

THE IEE HONG KONG YOUNGER MEMBERS SECTION

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電機工程師學會 香港分會
青年會員部

中學推廣活動

工作坊: 電子琴

日期 : 二零零六年二月廿五日(星期六)
時間 : 9:15am~11:45am
地點 : 理工大學工業中心
語言 : English-廣東話

工作坊概要

這次製作的工作坊是為中學生精心而設的。為了提升中學生對製作電子線路的認識，本會設計一個富娛樂性和趣味性的工作坊給予學生們參與。由一個富經驗的導師指導同學們製作出一個獨一無二的“電子琴”，能提供八個音階的音域，產生出來的聲音如電子音樂聖誕咭般。讓學生由零開始建立一部電子琴，將一道心愛的歌曲注入親手製作的電子琴，感受製作過程中的樂趣。

學生能在這次的工作坊裏，懂得製作一個振動器線路，利用實驗室裏的專業器材製作電子線路。在製作電子琴的過程中，讓學生學會焊錫技巧、圖表認知及將零焊接在電路版上。製作電子琴的電子零件如下：

- DIP 8pin IC (NE555)
- Resistor
- Capacitor
- Push button
- LED
- Buzzer

中學推廣活動 (SSP) 背景

1. 建立一個有效渠道增加學生對工程學的認知
2. 讓學生加深對工程對社會中扮演的角色及所作出的貢獻
3. 提供一個良好環境讓學生創造自對工程的夢想與熱誠
4. 邀請工程師向大家分享過往[的經驗
5. 簡介大學工程科之課程大綱

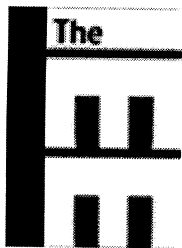
聯絡資料

獲取更多有關本工作坊資料，請聯絡 Nancy Tai。

電話號碼：27781611 電郵：admin@iee.org.hk

留下閣下 1.姓名 2.學校名稱 3. 電郵地址 4. 聯絡電話 5. 年級 (F4 - F7)

截止日期: 二零零六年二月廿日 (人數限定 - 30 參加者) [To be confirmed]



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About the IEE

Who we are

Founded in 1871, the IEE is the largest professional engineering society in Europe and has a worldwide membership of 120,000. These men and women, who have joined together to promote the advancement of electrical, electronic and manufacturing science and engineering, range from students to the most distinguished and highly qualified members of the profession.

The IEE is a Registered Charity No. 211014.

What we do

- represents the profession of electrical, electronic, manufacturing and systems engineering and related sciences.
- acts as the voice of the profession in matters of public concern and assists Government to make the public aware of technological issues.
- sets standards of qualifications for professional electrical, electronics, software, systems and manufacturing engineers.
- accredits degree courses in subjects relevant to electrical, electronic, manufacturing and information engineering at universities and colleges around the world.
- accredits professional development schemes for engineering graduates.
- awards scholarships, grants and prizes.
- issues regulations for the safe installation of electrical and electronic equipment and takes a leading part in the formulation of national and international standards.
- provides an extensive range of lectures, meetings, conferences, seminars, residential vacation schools and publications.
- sets standards for the professional conduct of its members.
- assists Government to make the public aware of technological issues.
- offers guidance on best practice in professional development.
- operates a Career Advisory Service to give advice and assistance to members on various aspects of career development.
- operates a Learning Resources Service to provide details of potential professional development activities provided by both the IEE and other organisations.
- operates a computer-assisted information service, Inspec, which has the world's largest computerised database in the English language in physics, electrotechnology, computer science and control engineering.
- provides business and technical information on electrical, electronic, IT and manufacturing subjects.