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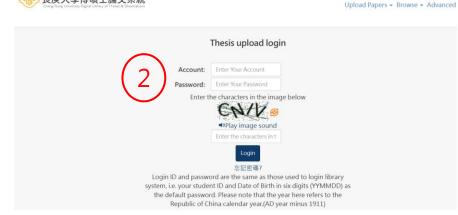
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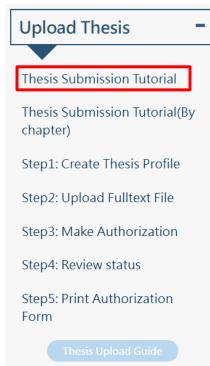


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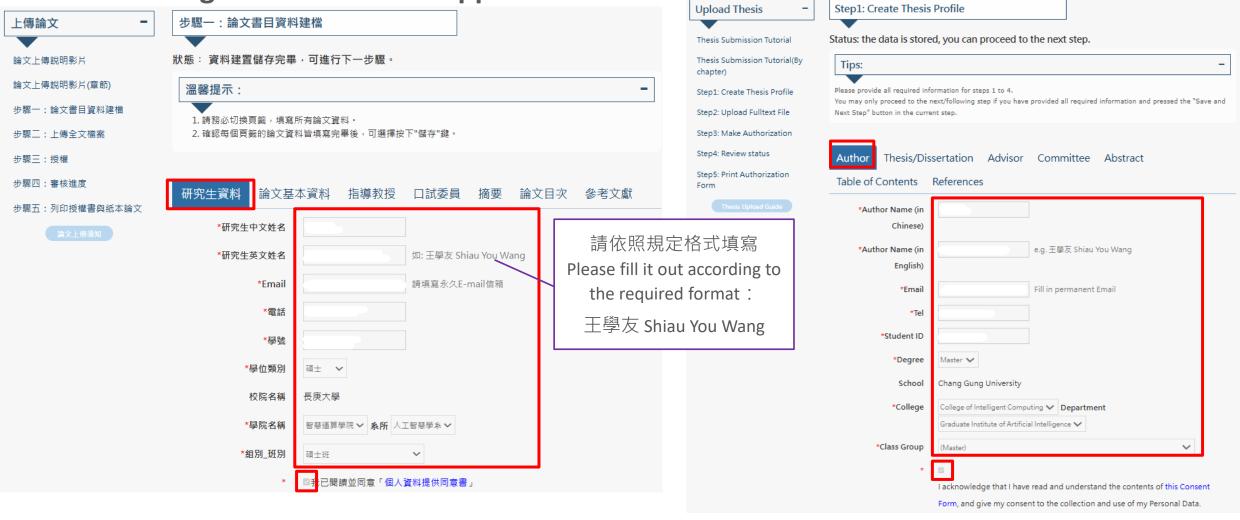
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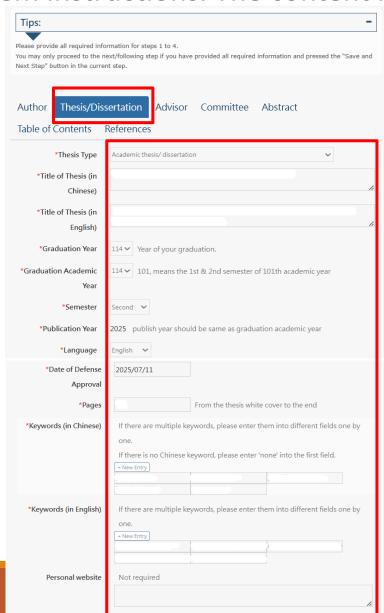


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))	·	·	

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Professor S. Y. Wang, etc.

