

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

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	IEE/IET Proceedings (Special Topics)	
A	Proceedings of the IEEE	
A	IEEE Spectrum	
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
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
C	等級為 B 類之期刊，其 Short paper 或 Correspondence 均屬之	
C	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	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：

- A、(1.)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。
 (2.)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。
 (3.)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。
 (4.)國際研討會論文若獲得 Best Paper Award 等級得升一級。
 (5.)Lecture Note 屬性論文歸屬於會議論文計點。
- B、本認定標準適用於 96 學年之後入學後的博班學生，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
A	Computer Networks (Elsevier)
A	Optical Fiber Technology
A	ETRI Journal (Electronics Telecommunications Research Institute)
A	Wireless Networks
A	Photonic Network Communications
A	Mobile Networks & Applications
A	SIAM. Journal on Applied Mathematics
A	IEEE Communication Letter
A	IEEE Network
A	IEEE Wireless Communications
A	IEEE Pervasive Computing
等級	特定期刊
B	Performance Evaluation
B	J. of High Speed Networks
B	IEEE Trans on Consumer Electronics
B	Wireless Personal Communications
B	Journal of Communication Systems
B	Journal of Network and System Management
B	Computer Communications
B	Telecommunication Systems
B	International Journal of Quality & Reliability Management
B	Information Sciences
B	IEICE 相關期刊之 Full Paper
B	International Journal of Wireless Information Networks

B	International Journal of Parallel and Distributed Systems and Networks (IASTED)
B	International Journal of Modelling and Simulation (IASTED)
B	Electronics and Communication engineering Journal
B	Mobile Computing and Communications Review (ACM SIGMOBILE Society)
B	Fuzzy Sets and Systems
B	European Transaction on Telecommunications (AEI)
B	Journal of Parallel and Distributed Computing (Academic Press)
B	Journal of Communications and Networks (JCN)
B	Journal of Multimedia Systems and Tools
B	IEEE International Conference on Communications (ICC)
B	IEEE Global Communications Conference (GLOBECOM)
B	Internet Research
B	International Journal of Satellite Communications and Networking
B	Wireless Communications & Mobile Computing
B	Computer Communication Review
B	The Mobile Networks and Applications Journal (ACM/ Baltzer Science Publishers)
B	International Journal of Communication Systems
B	Applied Mathematics and Computation
B	Computing and Control Engineering Journal
B	Telecommunications Policy
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
D	其它不列於共同部分 C 級之國內全文審查之學術期刊

三、通訊系統組博士班論文評估分類表：

Grade	Journal	Comment
原無線通訊組規定之 A 級期刊		
A	Journal of Optical Communications	僅含 regular paper
A	Performance Evaluation	僅含 regular paper
A	SIAM. Journal on Applied Mathematics	僅含 regular paper
A	Operation Research	僅含 regular paper
A	Signal Processing (Europe SP)	僅含 regular paper, SCI, EE, Impact Factor:0.694, Rank(105/208)
新增列之 A 級期刊 (共 33 筆, 僅含 regular paper)		
TELECOM (SCI, 2005) (14 筆)		
A	IEEE Network Magazine	SCI, TELECOM, Impact Factor:2.79, Rank(2/59)
A	IEEE Wireless Communications Magazine	SCI, TELECOM, Impact Factor:2.638, Rank(4/59)
A	IEEE Pervasive Computing Magazine	SCI, TELECOM, Impact Factor:2.036, Rank(5/59)
A	Optical Fiber Technology	SCI, TELECOM, Impact Factor:2.000, Rank(6/59)
A	IEEE Communications Magazine	SCI, TELECOM, Impact Factor:1.946, Rank(7/59)
A	ETRI Journal (Electronics Telecommunications Research Institute)	SCI, TELECOM, Impact Factor:1.254, Rank(13/59)
A	IEEE Communications Letters	SCI, TELECOM, Impact Factor:1.058, Rank(15/59)
A	Wireless Networks	SCI, TELECOM, Impact Factor:1.018, Rank(16/59)
A	Computer Networks	SCI, TELECOM, Impact Factor:0.978, Rank(17/59)
A	Photonic Network Communications	SCI, TELECOM, Impact Factor:0.944, Rank(19/59)
A	Mobile Networks & Applications	SCI, TELECOM, Impact Factor:0.923, Rank(20/59)
A	International Journal of Satellite	SCI, TELECOM, Impact Factor:0.672,

