
臺灣大學應用力學研究所

演講公告

- 主 講 人:李銘晃助理教授 清華大學動力機械工程學系
- 講 題:薄膜鈮酸鋰射頻微機電元件
- 主 持 人: 李尉彰助理教授
- 時 間: 109年11月9日(星期一)下午2時20分開始
- 地 點: 臺灣大學應用力學研究所國際會議廳

☆☆ 歡迎聽講,敬請張貼 ☆☆

薄膜鈮酸鋰射頻微機電元件

李銘晃助理教授

清華大學動力機械工程學系

Abstract

This talk briefly reviewed the latest progress and development work of lithium niobate (LiNbO₃/LN) thin film devices. Theoretical work in 90s has shown that if thin-film lithium niobate can be realized, it can open up new horizons for various plate/Lamb wave modes with high electromechanical coupling and high phase velocity. To elaborate on the potential and performance of LN thin film devices for RF applications, this talk will first discuss the acoustic modes at a device designer's disposal and their characteristics. Next, several demonstrations for overcoming the challenges in translating LN's great material properties to working devices will be discussed.