

Stanford



Youngeun Lee

Postdoctoral Scholar, Psychiatry

Bio

STANFORD ADVISORS

- Manish Saggar, Postdoctoral Faculty Sponsor

LINKS

- Google Scholar: <https://scholar.google.com/citations?user=fCkoUvEAAAAJ>

Research & Scholarship

LAB AFFILIATIONS

- Manish Saggar, Brain Dynamics Lab (11/1/2024)

Publications

PUBLICATIONS

- **Predicting Task Activation Maps from Resting-State Functional Connectivity using Deep Learning.** *bioRxiv : the preprint server for biology*
Madsen, S. J., Uddin, L. Q., Mumford, J. A., Barch, D. M., Fair, D. A., Gotlib, I. H., Poldrack, R. A., Kuceyeski, A., Saggar, M.
2024
- **Learning to Estimate Palpation Forces in Robotic Surgery From Visual-Inertial Data** *IEEE TRANSACTIONS ON MEDICAL ROBOTICS AND BIONICS*
Lee, Y., Husin, H., Forte, M., Lee, S., Kuchenbecker, K. J.
2023; 5 (3): 496-506
- **Diff-E: Diffusion-based Learning for Decoding Imagined Speech EEG**
Kim, S., Lee, Y., Lee, S., Lee, S., Int Speech Commun Assoc
ISCA-INT SPEECH COMMUNICATION ASSOC.2023: 1159-1163
- **2020 International brain-computer interface competition: A review.** *Frontiers in human neuroscience*
Jeong, J. H., Cho, J. H., Lee, Y. E., Lee, S. H., Shin, G. H., Kweon, Y. S., Millán, J. D., Müller, K. R., Lee, S. W.
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- **EEG-Transformer: Self-attention from Transformer Architecture for Decoding EEG of Imagined Speech**
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- **Toward Imagined Speech based Smart Communication System: Potential Applications on Metaverse Conditions**
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- **Mobile BCI dataset of scalp- and ear-EEGs with ERP and SSVEP paradigms while standing, walking, and running.** *Scientific data*
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- **A Real-Time Movement Artifact Removal Method for Ambulatory Brain-Computer Interfaces.** *IEEE transactions on neural systems and rehabilitation engineering : a publication of the IEEE Engineering in Medicine and Biology Society*
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- **EEG dataset and OpenBMI toolbox for three BCI paradigms: an investigation into BCI illiteracy** *GIGASCIENCE*
Lee, M., Kwon, O., Kim, Y., Kim, H., Lee, Y., Williamson, J., Fazli, S., Lee, S.
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- **Mental fatigue in central-field and peripheral-field steady-state visually evoked potential and its effects on event-related potential responses.** *Neuroreport*
Lee, M. H., Williamson, J., Lee, Y. E., Lee, S. W.
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