English name

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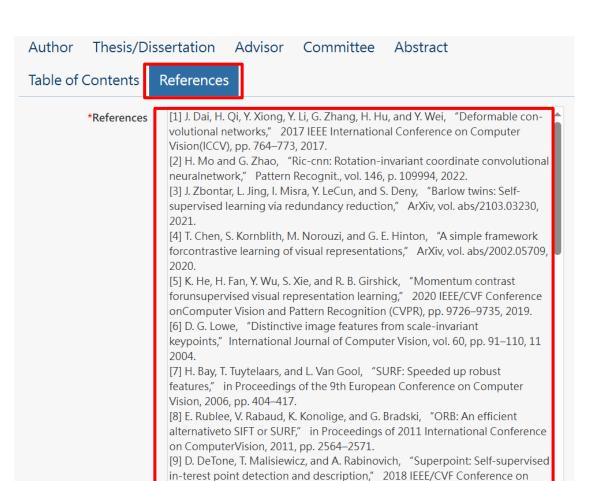
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- [1] J. Dai, H. Qi, Y. Xiong, Y. Li, G. Zhang, H. Hu, and Y. Wei, "Deformable convolutional networks," 2017 IEEE International Conference on Computer Vision(ICCV), pp. 764–773, 2017.
- [2] H. Mo and G. Zhao, "Ric-cnn: Rotation-invariant coordinate convolutional neuralnetwork," Pattern Recognit., vol. 146, p. 109994, 2022.
- [3] J. Zbontar, L. Jing, I. Misra, Y. LeCun, and S. Deny, "Barlow twins: Self-supervised learning via redundancy reduction," ArXiv, vol. abs/2103.03230, 2021.
- [4] T. Chen, S. Kornblith, M. Norouzi, and G. E. Hinton, "A simple framework forcontrastive learning of visual representations," ArXiv, vol. abs/2002.05709, 2020.
- [5] K. He, H. Fan, Y. Wu, S. Xie, and R. B. Girshick, "Momentum contrast forunsupervised visual representation learning," 2020 IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), pp. 9726–9735, 2019.
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- [7] H. Bay, T. Tuytelaars, and L. Van Gool, "SURF: Speeded up robust features," in Proceedings of the Sur Luropean Conference on Computer Vision, 2006, pp. 404–417.
- [8] E. Rublee, V. Rabaud, K. Konolige, and G. Bradski, "ORB: An efficient alternative SIFT or SURF," in Proceedings of 2011 International Conference on Computer Vision, 2011, pp. 2564–2571.
- [9] D. DeTone, T. Malisiewicz, and A. Rabinovich, "Superpoint: Self-supervised in-terest point detection and description," 2018 IEEE/CVF Conference on ComputerVision and Pattern Recognition Workshops (CVPRW), pp. 337–33 712, 2017.



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- 1. 目錄中如列出「其他」項目,請置於「參考資料」下方
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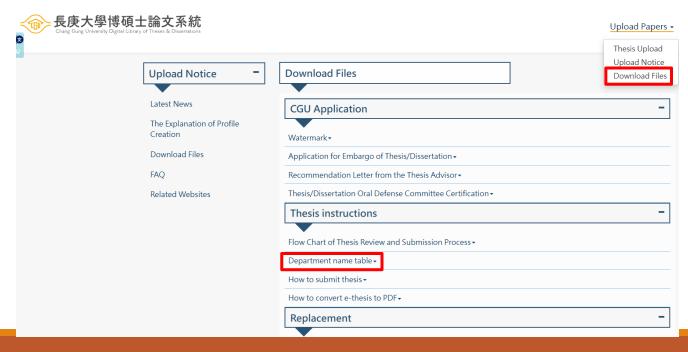
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The "preface file" includes all documents and tables before the main text (in the following order: cover page, advisor's recommendation letter, oral defense committee approval form, acknowledgments, Chinese and English abstracts, table of contents, list of figures, and list of tables).



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長庚大學○○學系(所) 碩 (博) 士論文(専業實務報告)

Department or Graduate Institute of OO

Chang Gung University

Master Thesis/Dectoral Dissertation(Professional Practice
-Report)

(中文題目) (Chinese Title) (英文題目) (English Title)

研究生: 〇〇〇 (撰者中文姓名)

Graduate Student: 〇〇〇 (探考英文姓名)

指導教授: ○○○ 博士或教授

Advisor: 〇〇〇 (Degree) 或 (Title)

中華民國 〇〇 年 〇 月 〇〇〇〇 〇〇〇〇 (Month) (Gregorian year)

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- 2. 論文題目須與「035A學位考試申請」、 指導教授推薦書、口試委員會審定書相符
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- 1. Please delete unnecessary information (e.g., professional practice reports).
- 2. The thesis title must be consistent with the "035A Degree Examination Application," the advisor's recommendation letter, and the oral defense committee approval form.
- 3. The name format of the graduate student and the advisor must be consistent.

