

# 中正大學電機工程研究所暨通訊工程研究所 博士班論文等級認定標準

96 年 5 月 25 日系務會議通過  
98.10.30 電機系與通訊系聯合系務會議修正通過  
101.1.13 電機系與通訊系聯合系務會議修正通過  
104.6.12 電機系與通訊系聯合系務會議修正通過  
110.05.05 電機系與通訊系學術委員會通過  
110.9.24 電機系與通訊系聯合系務會議通過

## 一、 共同部份列出：

Grade	Paper	Comment
A	IEEE Trans. on (Special Topics)	regular paper
A	IEEE Journal of (Special Topics)	
A	ACM Trans. on (Special Topics)	
A	Proceedings of the IEEE	
A	IEEE Spectrum	
<u>A</u>	<u>SCI 期刊所屬 EE 領域(JCR 分類) Impact Factor 排名前 25% 之期刊</u>	
B	IEE/IET Proceedings (Special Topics)	regular paper
B	等級為 A 類之期刊，其 Short paper 或 Correspondence 均屬之	
B	IEEE 各 Society 之 Magazine	regular paper
B	國際學術期刊屬性為 Letters 者	
B	IEICE Trans. on (Special Topics)	regular paper
<u>B</u>	<u>SCI 期刊所屬 EE 領域(JCR 分類) Impact Factor 排名前 50% 之期刊</u>	<u>regular paper</u>
B	具全文審查且接受率在 35%(含)以下之國際學術會議論文	以該項申請時，申請人須檢附全文審查及接受率證明文件
<u>C</u>	<u>SCI 期刊所屬 EE 領域(JCR 分類) Impact Factor 排名前 75% 期刊</u>	<u>regular paper</u>
C	等級為 B 類之期刊，其 Short paper 或 Correspondence 均屬之	
C	Journal of the Chinese Institute of Engineers (JCIE) (中國工程學刊)	含 regular paper, short paper, correspondence
C	中研院 J. of Information Science and Engineering	含 regular paper, short paper, correspondence

C	J. of the Chinese Institute of Electrical Engineering	含 regular paper, short paper, correspondence
C	國科會研究彙編	含 regular paper, short paper, correspondence
C	具全文審查且接受率在 65%(含)以下之國際學術會議論文	以該項申請時，申請人須檢附全文審查及接受率證明文件
D	<u>SCI 期刊所屬 EE 領域(JCR 分類)期刊</u>	<u>regular paper</u>
D	其他之國際學術會議論文或具全文審查之國內學術會議論文	以該項申請時，申請人須檢附相關證明文件

備註：

- (i.)各組所列之標準與共同部份發生抵觸時，以各組所列之標準為主。
- (ii.)各組對同一種期刊在 SCI 歸屬於同一領域等級之認定差距不得超過一級。
- (iii.)學術委員會於每年 5 月開會討論／決定各項認定標準是否調整。不屬於本認定標準 A 類期刊之新出期刊，若尚無 SCI impact factor，一律不列入討論。
- (iv.)國際研討會論文若獲得 Best Paper Award 等級得升一級。
- (v.) Lecture Note 屬性論文歸屬於會議論文計點。
- (vi.) SCI 期刊所屬 EE 領域 Impact Factor 排名，以最新公佈年度資料為準。
- (vii) 本認定標準適用於 110 學年度之後入學的博班學生，博班舊生 則可自由選擇適用新或舊標準。

