



**THE CHINESE UNIVERSITY OF HONG KONG**  
**Department of Physics**  
**Centre of Optical Sciences**  
**SEMINAR**

# **PVDF- Ferroelectric Polymers- Applications and Theoretical Studies**

*by*

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*Date: July 2, 2009 (Thursday)*

*Time: 4:00 - 5:00 p.m.*

*Place: L2, Science Centre, CUHK*

ALL INTERESTED ARE WELCOME  
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## **Abstract**

Poly(vinylidene-fluoride) [PVDF,  $-(\text{CH}_2\text{-CF}_2)_n-$ ] is one of the well-known crystalline ferroelectric polymers. In this presentation, we shall introduce its fabrications, applications, and then our theoretical studies on the electronic, optical, and dynamic properties using first-principles total-energy calculations and molecular dynamics simulations.

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