	Communications and Networking	Rank(25/59)
A	Computer Communications	SCI, TELECOM, Impact Factor:0.556, Rank(27/59)
A	Wireless Communications & Mobile Computing	SCI, TELECOM, Impact Factor:0.543, Rank(29/59)
Engineering, Electrical & Electronic (SCI, 2005) (10 筆)		
A	IEEE Signal Processing Magazine	SCI, EE, Impact Factor:2.741, Rank(10/208)
A	Journal of Cryptology	SCI, EE, Impact Factor:2.28, Rank(17/208)
A	Pattern Recognition	SCI, EE, Impact Factor:2.153, Rank(23/208)
A	Network-Computation in Neural Systems	SCI, EE, Impact Factor:2.055, Rank(27/208)
A	Computer Vision and Image Understanding	SCI, EE, Impact Factor:1.468, Rank(44/208)
A	Image and Vision Computing	SCI, EE, Impact Factor:1.383, Rank(49/208)
A	Signal Processing-Image Communications	SCI, EE, Impact Factor:1.264, Rank(53/208)
A	Multidimensional Systems and Signal Processing	SCI, EE, Impact Factor:0.722, Rank(98/208)
A	Quantum Electronics	SCI, EE, Impact Factor:0.722, Rank(98/208)
A	International Journal of Adaptive Control and Signal Processing	SCI, EE, Impact Factor:0.698, Rank(104/208)
Computer Science, Software Engineering (SCI, 2005) (1 筆)		
A	Journal of Systems and Software	SCI, CSSE, Impact Factor:0.744, Rank(39/79)
屬本組 IEEE Trans. 重要期刊之 Short Paper 及 Correspondence (8 筆)		
A	IEEE Transactions on Communications (Short Paper 及 Correspondence)	SCI, TELECOM, Impact Factor:1.490, Rank(10/59)
A	IEEE Transactions on Information Theory (Short Paper 及 Correspondence)	SCI, EE, Impact Factor:2.183, Rank(21/208)
A	IEEE Transactions on Wireless Communications (Short Paper 及 Correspondence)	SCI, TELECOM, Impact Factor:1.395, Rank(12/59)
A	IEEE Transactions on Networking (Short Paper 及 Correspondence)	SCI, EE, Impact Factor:2.811, Rank(8/208)

A	IEEE Transactions on Vehicular Technology (Short Paper 及 Correspondence)	SCI, EE, Impact Factor:0.86, Rank(86/208)
A	IEEE Transactions on Signal Processing (Short Paper 及 Correspondence)	SCI, EE, Impact Factor:1.820, Rank(34/208)
A	IEEE Signal Processing Letters	SCI, EE, Impact Factor:0.611, Rank(117/208)
A	IEEE Transactions on VLSI Systems (Short Paper 及 Correspondence)	SCI, EE, Impact Factor:0.86, Rank(86/208)

Grade	Journal	Comment
原無線通訊組規定之 B 級期刊		
B	ACM, Computer Communication Review	僅含 regular paper
B	International Journal of Wireless Information Networks	僅含 regular paper
B	International Journal of Satellite Communications	僅含 regular paper
B	International Journal of Modelling and Simulation (IASTED)	僅含 regular paper
B	Electronics and Communications Engineering Journal	僅含 regular paper
B	Optoelectronic Device Technology	僅含 regular paper
B	Wireless Personal Communications	僅含 regular paper
B	The Mobile Networks and Applications Journal (ACM/Baltzer Science Publishers)	僅含 regular paper
B	Mobile Computing and Communications Review (ACM SIGMOBILE Society)	僅含 regular paper
B	International Journal of Communication Systems	僅含 regular paper
B	Journal of Network and System Management	僅含 regular paper