二、網路通訊組博士班特定全文(Full-Paper)等級認定標準：

等級	特定期刊	Impact Factor	Ranking			
A	Computer Networks (Elsevier)	<b>1.304</b>	18/67	22/45	44/99	91/229
A	Optical Fiber Technology	<b>1.253</b>	19/67	26/64		98/229
A	ETRI Journal (Electronics Telecommunications Research Institute)	<b>1.109</b>	24/67			111/229
A	Wireless Networks	<b>1.194</b>	22/67		49/99	105/229
A	Mobile Networks & Applications	<b>1.619</b>	14/67	17/45	37/99	
A	SIAM Journal on Applied Mathematics	<b>1.110</b>	44/175			
A	IEEE Communications Letters	<b>1.232</b>	21/67			
A	IEEE Network	<b>3.068</b>	5/67	5/45	9/99	22/229
A	IEEE Wireless Communications	<b>3.180</b>	4/67	4/45	7/99	18/229
A	IEEE Pervasive Computing	<b>2.615</b>	7/67		12/99	31/229
A	Performance Evaluation	<b>1.524</b>	24/84	18/45		
A	Information Sciences	<b>3.095</b>			8/99	
A	EURASIP Journal on Wireless Communications and Networking	<b>0.976</b>	26/67			123/229
A	Journal of Parallel and Distributed Computing (Academic Press)	<b>1.168</b>	36/84			
A	Wireless Communications & Mobile Computing	<b>0.909</b>	31/67		64/99	128/229
等級	特定期刊	Impact Factor	Ranking			
B	IEEE Trans on Consumer Electronics	<b>0.985</b>	28/67			121/229
B	Wireless Personal Communications	<b>0.331</b>	53/67			
B	International Journal of Communication Systems	<b>0.394</b>	48/67			

B	Journal of Network and Systems Management	<b>0.685</b>	37/67		78/99	
B	Computer Communications	<b>0.884</b>	32/67		65/99	130/229
B	Telecommunication Systems	<b>0.396</b>	47/67			
B	IEICE 相關期刊之Full Paper					
B	Journal of optical networks	<b>0.941</b>	30/67			
B	Fuzzy Sets and Systems	<b>1.833</b>	20/84	13/175	15/92	
B	European Transaction on Telecommunications (AEI)	<b>0.472</b>	43/67			
B	Journal of Network and Systems Management	<b>0.685</b>	38/67		78/99	
B	International Journal of Distributed Sensor Networks	<b>0.722</b>	36/67		72/99	
B	Internet Research	<b>0.800</b>	35/67		68/99	
B	International Journal of Satellite Communications and Networking	<b>0.607</b>	39/67	10/25		
B	Computer Communication Review	<b>0.619</b>			81/99	
B	Annals of telecommunications	<b>0.333</b>	51/67			
B	International Journal of Communication Systems	<b>0.394</b>	48/67			188/229
B	Applied Mathematics and Computation	<b>0.961</b>	61/175			
B	Personal and Ubiquitous Computing	<b>0.865</b>	33/67		67/99	
B	Journal of Intelligent Manufacturing	<b>1.018</b>	59/94	16/38		
B	Telecommunications Policy	<b>1.244</b>	20/67			
B	Photonic Network Communications	<b>0.427</b>	44/67	54/64	90/99	
等級	特定會議	<b>Impact Factor</b>	<b>Ranking</b>			
B	IEEE International Conference on Communications (ICC)					

B	IEEE Global Communications Conference (GLOBECOM)					
等級	特定期刊	<b>Impact Factor</b>	<b>Ranking</b>			
C	除本系共同以及上述特定之A、B類期刊外，在SCI/EI/SSCI具全文審查之學術期刊或會議論文					
C	J. of High Speed Networks	<b>0.196</b>	57/67	44/45	98/99	205/229
C	Journal of Communications and Networks (JCN)	<b>0.273</b>	55/67		95/99	
C	International Journal of Quality & Reliability Management					
C	International Journal of Parallel and Distributed Systems and Networks (IASTED)					
C	International Journal of Modeling and Simulation (IASTED)					
等級	特定期刊	<b>Impact Factor</b>	<b>Ranking</b>			
D	其它不列於共同部分C級之全文審查之學術期刊					

TELECOMMUNICATIONS 總篇數 67

COMPUTER SCIENCE, INFORMATION SYSTEMS 總篇數 99

ENGINEERING, ELECTRICAL & ELECTRONIC 總篇數 229

MATHEMATICS, APPLIED 總篇數 175

AUTOMATION & CONTROL SYSTEMS 總篇數 53

COMPUTER SCIENCE, HARDWARE & ARCHITECTURE 總篇數 45

OPTICS 總篇數 64

COMPUTER SCIENCE, THEORY & METHODS 總篇數 84

ENGINEERING, AEROSPACE 總篇數 25

COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE 總篇數 94

ENGINEERING, MANUFACTURING 總篇數 38

三、通訊系統組博士班論文評估分類表：

Grade	Journal	Comment
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**特定期刊**

