

# 國立臺北科技大學 電子工程系

## 丁組技術導向博士班研究生資格考科目與研究成果計點認定標準

102 年 3 月 27 日經系所核備訂定

103 年 8 月 1 日系所合一更名

一、本認定標準係依據『國立臺北科技大學電子工程系技術導向博士班研究生研究成果計點辦法』與『國立臺北科技大學電子工程系博士班研究生資格考實施要點』訂定之。

二、資格考核科目：自研究所丁組老師所開課程中任選三科，亦得經指導教授同意後跨組選考一科。

三、研究成果計點標準

A 級：6 點，B 級：3 點，C 級：2 點，D 級：0.25~1 點。

四、最低畢業點數：8 點

3 年(含)畢業者：至少一篇 6 點 (即至少 1A 且 first author)

3 年(不含)以上至 5 年(含)以內畢業者：至少一篇 6 點或兩篇 3 點以上 (即至少 1A 且 first author，或 2B, 且 first author)

5 年(不含)以上畢業者：至少一篇 6 點或一篇 3 點以上 (即至少 1A 且 first author，或 1B, 且 first author)

五、研究成果等級點數計算標準認定及計點參考表

| Grade | 專利、產學計畫、論文                                                 | Comment                | Points |
|-------|------------------------------------------------------------|------------------------|--------|
| A     | 美國、歐洲、日本之發明專利                                              |                        | 6      |
| A     | 累計實收金額達新台幣400萬元之產學計畫案或技術移轉案。                               |                        | 6      |
| B     | 台灣、大陸、其他國家之發明專利                                            |                        | 3      |
| B     | 日本之新型專利                                                    |                        | 3      |
| B     | 累計實收金額達新台幣120萬元之產學計畫案或技術移轉案                                |                        | 3      |
| B     | IEEE Transactions or Journals (SCI)                        | regular paper          | 3      |
| B     | IEEE Proceedings (SCI)                                     | regular paper          | 3      |
| B     | ACM Transactions or Journals (SCI)                         | regular paper          | 3      |
| B     | Journal of Applied Physics (SCI)                           | regular paper          | 3      |
| B     | IEEE International Solid-State Circuits Conference (ISSCC) | outstanding conference | 3      |
| B     | IEEE/ACM Design Automation Conference (DAC)                | outstanding conference | 3      |
| C     | 台灣、大陸、其他國家之新型專利                                            |                        | 2      |
| C     | 累計實收金額達新台幣 80 萬元之產學計畫案                                     |                        | 2      |

|   |                                                                                      |               |   |
|---|--------------------------------------------------------------------------------------|---------------|---|
|   | 或技術移轉案                                                                               |               |   |
| C | 國際三大發明展或國際知名發明展獲金牌。<br>國際三大發明展包含：<br>1. 瑞士日內瓦國際發明展<br>2. 美國匹茲堡國際發明展<br>3. 德國紐倫堡國際發明展 |               | 2 |
| C | 等級為 B 類期刊之 Short paper, Letter 或 Correspondence 均屬之                                  |               | 2 |
| C | IEEE 期刊屬性為 Letter 者                                                                  | regular paper | 2 |
| C | IEEE Magazines (SCI)                                                                 | regular paper | 2 |
| C | IET Proceedings (SCI)                                                                | regular paper | 2 |
| C | IET Electronics Letters (SCI)                                                        | regular paper | 2 |
| C | IEICE Transactions (SCI)                                                             | regular paper | 2 |
| C | IEICE Electronics Express (SCI)                                                      | regular paper | 2 |
| C | International Journal of Electronics (SCI)                                           | regular paper | 2 |
| C | International Journal of Circuit Theory and Applications (SCI)                       | regular paper | 2 |
| C | Circuits, Systems and Signal Processing (SCI)                                        | regular paper | 2 |
| C | Journal of Circuits, Systems and Computers (SCI)                                     | regular paper | 2 |
| C | AEU International Journal of Electronics and Communications (SCI)                    | regular paper | 2 |
| C | Microelectronics Journal (SCI)                                                       | regular paper | 2 |
| C | Analog Integrated Circuits and Signal Processing (SCI)                               | regular paper | 2 |
| C | Journal of Grey System (SCI)                                                         | regular paper | 2 |
| C | Journal of Information Science and Engineering (SCI)                                 | regular paper | 2 |
| C | Electrical Engineering (SCI)                                                         | regular paper | 2 |
| C | Computers and Electrical Engineering (SCI)                                           | regular paper | 2 |
| C | Journal of Signal Processing Systems for Signal, Image and Video Technology (SCI)    | regular paper | 2 |
| C | Integration - The VLSI Journal (SCI)                                                 | regular paper | 2 |
| C | Fuzzy Sets and Systems (SCI)                                                         | regular paper | 2 |
| C | Signal Processing (SCI)                                                              | regular paper | 2 |
| C | Signal Processing - Image communication (SCI)                                        | regular paper | 2 |
| C | International Journal of Innovative Computing, Information and Control (SCI)         | regular paper | 2 |

