

Xuri Ge

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EDUCATION

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- **University of Glasgow** Glasgow, UK
Ph.D candidate of Computing Science *Oct. 2020 – Present*
Advisor: Prof. Joemon M. Jose (Primary) and Dr. Gerardo Aragon Camarasa
 - **Xiamen University** Fujian, CHINA
Master of science in Computer Science *Aug. 2017 – Jun. 2020*
Advisor: Prof. Rongrong Ji (Primary) and Dr. Minghui Shi
 - **Huaqiao University** Fujian, CHINA
Bachelor of science in Mathematics *Sept. 2013 – Jun. 2017*

EXPERIENCE

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- **University of Glasgow** Glasgow, UK
Tutor *Sept. 2021 - Present*
Served as a Tutor for numerous Masters courses, such as Text as Data, Machine Learning, Web Science and Information Visualisation, *etc.*
 - **Xiamen University** Fujian, CHINA
Master student *Aug. 2017 - Jun. 2020*
Studied in the Media Analytic and Computing Lab (MACLab)
 - **TAL** Beijing, CHINA
Computer Vision Researcher *July 2020 - Jan. 2021*
 - **SenseTime** Shenzhen, CHINA
Research Intern *May 2019 - July 2019*

PUBLICATION

PUBLISHED

1. **Xuri Ge**, Fuhai Chen, Songpei Xu, Jie Wang, Guoxin Wang, Shan An and Joemon M. Jose. 3SHNet: Boosting Image-Sentence Retrieval via Visual Semantic-Spatial Self-Highlighting. Information Processing & Management (**IP&M**), 2024.
2. Zijun Long, **Xuri Ge**✉, Richard McCreddie and Joemon M. Jose. CFIR: Text2Pic Swift: Enhancing Long-Text to Image Retrieval for Large-Scale Libraries. **ACM SIGIR 2024**.
3. Junchen Fu, **Xuri Ge**✉, Xin Xin, Alexandros Karatzoglou, Ioannis Arapakis, Jie Wang, Joemon M. Jose. IISAN: Efficiently Adapting Multimodal Representation for Sequential Recommendation with Decoupled PEFT. **ACM SIGIR 2024**.
4. **Xuri Ge**, Joemon M. Jose, Songpei Xu, Xiao Liu and Hu Han. MGRN-Net: Multi-level Graph Relational Reasoning Network for Facial Action Units Detection [J]. ACM Transactions on Intelligent Systems and Technology (**ACM TIST**), 2024.
5. Jie Wang, Kanha Bansal, Ioannis Arapakis, **Xuri Ge** and Joemon M. Jose. Empowering Legal Citation Recommendation via Efficient Instruction-Tuning of Pre-trained Language Models. **ECIR 2024**.
6. **Xuri Ge**, Fuhai Chen, Songpei Xu, Fuxiang Tao and Joemon M. Jose. Cross-modal Semantic Enhanced Interaction for Image-Sentence Retrieval. **IEEE WACV 2023**.
7. **Xuri Ge**, Joemon M. Jose, Pengcheng Wang, Arunachalam Iyer, Xiao Liu and Hu Han. ALGRNet: Multi-Relational Adaptive Facial Action Unit Modelling for Face Representation and Relevant Recognitions. [J]. IEEE Transactions on Biometrics, Behavior, and Identity Science (**IEEE T-BIOM**). 2023.
8. Fuxiang Tao, **Xuri Ge**✉, Wei Ma, Anna Esposito and Alessandro Vinciarelli. Multi-Local Attention for Speech-based Depression Detection. **IEEE ICASSP 2023**.
9. Songpei Xu, Chaitanya Kaul, **Xuri Ge** and Roderick Murray-Smith. Continuous Interaction with a Smart Speaker via Low-dimensional Embeddings of Dynamic Hand Pose. **IEEE ICASSP 2023**.
10. **Xuri Ge**, Fuhai Chen, Joemon M. Jose, Zhilong Ji, Zhongqin Wu and Xiao Liu. Structured multi-modal feature embedding and alignment for image-sentence retrieval. **ACM MM 2021**.

11. **Xuri Ge**, Pengcheng Wang, Hu Han, Joemon M Jose, Zhilong Ji, Zhongqin Wu and Xiao Liu. Local Global Relational Network for Facial Action Unit Recognition. **IEEE FG 2021**
12. **Xuri Ge**, Fuhai Chen, Chen Shen and Rongrong Ji. Colloquial image captioning. **IEEE ICME 2019**.
13. Fuhai Chen, Rongrong Ji, Jiayi Ji, Xiaoshui Sun, Baochang Zhang, **Xuri Ge**, Yongjian Wu, Feiyue Huang and Yan Wang. Variational structured semantic inference for diverse image captioning. **NeurIPS 2019**

PREPRINT

1. **Xuri Ge**, Fuhai Chen, Songpei Xu, Fuxiang Tao, Jie Wang and Joemon M. Jose. Semantic Enhanced Hybrid-modal Interaction for Image-Sentence Retrieval [J]. ACM Transactions on Intelligent Systems and Technology (TIST), 2024. (Under View)
2. Fuhai Chen*, **Xuri Ge***, Xiaoshuai Sun, et al. Differentiated Relevances Embedding for Group-based Referring Expression Comprehension [J]. IEEE Transactions on Circuits and Systems for Video Technology (TCSVT), 2024. (Under View, ArXiv Preprint)
3. Fuxiang Tao, Wei Ma, **Xuri Ge**, Anna Esposito and Alessandro Vinciarelli. The Relationship Between Speech Features Changes When You Get Depressed: Feature Correlations for Improving Speed and Performance of Depression Detection. (Under View, ArXiv Preprint)
4. Fuhai Chen, Rongrong Ji, Chengpeng Dai, **Xuri Ge**, et al. Factored Attention and Embedding for Unstructured-view Topic-related Ultrasound Report Generation. ArXiv Preprint, 2022.

🔧 PATENT

1. **Xuri Ge**, Zhilong Ji and Xiao Liu. Retrieval Method, Electronic Device and Computer-readable Medium. CN Patent, CN112287159B (TAL). 2021-2040.
2. **Xuri Ge**, Zhilong Ji and Xiao Liu. Bullet Screen Generation Method and Device, Electronic Equipment and Computer Storage Medium. CN Patent, CN112016573B (TAL). 2021-2040.

🏆 AWARDS

- **Scholarship:**
 - China Scholarship Council (CSC) Scholarships, 2021-2025
 - Xiamen University Scholarship, 2017-2020
- **Prizes:**
 - a. 1st Prize (team name: MAC-Group), award on Workshop of Automatic Generation of Cardiovascular Diagnostic Report, The 22th Medical Image Computing Computer Assisted Intervention (MICCAI 2019), 2019.
 - b. 5th Prize (team name: SenseTime, method name: GraphLayout), award on ICDAR 2019 Robust Reading Challenge.

⚖️ RESEARCH ACTIVATES

- **Conference/Journal Reviewer:** ACM Multimedia2021-2024, WACV2023, ICME2022-2024, FG2021-2024, ICASSP2022, 2023; IJCV, TKDE, Pattern Recognition (PR), TOIS, Multimedia Systems (MM), etc.
- **Activates:**
 - Organizing committee of 3DMM workshop in ICME 2024.
 - Organizing committee of AutoGen-CDR19 challenge in MICCAI 2019.

* LANGUAGES

Chinese: Mother-tongue; English: Fluent.