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**經歷** 致遠管理學院 電機工程學系副教授兼系主任 2008/1~2009/7  
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中山科學研究院 水下科技組助研員 1989 / 7~2000 /8  
統懋半導體 晶圓製造工程師 1984 / 9~ 1987 /9

**專長1** 超聲波元件與系統設計應用

**專長2** 積體電路設計、製造

**專長3** 電子儀表與自動量測

**專長4** 數位媒體設計

### 教師研究成果資料明細



#### SCI、SSCI、A&HCI、EI、TSSCI期刊論文

1. 陳永欽(Chen Yeong-Chin) ,2010-04, (已刊登)

ACTA MECHANICA SOLIDA SINICA 23卷2期:123頁~134頁  
ACOUSTICAL TRANSMISSION LINE MODEL FOR ULTRASONIC TRANSDUCERS  
FOR WIDE-BANDWIDTH APPLICATION

2. 陳永欽(Chen Yeong-Chin) ,2011-01, (已刊登)

INTERNATIONAL JOURNAL OF ELECTRONICS 12卷9期:1993頁~1999頁  
Modelling and optimum design of ultrasonic transducer for therapy application

3. 陳永欽(Chen Yeong-Chin)\* ,2010-09, (已刊登)

JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS  
12卷9期:1993頁~1999頁  
Modeling of thin film bulk acoustic wave resonators and ladder-type filter design

4. 陳永欽(Chen Yeong-Chin) ,2011-07, (已刊登)

APPLIED MATHEMATICAL MODELLING 卷35期:3334頁~3344頁  
A comparative assessment of classification methods for resonance frequency  
prediction of Langevin piezoelectric transducers

5. 陳兆南(Chao-Nan Chen)\*、陳永欽(Chen Yeong-Chin) ,2011-06, (已刊登)

JAPANESE JOURNAL OF APPLIED PHYSICS 50卷6期:066501頁~066504頁  
Laser Direct Patterning of Organic Dielectric Passivation Layer for Fabricating  
Amorphous Silicon Thin-Film Transistors

6. 陳永欽(Chen Yeong-Chin) ,2010-12, (已刊登)

Proceedings of the 2010 Symposium on Piezoelectricity, Acoustic Waves and  
Device Applications 卷期:397頁~402頁  
Wide Bandwidth Ultrasonic Transducer Design using a Lumped Oscillation Coupled  
Model

7. 陳永欽(Chen Yeong-Chin) ,2010-12, (已刊登)

Proceedings - 4th International Conference on Genetic and Evolutionary Computing  
卷期:606頁~609頁  
Unsupervised speaker clustering using SVM training missclassification rate for  
meeting short-duration speech signals

**8. 陳兆南(Chao-Nan Chen)、陳永欽(Chen Yeong-Chin) ,2011-01, (已刊登)**

Japanese Journal of Applied Physics 50卷6期:066501頁~066501-4頁  
Laser Direct Patterning of Organic Dielectric Passivation Layer for Fabricating Amorphous Silicon Thin-Film Transistors

**9. 陳正一(Cheng-I Chen)\*、陳永欽(Chen Yeong-Chin) ,2011-03, (已刊登)**

2011 Asia-Pacific Power and Energy Engineering Conference 卷期:1頁~4頁  
A Wide-Area Measurement Concept with Low-Cost Terminal Acquisition Units for Power System Quality Analysis

**10. 陳永欽(Chen Yeong-Chin) ,2010-12, (已刊登)**

Proceedings of the 2010 Symposium on Piezoelectricity, Acoustic Waves and Device Applications 卷期:310頁~314頁  
Fabrication of PZT by sol-gel method

**11. 陳永欽(Chen Yeong-Chin) ,2011-08, (已刊登)**

Proceedings of Advances in Information Technology and Education - International Conference (CSE 2011) 201卷期:266頁~273頁  
RBF network with sliding-mode control for chaos systems

**12. 陳永欽(Chen Yeong-Chin) ,2011-08, (已刊登)**

Proceedings of Advances in Information Technology and Education - International Conference (CSE 2011) 201卷期:258頁~265頁  
Neuron With Sliding-Mode Control For Nonlinear Systems

**13. 陳永欽(Chen Yeong-Chin) ,2011-08, (已刊登)**

ICIC Express Letters 2卷4期:987頁~994頁  
Nonlinear Resistance Effects on Bifurcations And Chaos Phenomenon of Chua's Circuit