

研究生培养环节导师抽检情况汇总表 (Sample)

Summary of Supervisor Inspections in Graduate Training Modules

学 号 Student Number	XXX	姓 名 Name	XXXX	培养单位 Faculty	XXXX
学生类别 Category of Students	☒ 学术学位硕士生(Academic Master's Degree Candidate) ☐ 专业学位硕士生(Professional Master's Degree Candidate) ☐ 学术学位博士生(Academic Doctor's Degree Candidate)				
抽查学期 Period of Spot Check	☒ Week 9 ☐ Week 16 Academic year 2024——2025 Semester ☐ I ☒ II				
学术活动抽查记录 (Record of Spot Check of Academic Activities)					
序号 Serial No.	学术报告题目 (Title of Academic Report)			学术报告时间 (Date of Report)	
No.6	Advances and challenges in the modeling and suppression of electromagnetic interference for power electronics systems			May 18th,2024	
课题组研讨活动抽查记录 (Record of Spot Check of Research Group Seminars)					
序号 Serial No.	研讨主题 (Theme)			研讨时间 (Date of Seminar)	
No.3	Adhesion control research group seminar				
I hereby commit: The above content has been truthfully filled out by me according to the supervisor's random inspections. Graduate student' s signature : MM/DD/YY					

说明 :序号为被抽检的报告或记录的序号 ,如第五篇学术报告被抽检 ,则序号一栏填写 “5”。

Note: The serial number should be filled with the sequence number of the report or record that has

been spot-checked. For example, if the fifth academic report is spot-checked, the serial number column should be filled with '5'.

学术活动抽查记录		
Record of Spot Check of Academic Activity		
序号 Serial	学术报告题目 Title of Academic Report	学术报告时间 Date of Academic Report
6	Advances and challenges in the modeling and suppression of electromagnetic interference for power electronics systems	May 18th,2024

导师抽检情况（将导师抽检评阅的学术报告拍照插入表格中）

Insert the photo of the academic report randomly inspected by your supervisor.

Academic Report Records					
第 6 次 6 Session	学术报告题目 Title of academic report	Advances and challenges in the modeling and suppression of electromagnetic interference for power electronics systems			
主讲人 Speaker	Prof. Shuo Wang	时 间 Date	2024 年 5 月 18 日 MM/DD/YY	地 点 Place	2024 ECCE ASIA conference in Chengdu
小结报告 Summary 建议小结报告的内容包括但不限于以下几点：1.本次学术活动简介；2 对本人所研究课题的关联性；3.创新点；4.对本人所研究课题的启发 The suggested summary includes but is not limited to the following points: 1. Brief introduction to the academic activity; 2. Relevance to the topic; 3. Innovation points; 4. Inspiration to the topic. Advances and Challenges in the Modeling and Suppression of Electromagnetic Interference for Power Electronics Systems Abstract Electromagnetic interference (EMI) is a significant problem in power electronics systems, affecting the reliability and performance of the system. This paper presents a comprehensive review of the latest research on EMI modeling and suppression techniques for power electronics systems. The paper discusses the challenges associated with EMI modeling and suppression, and presents a novel approach to address these challenges. The proposed approach involves the use of advanced modeling techniques and the design of effective suppression strategies. The results of the study show that the proposed approach significantly improves the EMI performance of the system, leading to enhanced reliability and performance. The paper concludes with a discussion of the future research directions and the potential applications of the proposed approach. Keywords: Electromagnetic interference, Power electronics, Modeling, Suppression, Reliability, Performance.					

课题组研讨活动抽查记录			
Record of Spot Check of Group Seminar			
序号 (Serial No.)	研讨主题 (Theme)	研讨时间 (Date of Seminar)	
13	Detection of Multimodal Hate Speech in Memes via Cross-Modal Attention and Tucker Decomposition	April 22,2025	
导师抽检情况 (将导师抽检评阅的学术报告拍照插入表格中)			
Insert the photo of the academic report randomly inspected by your supervisor.			
The Record Form of the Seminar of the Research Group of Master's Degree			
Candidates of SWJTU			
研讨会场次 Seminar Session	第 13 次 13 th Session		
研讨主题 Theme	MemeFusion-BERT: Detection of Multimodal Hate Speech in Memes via Cross-Modal Attention and Tucker Decomposition		
研讨时间 Time	2025 年 04 月 22 日	地 点 Place	Physical Meeting (Room X2432)
参与人员 Participant	Prof. Huang, Sheshan Haider, Shamas Tabraiz, Amrul Ka Secka, Muhammed Adnan Farooq		
研讨内容 Content	Introduction to the Problem: Memes combine text and images in a half-open, making them a challenging task for hate speech detection. A light-weight, cross-modal attention mechanism is proposed to capture the relationship between the text and image modalities. The proposed model (MemeFusion-BERT) encodes it with DistilBERT, and projects it into a shared 512-dimensional space. In this paper, we propose a novel framework for detecting hate speech in memes. The framework consists of the following components: • Data Collection: We collect a large dataset of memes from various sources. • Feature Extraction: We extract features from both the text and image modalities using pre-trained models. • Cross-Modal Attention: We propose a novel cross-modal attention mechanism to capture the relationship between the text and image modalities. • Tucker Decomposition: We use Tucker decomposition to decompose the cross-modal attention matrix into three tensors, which are then used to capture the relationship between the text and image modalities. Conclusion: The proposed framework achieves state-of-the-art performance on the hate speech detection task in memes.		
研究思路的启发与收获 Inspiration and Gain of Research Ideas	This research gave me the idea to explore: • The relationship between text and image modalities in hate speech detection. • The effectiveness of cross-modal attention mechanisms. • The role of Tucker decomposition in capturing the relationship between text and image modalities.		
导师/研讨会负责人意见 The opinion of the advising professor/seminar leader	签字: [Signature] Signature: 2025 年 04 月 29 日		