人工智慧研究所 長庚大學 人工智慧學系 人工智慧學系碩士班

碩士論文

Graduate Institute of Artificial Intelligence
Chang Gung University
Master Thesis

研究生:〇〇〇

(1)_{建議Recommend}

Graduate Student: Shiau-You Wang

指導教授:○○○教授

Advisor: Hsien-Tsung Chang, Ph D.

中華民國115年7月

July 2025

第1頁 封面

提醒:

- 1. 研究生與指導教授之姓名格式須一致(兩種格式擇一)
- 2. 外籍學生僅須提供論文中譯名稱

Page 1 Cover

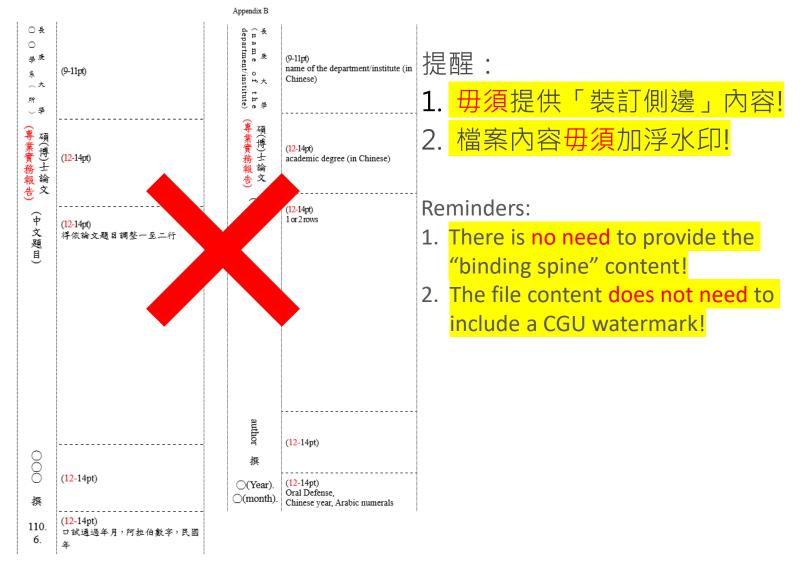
Reminders:

- 1. The name format of the graduate student and the advisor must be consistent. (Choose one of the two formats.)
- 2. Foreign students are only required to provide the Chinese translation of the thesis title.

(2)

S.Y. Wang

H.T. Chang, Ph D.



1.1 Experimental Section

This experimental section evaluation objectives: 1. Sentiment Analysis Objective: Classify full news articles sentiment classes. · Models: Twitt ata annotat and LLaMA 3.1 are used to to-end sentiment classification. · Metrics: Precision, Re F1-S computed for each sentiment class. • Dataset: Global Dataset consisting using Tr.....ERTa-2. Semantic Relevance

Professional State Statement

長庚大學碩士學位論文 指導教授推薦書

Chang Gung University Recommendation Letter from the Thesis Advisor

This thesis is by	(Author) of the graduate program
in,	
entitled:	,
which is written under my supervis	ion, and I agree to propose it for
examination.	

Advisor_____(Signature) ______Year____Month___Day

第2頁 指導教授同意書

提醒:

- 1. 正確填寫內容、指導教授須簽名
- 2. 若有2位以上指導教授,所有相關 文件皆須所有指導教授簽名

Page 2 Recommendation Letter from the Thesis Advisor

- 1. Fill in the content correctly; the advisor must sign.
- 2. If there are two or more advisors, all related documents must be signed by all advisors.