B	IEEE Trans. on Consumer Electronics	僅含 regular paper
B	Telecommunication Systems	僅含 regular paper
B	Fuzzy Sets and Systems	僅含 regular paper
B	The Journal of Grey Systems	僅含 regular paper
B	Applied Mathematics and Computation	僅含 regular paper
B	Computing and Control Engineering Journal	僅含 regular paper
B	European Transaction on Telecommunications (AEI)	僅含 regular paper
新增列之 B 級期刊 (共 29 筆, 僅含 regular paper)		
(1 筆)		
B	Journal of High Speed Network	原無線通訊組規定之 A 類期刊
TELECOM (SCI, 2005) (5 筆)		
B	Telecommunications Policy	SCI, TELECOM, Impact Factor:0.458, Rank(31/59)
B	Journal of Communications and Networks	SCI, TELECOM, Impact Factor:0.457, Rank(32/59)
B	AEU-International Journal of Electronics and Communications	SCI, TELECOM, Impact Factor:0.339, Rank(38/59)
B	BELL LABS Technical Journal	SCI, TELECOM, Impact Factor:0.331, Rank(39/59)
B	Journal of Communications Technology and Electronics	SCI, TELECOM, Impact Factor:0.258, Rank(42/59)
Engineering, Electrical & Electronic (SCI, 2005) (7 筆)		
B	Optical and Quantum Electronics	SCI, EE, Impact Factor:0.688, Rank(106/208)
B	Circuits Systems and Signal Processing	SCI, EE, Impact Factor:0.646, Rank(112/208)
B	Digital Signal Processing	SCI, EE, Impact Factor:0.609, Rank(118/208)
B	International Journal of Imaging Systems and Technology	SCI, EE, Impact Factor:0.439, Rank(138/208)
B	Journal of VLSI Signal Processing Systems for Signal Image and Video	SCI, EE, Impact Factor:0.4, Rank(142/208)

	Technology	
B	EURASIP Journal on Applied Signal Processing	SCI, EE, Impact Factor:0.394, Rank(143/208)
B	Computers & Electrical Engineering	SCI, EE, Impact Factor:0.289, Rank(166/208)
Computer Science, Hardware & Architecture (SCI, 2005) (1 筆)		
B	Computer Standards & Interfaces	SCI, CSHA, Impact Factor:0.62, Rank(27/44)
Computer Science, Information Systems (SCI, 2005) (2 筆)		
B	Information Sciences	SCI, CSIS, Impact Factor:0.723, Rank(50/83)
B	Informatica	SCI, CSIS, Impact Factor:0.456, Rank(64/83)
EI 期刊 (6 筆)		
B	WSEAS Transactions on Communications	WSEAS: Word Scientific and Engineering Academy and Society
B	WSEAS Transactions on Circuits and Systems	WSEAS: Word Scientific and Engineering Academy and Society
B	WSEAS Transactions on Mathematics	WSEAS: Word Scientific and Engineering Academy and Society
B	WSEAS Transactions on Signal Processing	WSEAS: Word Scientific and Engineering Academy and Society
B	Eurasip Journal on Wireless Communications and Networking	
B	Fundamenta Informaticae	
Others (7 筆)		
B	Far East Journal of Applied Mathematics	Publisher: Pushpa Publishing House. MathSciNet.
B	Far East Journal of Mathematical Sciences	Publisher: Pushpa Publishing House. MathSciNet.
B	International Journal of Intelligent Systems Technologies and Applications (IJISTA)	Publisher: Inderscience
B	Journal of Statistics & Management Systems	Publisher: IOS Press
B	Journal of Discrete Mathematical Sciences & Cryptography	Publisher: IOS Press
B	IEEE International Conference on Communications (ICC)	Flagship Conference of the IEEE Communications Society

B	IEEE Global Communications Conference (GLOBECOM)	Flagship Conference of the IEEE Communications Society
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Grade	Journal	Comment
原無線通訊組規定之 C 級期刊		
C	Telecommunication review	含 regular paper, short paper 及 correspondence
C	Chinese Journal of Electronics	含 regular paper, short paper 及 correspondence
C	Journal of The Chinese Grey System Association, CGSA	含 regular paper, short paper 及 correspondence
新增列之 C 級期刊		
C	Communications of the CCISA	(資訊安全通訊期刊)
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	
C	IEEE International Symposium on Information Theory (ISIT)	Major Conference of the IEEE Information Theory Society
C	IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)	Flagship Conference of the IEEE Signal Processing Society

Grade	Journal	Comment
新增列之 D 級期刊		
D	其他不列於 C 級之國內全文審查之學術期刊論文	僅含學術著作

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
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 MTT-S Int. 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	IEEE Asia-Pacific Microwave Conference
C	European Microwave Conference Proceedings

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
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
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。
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。

六、計算機、機電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	AI Magazine
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
等級	特定期刊
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
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

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
B	Journal of Circuits, Systems, and Computers
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)
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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
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
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