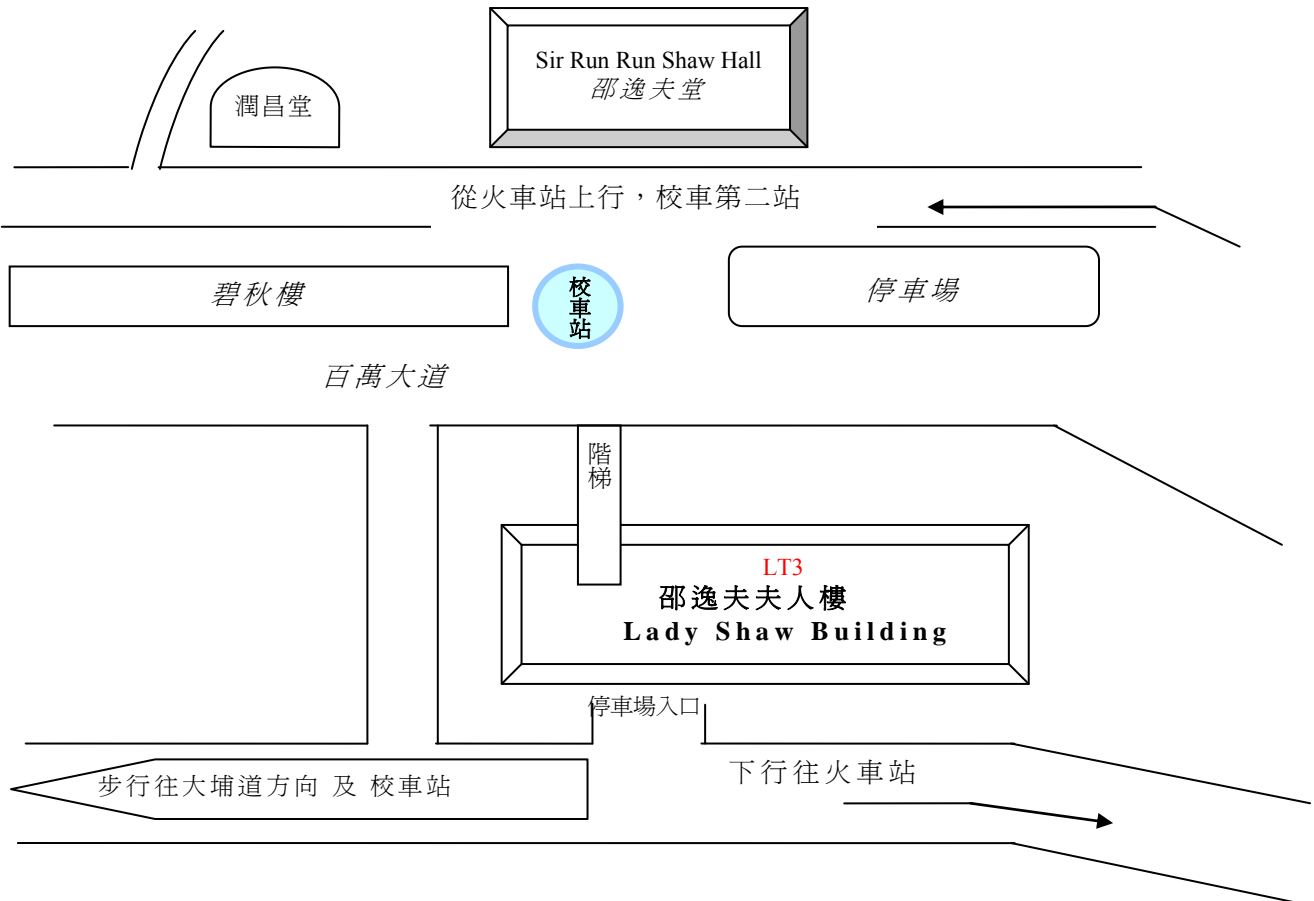


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## 邵逸夫夫人樓指示圖



### 經火車站

從火車站走進校園，你會見到校車總站。校車免費，大約5到10分鐘一趟。請於校車第二站邵逸夫禮堂落車。然後直走穿過百萬大道，下階梯後可以看到3號演講廳。請各參加同學於當日下午5時15分之前到達校車總站，以免錯過演講時間。

### 經大埔道

乘搭經大埔道的公共汽車(70, 72, 72A, 73A 及 74A巴士)，可於中文大學正門的車站下車(前一站為崇基書院)。從巴士站到邵逸夫夫人樓，步行約需五分鐘。

*All are Welcome*