長庚大學碩士學位論文 口試委員會審定書

君所提之論文

研究所

(中文題目)
(英文題目)
係本委員會審議,認為符合碩(博)士資格標準。
論文口試委員會
召集人(簽名)
委 員
系主任、所長
中 華 民 國

Chang Gung University Thesis Oral Defense Committee Certification

This thesis is by (Author) of the graduate program

entitled:	, who
is qualified for master/doctorate degree through the	verification of the
committee.	
Convener of the degree examination committee	(Signature)
Committee members	
Department Chair/Program Director	

第3頁口試委員審定書

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- 所有口試委員均須簽名,召集人亦 須於「委員」欄位簽名

Page 3 Thesis Oral Defense Committee Certification

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續前項 Following the previous page	目錄 Contents	 從中、英文摘要開始列 Start listing from the Chinese and English abstracts. 依照論文章內容正確標示 Mark correctly according to the content of the thesis.
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1-	論文全文 Full text of the thesis	從1開始編頁碼 Number pages starting from "1."
續前項 Following the previous page	參考文獻 Bibliography or References	書寫格式請參考次頁 Please refer to the next page for the writing format.
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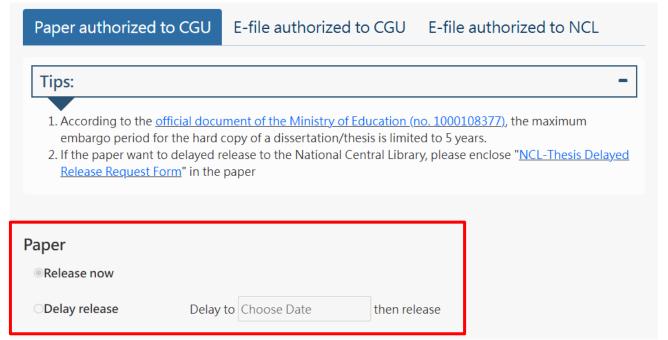
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Journal Articles	Chen, JH., & Li, MC. (2019). Applications of Machine Learning in Medical Imaging. Journal of Information and Management, 25(3), 45–60.
Master's Theses	Chang, H. (2022). A Study on the Application of Artificial Intelligence in Speech Recognition (Master's thesis, National Taiwan University).
Doctoral Dissertations	Wang, HM. (2018). <i>Applications of Deep Learning in Natural Language Processing</i> (Doctoral dissertation, National Cheng Kung University).
Webpages	Ministry of Education. (2021). <i>Annual Report on Higher Education Statistics</i> . Retrieved from https://www.edu.tw/statistics

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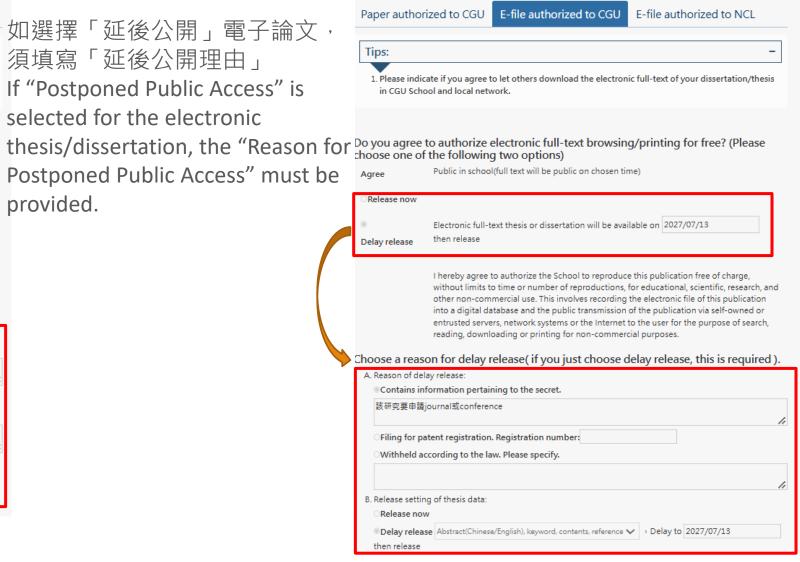
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步驟四:審核		
步驟四:審核		-
溫馨提示: 非當年度確定可畢	業的同學,請勿將論文「送出審核」 後,請記得點選「送出審核」,圖書館才能收到您的論文審核申請。	-

