

CURRICULUM VITAE SHANGLIN LI

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Summary

Shanglin is a doctoral researcher with Klaus-Robert Müller at Technical University Berlin and a Research Associate with Mitsuo Kawato at ATR Japan. With over three years of experience in machine learning, Shanglin is dedicated to developing modern machine learning techniques for brain imaging and quantum chemistry, while keeping interests in generic machine learning topics.

Shanglin actively collaborates with world-leading labs in machine learning, neural engineering, and molecular dynamics. His work has also been recognized by industry partners, such as XNef.

In addition to his research achievements, Shanglin has co-supervised three students, guiding them through their research projects with support and expertise.

Key Publications

† indicates equal contribution

SPDIM: Source-free Unsupervised Conditional and Label Shift Adaptation in EEG

S Li, M Kawanabe and R Kobler

International Conference on Learning Representation (ICLR) 2025

[Paper](#) 

HEEGNet: Hyperbolic Embeddings for EEG

S Li, S Chu, O Koc, Y Ding, Q Zhao, M Kawanabe and Z Chen

International Conference on Learning Representation (ICLR) 2026

[Paper](#) 

EEG-Based Multimodal Learning via Hyperbolic Mixture-of-Curvature Experts

R Zhou[†], **S Li**[†], G Huang, X Zhou, Q Zhao, M Kawanabe, Y Ding and C Guan

International Conference on Machine Learning (ICML) 2026

[Paper](#) 

Incorporating Importance Weighting in Optimal Transport Based Domain Alignment

O Koc, A Soen, **S Li** and M Sugiyama

International Conference on Machine Learning (ICML) 2026

[Paper](#) 

EEG-DLite: Dataset Distillation for Efficient Large EEG Model Training

Y Tang, J Bang, **S Li**, Y Li, C Liu, X Zhou, Y Ding and C Guan

Association for the Advancement of Artificial Intelligence Conference (AAAI) 2026

[Paper](#) 

Research Experience

Neuroimaging

2023~2027 Transfer learning in EEG (ICLR2025, ICLR2026)

2025~ EEG foundation models (AAAI2026)

2025~ Multimodal brain imaging (ICML2026)

Generic machine learning

2026~ Optimal transport (ICML2026)

Work Experience

Doctoral Researcher

05/2026 ~ Berlin Institute for the Foundation of Learning and Data, Germany

Focus: AI for science

Reference: Prof.Dr. Klaus-Robert Müller - klaus-robert.mueller@tu-berlin.de

Cooperate Researcher

04/2023 ~ Advanced Telecom. Research Institute International (ATR), Japan

Focus: Machine learning for brain imaging

Reference: Prof.Dr. Mistuo Kawato - kawato@atr.jp

Associate Researcher

04/2025 ~ 03/2026 RIKEN Center for Advanced Intelligence Project, Japan

Focus: Machine learning for brain imaging

Reference: Prof.Dr. Qibin Zhao - qibin.zhao@riken.jp

Education

PhD Student in Computer Science

05/2026 ~ Technical University of Berlin, Germany

Thesis: To be decided

Reference: Prof.Dr. Klaus-Robert Müller - klaus-robert.mueller@tu-berlin.de

Master in Information Science

04/2023 ~ 03/2025 Nara Institute of Science and Technology, Japan

Thesis: Source-free unsupervised conditional and label shift adaptation in EEG

Reference: Prof.Dr. Motoaki Kawanabe - kawanabe@atr.jp

Bachelor in Vehicle Engineering

09/2018 ~ 06/2022 Nanchang University, China

Education in advanced mathematics, basic programming, and engineering.

Professional Activities

Area Chair

07/2026 ICML 2026 FoGen Workshop

04/2026 ICLR 2026 DeLTa Workshop

Mentoring

- Bachelor Project* Yuting Tang, "Data distillation for EEG foundation models"
Nanyang Technological University, 2025
Related publication: AAAI 2026
- Bachelor Project* Runhe Zhou, "Geometric deep learning for multimodal brain imaging"
Nanyang Technological University, 2025
Related publication: ICML 2026
- Master Project* Shiwen Chu, "Extending TSMNet into online setting with label shifts"
Nara Institute of Science and Technology, 2026
Related publication: EUSPICO 2026

Reviewing

- Journal* Transactions on Knowledge Discovery from Data, ACM
- Conference* International Conference on Learning Representations (ICLR)
International Conference on Machine Learning (ICML)
Neural Information Processing Systems (NeurIPS)
Association for the Advancement of Artificial Intelligence Conference (AAAI)
European Signal Processing Conference (EUSPICO)

Open-source Libraries

SPD Learn: A Geometric Deep Learning Python Library for Neural Decoding
[Project page](#) [Github](#)

Awards and Honors

- 2025 Internship Research Fellowship, ATR
- 2024 Internship Research Fellowship, ATR
- 2023 Internship Research Fellowship, ATR
- 2019 Scholarship of Excellence (top 5%), Nanchang University

Skills

- Programming* Python
- ML frameworks* PyTorch, Scikit-learn, Numpy
- Language* Chinese - Mother tongue
English - Proficient user (Conversationally fluent; Thorough writing skills)
Japanese - Independent user (Daily conversation; Intermediate writing skills)
German - Basic user (Simple words only)

Full Publications

† indicates equal contribution; * indicates corresponding author.

Peer-reviewed conference proceedings

- 04/2026 EEG-Based Multimodal Learning via Hyperbolic Mixture-of-Curvature Experts
R Zhou[†], S Li[†], G Huang, X Zhou, Q Zhao, M Kawanabe, Y Ding and C Guan
International Conference on Machine Learning (ICML) 2026
[Paper](#) 
- 01/2026 HEEGNet: Hyperbolic Embeddings for EEG
S Li, S Chu, O Koc, Y Ding, Q Zhao, M Kawanabe and Z Chen
International Conference on Learning Representation (ICLR) 2026
[Paper](#) 
- 01/2025 SPDIM: Source-free Unsupervised Conditional and Label Shift Adaptation in EEG
S Li, M Kawanabe and R Kobler
International Conference on Learning Representations (ICLR) 2025
[Paper](#) 
- 05/2026 Rectifying Geometric Misalignment: Online Source-Free Adaptation for Class-imbalanced EEG
S Chu, S Li, M Kawanabe and R Kobler
European Signal Processing Conference (EUSPICO) 2026
- 05/2026 Cross-subject Multimodal Emotion Recognition via Resting-state EEG Adaptation
S Chu, S Li, R Kobler and M Kawanabe
European Signal Processing Conference (EUSPICO) 2026
- 04/2026 Incorporating Importance Weighting in Optimal Transport Based Domain Alignment
O Koc, A Soen, S Li and M Sugiyama
International Conference on Machine Learning (ICML) 2026
[Paper](#) 
- 11/2025 EEG-DLite: Dataset Distillation for Efficient Large EEG Model Training
Y Tang, J Bang, S Li, Y Li, C Liu, X Zhou, Y Ding and C Guan
Association for the Advancement of Artificial Intelligence Conference (AAAI) 2026
[Paper](#) 
- 06/2024 Geometric Deep Learning to Enhance Imbalanced Domain Adaptation in EEG
S Li, M Kawanabe and R Kobler
European Symposium on Artificial Neural Networks, Computational Intelligence and Machine Learning (ESANN) 2024
[Paper](#) 

Granted intellectual property and patents

- 08/2023 Expressway electric vehicle energy supply system
M Cao, S Li, F Peng
CN 114407694, China National Intellectual Property Administration 2023.
[Paper](#) 