Xuri Ge

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School of Computing Science, University of Glasgow, Glasgow (G12 8RZ)

🎓 EDUCATION

- **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

- **University of Glasgow** — Glasgow, UK
  Tutor — *Sept. 2021 - Present*
  Served as a Tutor for numerous master 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*

📖 PUBLICATION

PUBLISHED (✉ Corresponding Author, * Equal Contribution)

1. **Xuri Ge**, Songpei Xu, Fuhai Chen, 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. **(JCR Q1, IF=8.6)**.

2. Zijun Long, **Xuri Ge**✉, Richard McCreadie and Jomeon M. Jose. CFIR: Text2Pic Swift: Enhancing Long-Text to Image Retrieval for Large-Scale Libraries. **ACM SIGIR 2024. (CCF-A, CORE Rank A*)**.

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. (CCF-A, CORE Rank A*)**.

4. **Xuri Ge**, Joemon M. Jose, Songpei Xu, Xiao Liu and Hu Han. MGRR-Net: Multi-level Graph Relational Reasoning Network for Facial Action Units Detection [J]. ACM Transactions on Intelligent Systems and Technology (**ACM TIST**), 2024. **(JCR Q2, IF=5.0)**.

5. Songpei Xu, **Xuri Ge**✉, Chaitanya Kaul, Roderick Murray-Smith. HpEIS: Learning Hand Pose Embeddings for Multimedia Interactive Systems. **IEEE ICME 2024 (CCF-B, CORE Rank A)**.

6. Jie Wang, Kanha Bansal, Ioannis Arapakis, **Xuri Ge** and Jomeon M. Jose. Empowering Legal Citation Recommendation via Efficient Instruction-Tuning of Pre-trained Language Models. **ECIR 2024. (CCF-C, CORE Rank A)**.

7. **Xuri Ge**, Fuhai Chen, Songpei Xu, Fuxiang Tao and Joemon M. Jose. Cross-modal Semantic Enhanced Interaction for Image-Sentence Retrieval. **IEEE WACV 2023 (CORE Rank A)**.

8. **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.

9. Fuxiang Tao, **Xuri Ge**✉, Wei Ma, Anna Esposito and Alessandro Vinciarelli. Multi-Local Attention for Speech-based Depression Detection. **IEEE ICASSP 2023 (CCF-B)**.

10. 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 (CCF-B)**.

11. **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 (CCF-A, CORE Rank A*)**.

12. **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 (CCF-C, CORE Rank A)**

13. **Xuri Ge**, Fuhai Chen, Chen Shen and Rongrong Ji. Colloquial image captioning. **IEEE ICME 2019 (CCF-B, CORE Rank A)**.

14. 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 (CCF-A, CORE Rank A*)**.

PREPRINT

1. **Xuri Ge**, Junchen Fu, Fuhai Chen, Shan An, Nicu Sebe, Joemon M. Jose. Towards End-to-End Explainable Facial Action Unit Recognition via Vision-Language Joint Learning. ACM MM 2024. **(Under View)**

2. **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)

3. 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)

4. 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)

5. 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.

⚖ 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.