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|---|-------------------------------------------------------------------------------|---------------|---|
| C | Journal of Systems Architecture (SCI)                                         | regular paper | 2 |
| C | Applied Soft Computing (SCI)                                                  | regular paper | 2 |
| C | Advances in Engineering Software (SCI)                                        | regular paper | 2 |
| C | International Journal of Engineering Science (SCI)                            | regular paper | 2 |
| C | Frequenz (SCI)                                                                | regular paper | 2 |
| C | ETRI Journal (SCI)                                                            | regular paper | 2 |
| C | Microelectronics International (SCI)                                          | regular paper | 2 |
| C | Circuit World (SCI)                                                           | regular paper | 2 |
| C | Electronics World (SCI)                                                       | regular paper | 2 |
| C | Chinese Journal of Electronics (SCI)                                          | regular paper | 2 |
| C | Journal of The Chinese Institute of Engineers (SCI)                           | regular paper | 2 |
| C | Microwave Journal (SCI)                                                       | regular paper | 2 |
| C | Microwaves & RF (SCI)                                                         | regular paper | 2 |
| C | Semiconductor Science and Technology (SCI)                                    | regular paper | 2 |
| C | Microelectronic Engineering (SCI)                                             | regular paper | 2 |
| C | Journal of Power Electronics (SCI)                                            | regular paper | 2 |
| C | Advances in Electrical and Computer Engineering (SCI)                         | regular paper | 2 |
| C | International Journal of RF and Microwave Computer-Aided Engineering (SCI)    | regular paper | 2 |
| C | IEEEJ Transactions on Electrical and Electronic Engineering (SCI)             | regular paper | 2 |
| C | Journal of Systems Engineering and Electronics (SCI)                          | regular paper | 2 |
| C | Journal of The Franklin Institute - Engineering and Applied Mathematics (SCI) | regular paper | 2 |
| C | Journal of Communications Technology and Electronics (SCI)                    | regular paper | 2 |
| C | Microwave and Optical Technology Letters (SCI)                                | regular paper | 2 |
| C | Solid-State Electronics (SCI)                                                 | regular paper | 2 |
| C | Instrumentation Science & Technology (SCI)                                    | regular paper | 2 |
| C | Biomedical Signal Processing and Control (SCI)                                | regular paper | 2 |
| C | Journal of Power Sources (SCI)                                                | regular paper | 2 |
| C | RadioEngineering (SCI)                                                        | regular paper | 2 |
| C | Sensors and Actuators A: Physical (SCI)                                       | regular paper | 2 |
| C | Japanese Journal of Applied Physics (SCI)                                     | regular paper | 2 |

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|---|---------------------------------------------------------------------------------------------|---------------------------|---|
| C | 其他 SCI Expanded Papers (需附證明)                                                               | regular paper             | 2 |
| C | WSEAS Transactions (EI)                                                                     | regular paper             | 2 |
| C | International Journal of Electrical Engineering (EI)                                        | regular paper             | 2 |
| C | VLSI Design (EI)                                                                            | regular paper             | 2 |
| C | Journal of Semiconductor Technology and Science (EI)                                        | regular paper             | 2 |
| C | International Journal of High Speed Electronics and Systems (EI)                            | regular paper             | 2 |
| C | Journal of Active and Passive Electronic Devices (EI)                                       | regular paper             | 2 |
| C | Active and Passive Electronic Components (EI)                                               | regular paper             | 2 |
| C | Journal of Low Power Electronics (EI)                                                       | regular paper             | 2 |
| C | International Journal of RF Technologies: Research and Applications (EI)                    | regular paper             | 2 |
| C | Far East Journal of Electronics and Communications (EI)                                     | regular paper             | 2 |
| C | International Journal of Microwave Science and Technology (EI)                              | regular paper             | 2 |
| C | Research Letters in Electronics (EI)                                                        | regular paper             | 2 |
| C | Advances in Power Electronics (EI)                                                          | regular paper             | 2 |
| C | RF & Microwave Design (EI)                                                                  | regular paper             | 2 |
| C | IEEE Symposium on VLSI Circuits (SOVC)                                                      | excellent conference      | 2 |
| C | IEEE International Electron Devices Meeting (IEDM)                                          | excellent conference      | 2 |
| C | 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 | 2 |
| D | 國際三大發明展或國際知名發明展獲銀、銅牌。<br>國際三大發明展包含：<br>1. 瑞士日內瓦國際發明展<br>2. 美國匹茲堡國際發明展<br>3. 馬來西亞 ITEX 國際發明展 |                           | 1 |
| D | 等級為 C 類期刊之 Short paper, Letter 或 Correspondence 均屬之                                         |                           | 1 |
| D | 其他 EI Papers (需附證明)                                                                         | regular paper             | 1 |

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|---|------------------------------------------------------------------------------|---------------------------|-----|
|   |                                                                              | short paper               |     |
| D | IEEE European Solid-State Circuits Conference (ESSCIRC)                      | good conference           | 1   |
| D | IEEE Design, Automation and Test in Europe, Conference and Exhibition (DATE) | good conference           | 1   |
| D | IEEE Custom Integrated Circuits Conference (CICC)                            | good conference           | 1   |
| D | IEEE International Conference on Computer Design (ICCD)                      | good conference           | 1   |
| D | IEEE International Conference on Computer Aided Design (ICCAD)               | good conference           | 1   |
| D | IEEE Asia Solid-State Circuits Conference (ASSCC)                            | good conference           | 1   |
| D | IEEE Asia and South Pacific Design Automation Conference (ASP-DAC)           | good conference           | 1   |
| D | IEEE Radio Frequency Integrated Circuits Symposium (RFIC)                    | good conference           | 1   |
| D | IEEE International Symposium on Circuits and Systems (ISCAS)                 | good conference           | 1   |
| D | IEEE International Microwave Symposium (IMS)                                 | good conference           | 1   |
| D | IEEE European Microwave Conference (EUMC)                                    | good conference           | 1   |
| D | IEEE Asia Pacific Microwave Conference (APMC)                                | good conference           | 1   |
| D | 具全文審查且接受率在55%(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 | 1   |
| D | 國際性學術會議論文                                                                    |                           | 1   |
| D | 國內學術會議論文                                                                     |                           | 0.5 |