

摘要：

Research conducted in Kilby Labs is intended to incubate and then rapidly demonstrate the feasibility of highly innovative and disruptive product ideas on silicon. There are four sub groups in Kilby Lab, the Motor Lab, Acoustic Lab, Energy Lab and Sensor Lab. We will introduce couple of example of the innovation in Audio and Sensing field, how it changes our life and the benefit from it.

在德州儀器 Kilby 實驗室所進行的各項研究，旨在發展孕育半導體的高度可塑性，以及迅速展現高度創新和顛覆性的產品理念。在 Kilby 實驗室，有四組針對不同的領域做更精密的研究：電機實驗室，聲學實驗室，能源實驗室和傳感實驗室。我們將介紹其中的幾個的例子，在音訊和感測領域，這些新的應用如何改變了我們的生活，並從中受益。

講者簡介

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Ryan Hsiao joined Texas Instruments starting from 1995 till now, spending most of his time in supporting audio and video application, research area including 3D Audio algorithm, Noise Cancellation, Sound Steering algorithm, Image Processing etc. Ryan was elected as Senior Member of the Technical Staff (SMTS) in 2012, and the Chairman of TI Asia Technical Council today.

1995 年加入德州儀器到現在，專研在音源和視頻的應用技術，研究領域包括 3D 音源，噪音消除，聲音控制，圖像處理... 等。在 2012 年獲選為全球德州儀器資深技術委員（SMTS）及德州儀器亞洲技術委員會主席至今。