A	IEEE Wireless Communications	SCI (4/67, 3.180)
A	IEEE Communications Magazine	SCI (6/67, 2.799)
A	IEEE Signal Processing Magazine	SCI (9/229, 3.758)
A	Signal Processing	SCI (96/229, 1.256)
A	Pattern Recognition	SCI (17/229, 3.279)

**IEEE 通訊領域指標性期刊(含 Correspondence、Short Paper 與 Letter 技術性**

**論文)**

A	IEEE Transactions on Communications	SCI (12/67, 2.070)
A	IEEE Transactions on Wireless Communications	SCI (11/67, 2.181)
A	IEEE Communications Letters	SCI (21/67, 1.232)
A	IEEE Transactions on Information Theory	SCI (8/229, 3.793)
A	IEEE Transactions on Signal Processing	SCI (39/229, 2.335)

**特定期刊**

B	本組所列 A 級通訊系統領域特定期刊之 Correspondence、Letter 與 Short Paper	
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**特定期刊(僅含 Regular Papers)**

B	IET Communications	SCI (195/229, 0.345)
B	IET Signal Processing	SCI (142/229, 0.762)
B	ETRI Journal	SCI (24/67, 1.109)
B	International Journal of Satellite Communications and Networking	SCI (39/67, 0.607)
B	Wireless Communications & Mobile Computing	SCI (31/67, 0.909)
B	Multidimensional Systems and Signal Processing	SCI (169/229, 0.486)
B	Wireless Personal Communications	SCI (53/67, 0.331)
B	International Journal of Communication Systems	SCI (48/67, 0.394)
B	IEEE Transactions on Consumer Electronics	SCI (121/229, 0.985)
B	Telecommunication Systems	SCI (47/67, 0.396)
B	European Transactions on Telecommunications	SCI (43/67, 0.472)
B	Journal of Communications and Networks	SCI (55/67, 0.273)
B	BELL LABS Technical Journal	SCI (42/67, 0.492)
B	Digital Signal Processing	SCI (74/229, 1.486)

- B EURASIP Journal on Advances in Signal Processing SCI (115/229, 1.055)  
 B EURASIP Journal on Wireless Communications and  
 Networking SCI (29/67, 0.976)

### IEEE 通訊領域指標性學術會議

- B IEEE International Conference on Communications (ICC)  
 B IEEE Global Communications Conference  
 (GLOBECOM)

### 特定期刊

- C 本組所列 B 級特定期刊之 Correspondence、Letter 與  
 Short Paper  
 C 除本系共同部分及本組所列 A、B 級期刊，在 SCI/  
 EI/SSCI 具全文審查之學術期刊論文

### IEEE 通訊領域重要學術會議

- C IEEE International Symposium on Information Theory  
 (ISIT)  
 C IEEE International Conference on Acoustics, Speech and  
 Signal Processing (ICASSP)  
 C IEEE International Symposium on Personal Indoor,  
 Mobile and Radio Communications (PIMRC)  
 C IEEE Wireless Communications and Networking  
 Conference (WCNC)  
 C IEEE Vehicular Technology Conference (VTC)  
 C IEEE International Symposium on Circuits and Systems  
 (ISCAS)  
 C IEEE Information Theory Workshop (ITW)  
 C MILCOM  
 C The Asilomar Conference on Signals, Systems, and  
 Computers

### 國內通訊領域重要學術會議

- D 全國電信研討會  
 D 民生電子研討會

- ※ Comment 欄位的格式為 SCI (在 SCI 期刊中的 Rank, 在 SCI 期刊中的 Impact Factor).  
 Rank 若為 X/67 表示在 SCI 期刊分類 Category 為 Telecommunications. Rank 若為 X/229  
 表示在 SCI 期刊分類 Category 為 Engineering, Electrical and Electronic.  
 ※ Rank 與 Impact Factor 為 2008 年 SCI 資訊.