- 1. 點擊「送出審核」後將送至下一關(學系秘書)審核。
- 2. 如須撤銷送審請點擊「取消審核」。
- 3. 如收到「審核未通過」之email通知,請登入系統修改後、更新電子檔案後重新送審。
- 4. 系秘審核期間如有任何問題請與系秘聯繫。
- 1. After clicking "Submit for Review," the application will be forwarded to the next stage (Department Secretary) for review.
- 2. To withdraw the submission, please click "Cancel Review."
- 3. If you receive an email notification stating "Review Not Approved," please log in to the system, make the necessary revisions, update the electronic file, and resubmit for review.
- 4. If you have any questions during the department secretary's review process, please contact the department secretary.

 博碩士資料審核流程:
 倫文書目資料建榜
 上傳全文檔案
 授權
 送出審核
 送審中
 審核不通過
 列印授權書

 Submission Process:
 Thesis
 Fulltext
 Authorize
 Submit
 Staff reviewing
 Nopass
 Print

[已審核通過]

敬啟者:

恭喜您已通過電子論文審查流程,辦理離校手續時,請至「iCGUI長庚入口」→「線上核簽管理系統」送出畢業離校手續單申請(請依教務處公告時間填單),並至圖書館一樓櫃台徽交:

Ⅰ. 平裝本論文二本
2. 審核通過通知單(授權人須簽名)

如寫浮水印版本之 PDF,請至論文系統"登入"下載全文檔案,繳交圖書館的紙本論文可不加浮水印。

若無法於本學期畢業,此通知即失效,請於要離校時再重新進行上傳審核作業。

- 1. 待圖書館承辦人完成審核後將收到通知email。
- 2. 登入線上簽核管理系統(FLOW)填寫「090A畢業生離校手續單」併附件(論文原創性比對報告)呈送。
- 3. 請至圖書館一樓櫃台繳交:
 - (1) 平裝本論文二本:一本由本校圖書館典藏,另一本送國家圖書館典藏,浮水印可加可不加。
 - (2) 審核通過通知單(授權人須簽名)。
 - (3) 延後公開申請書(有延後公開需求者)。
- 4. 如需附有浮水印版本之論文PDF檔案,請登入論文系統下載全文檔案。
- 5. 另請繳交一本紙本平裝本論文至系辦留存。
- 6. 待收到「090A畢業生離校手續單」核准通知email,請攜帶學生證至教務處洽承辦人領取證書。

 博碩士資料審核流程: 倫文書目資料建榜
 上傳全文檔案
 授權
 送出審核
 送審中
 審核不通過
 列印授權書

 Submission Process:
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- You will receive a notification email once the library staff completes the review.
- 2. Log in to the online approval management system (FLOW) to complete the "090A Graduation Clearance Form" and attach the Thesis Originality Report for submission.
- 3. Submit the following at the library front desk on the first floor:
 - (1) Two paperback copies of your thesis: One will be archived by CGU library, and the other will be forwarded to the National Central Library for archiving.

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Congratulations! Your uploaded thesis has been verified. In order to finalize the graduation procedure, please complete the online application for the iCGU Flow Graduate School Leaving Form (The application according to the time announced by the Academic Affairs Office) first, and submit the following items to library first floor counter:

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- (2) Thesis/Dissertation Information and Approval Notification of Electronic Thesis/Dissertation Files: (signature of the authorized person is required).
- (3) The original copy of the **Application for Postponed Public Access** and supporting documents (only required if applying for delayed release to the National Central Library).
- 4. If a PDF version of the thesis with a watermark is needed, please log in to the thesis system to download the full text.
- 5. Please also submit one paperback copy of the thesis to the department office for record.
- 6. After receiving the approval notification email for the "090A Graduation Clearance Form," please bring your student ID to the Office of Academic Affairs and meet the staff to collect your diploma.