四、電磁晶片組博士班特定全文(Full-Paper)等級認定標準：

等級	特定期刊
A	IEEE/ASME Journal of Microelectromechanical Systems (3.005/ 3%)
A	Journal of Applied Physics (2.498/14%)
A	Physical Review-B (3.185/12%), American Physical Society
A	Journal of Micromechanics and Microengineering (2.499/4%), Institute of Physics
A	IEEE Microwave Magazine
A	IEEE Circuits and Devices Magazine
A	IEEE Wireless Communications Magazine
A	IEEE Communications Magazine
等級	特定期刊
B	Applied Physics Letters (4.127/5%), American Institute of Physics
B	APS, Physical Review Letters (7.489/6%), American Physical Society
B	IEEE Trans. On Consumer Electronics (0.6/44%)
B	Microwave and Optical Technology Letters (0.423/65%)
B	Wireless Personal Communications (* /69%)
B	Journal of Infrared and Millimeter Waves (0.337/75%)
B	Telecommunication Systems (0.409/58%)
B	European Transaction on Telecommunications (0.202/76%)
B	IEEE International Microwave Symposium
B	IEEE RFIC Symposium
等級	特定期刊
C	除前列 A、B 類期刊，在 SCI/EI/SSCI 具全文審查之學術期刊論文。



C	Microwave Journal (0.167/87%)
C	Microwaves & RF (0.049/88%)
C	RF Design (*/* )
C	Asia-Pacific Microwave Conference
C	European Microwave Conference Proceedings
C	IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting

五、信號與媒體通訊組博士班特定全文(Full-Paper)等級認定標準：

等級	特定期刊
A	Communications ACM
A	SIAM J. on Applied Mathematics
A	Signal Processing
A	Signal Processing : Image Communication
A	Pattern Recognition
A	Image and Vision Computing
A	International Journal of Computer Vision
A	Graphical Models
A	Computer Vision and Image Understanding
A	International Journal of Circuit Theory and Applications
A	Journal of Optical Society of America - A
A	Journal of Optical Society of America - B
A	Journal of Electronic Imaging
A	Expert Systems with Applications
A	Computerized Medical Imaging and Graphics
A	Artificial Intelligence in Medicine
A	Computers in Biology and Medicine
A	International Journal of Medical Informatics
A	Medical Engineering & Physics
A	Medical & Biological Engineering & Computing
A	Computer Methods and Programs in Biomedicine
A	Optics Express (需十頁(含)以上，方得列為A級)

A	Journal of the Optical Society of America A
A	Applied Optics
A	Optics communications
A	Physica A - Statistical Mechanics and its Applications
等級	特定期刊
B	IEEE Trans. on Instrument Measurement
B	IEEE Trans. on Consumer Electronics
B	Circuits Systems and Signal Processing
B	Multidimensional System and Signal Processing
B	Journal of Visual Communication and Image Representation
B	EURASIP Journal on Applied Signal Processing
B	Digital Signal Processing
B	Optics Letters
B	Physiological Measurement
等級	特定期刊
C	除本系共同部分及本組所列 A、B 類期刊，在 SCI/EI/SSCI 具全文審查之學術期刊論文。
C	Journal of Chinese Institute of Engineers
等級	特定會議
C	在未能出具接受率的國際會議論文中，若屬於 oral，且 oral 篇數佔該會議總論文篇數少於 50% 者，得認定為 C 類。例外者可由教授直接認定為 C 類，但不得多於 2 篇。
C	屬於 IEEE 系列國際會議 (在會議名稱直接掛上 IEEE 者)，具全文審查者，但無接受率可資認定者，列為 C 級。

六、**計算機工程組**博士班特定全文(Full-Paper)等級認定標準：

等級	特定期刊
A	SIAM 相關期刊
A	Applied Optics
A	Artificial Intelligence
A	Autonomous Agents and Multi-Agent Systems
A	Autonomous Robots
A	Computer Vision and Image Understanding
A	IEEE Computer Graphics and Applications
A	IEEE Intelligent Systems
A	Image and Vision Computing
A	International Journal of Computer Vision
A	International Journal of Robotics Research
A	Journal of Artificial Intelligence Research
A	Journal of Optical Society of America A: Optics, Image Science & Vision
A	Journal of Physics D: Applied Physics
A	Pattern Recognition
A	Information Sciences: 3.095
A	Journal of Mathematical Imaging and Vision: 1.331
A	Neural Computation: 2.378
等級	特定期刊
B	AI Magazine
B	Advanced Robotics

B	Applied Artificial Intelligence
B	Asian Journal of Control
B	Cybernetics and Systems
B	Expert Systems with Applications
B	Fuzzy Sets and Systems
B	Graphical Models
B	International Journal of Software Engineering and Knowledge Engineering
B	Journal of Electronic Imaging
B	Journal of Imaging Science and Technology
B	Journal of Intelligent and Robotic Systems
B	Journal of Parallel and Distributed Computing
B	Journal of Visual Communication and Image Representation
B	Machine Vision and Applications
B	Pattern Recognition Letters
B	Robotica
B	Robotics and Autonomous Systems
B	Visual Computer
B	IET Computer Vision: 0.667
B	IET Image Processing: 0.514
B	International Journal of Robotics and Automation: 0.409
等級	特定期刊
C	除本系共同部分及本組所列 A、B 類期刊，在 SCI/EI/SSCI 具全文審查之學術期刊論文
C	IEEE International Conference on Systems, Man, and Cybernetics (regular paper)

七、晶片系統組博士班特定全文(Full-Paper)等級認定標準：

等級	特定期刊
A	Biosensors and Bioelectronics
A	Microelectronic Engineering (Elsevier)
A	IEEE Micro Magazine
A	IEEE Circuits & Devices Magazine
A	International Journal of High Performance Computing Applications
A	Solid State Electronics
A	Journal of Biomedical informatics
A	Journal of Biotechnology
A	IEEE Design & Test of Computers Magazine
等級	特定期刊
B	IEEE Trans. on Industrial Electronics
B	IEEE Trans. on Vehicular Technology
B	IEEE Trans. on System, Man, and Cybernetics
B	IEEE Parallel and Distributed Computing
B	IEEE Trans. on Consumer Electronics
B	Integration: the VLSI Journal
B	Multimedia Systems
B	Journal of Parallel and Distributed Computing
B	The Journal of VLSI Signal Processing
等級	特定期刊
C	除本系共同以及上述特定之A、B類期刊外，在SCI/EI/SSCI具全文審查之學術期刊論文

等級	特定會議
B	IEEE Int. Solid-State Circuits Conference (ISSCC)
B	ACM/IEEE Design Automation Conference (DAC)

八、電力與電能處理組博士班特定全文(Full-Paper)等級認定標準：

等級	特定期刊
A	CONTROL ENGINEERING PRACTICE
等級	特定期刊
B	Applied Artificial Intelligence: An International Journal
B	Cybernetics and Systems
B	ELECTRIC POWER SYSTEMS RESEARCH
B	INT. J. CONTROL
B	INT. J. ELECTRICAL POWER AND ENERGY SYSTEM
B	J. FRANKLIN
B	SYSTEMS & CONTROL LETTERS
B	ENGINEERING OPTIMIZATION
B	ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE
B	COMPUTERS & ELECTRICAL ENGINEERING
B	ELECTROMAGNETICS
B	ENERGY SOURCES
B	ELECTRICAL ENGINEERING
B	ELECTRIC MACHINES & POWER SYSTEMS
B	J. CONTROL SYSTEMS AND TECHNOLOGY
B	J. POWER CONVERSION AND INTELLIGENT MOTION
B	European Transactions on Electric Power
等級	特定期刊
C	除本系共同以及上述特定之A、B類期刊外，在SCI/EI/SSCI具全文審查之學術期刊論文



C	IEEE Power and Energy Society General Meeting (conference paper acceptance rate is about 50)
等級	特定會議
C	IEEE Applied Power Electronics Conference and Exposition (APEC)
等級	國內特定期刊
D	電機月刊
D	中國工程師學會工程月刊
D	台電工程月刊
D	能源季刊
D	教育部技術學刊
D	電力電子雙月刊
D	中華民國照明學刊