

Resource Summary Report

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OpenMEEG

RRID:SCR_002510

Type: Tool

Proper Citation

OpenMEEG (RRID:SCR_002510)

Resource Information

URL: <http://openmeeg.gforge.inria.fr>

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Description: A C++ package for low-frequency bio-electromagnetism solving forward problems in the field of EEG and MEG with very high accuracy.

Abbreviations: OpenMEEG

Resource Type: software application, software resource

Defining Citation: [PMID:20819204](#), [PMID:15638183](#)

Keywords: algorithm, c++, eeg, meg, electrocorticography, eeg modeling, forward - inverse, macos, meg modeling, microsoft, modeling, posix/unix-like, windows, bioelectromagnetic

Availability: Free, Available for download, Freely available

Resource Name: OpenMEEG

Resource ID: SCR_002510

Alternate IDs: nlx_155910

Alternate URLs: <http://www.nitrc.org/projects/openmeeg>,
<https://sources.debian.org/src/libopenmeeg-dev/>

License: CeCILL license v2

Record Creation Time: 20220129T080213+0000

Record Last Update: 20260821T042546+0000

Ratings and Alerts

No rating or validation information has been found for OpenMEEG.

No alerts have been found for OpenMEEG.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 112 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Kim J, et al. (2026) Physiological Measures of Reduced Listening Effort in Active Noise Canceling: Evidence From a Low-? Functional Network in an Event-Related Potential Study. Clinical and experimental otorhinolaryngology, 19(2), 145.

Siekierski P, et al. (2026) Alpha oscillations are dysrhythmic in Fragile X syndrome. bioRxiv : the preprint server for biology.

Pedapati EV, et al. (2026) SPG601-associated modulation of resting-state EEG and improvement in executive function in a fragile X syndrome randomized controlled crossover study. Scientific reports, 16(1).

Choi YH, et al. (2026) An Electric Source Imaging Approach Demonstrating Diagnostic Value of Nasopharyngeal Electrodes in Temporal Lobe Epilepsy. Journal of clinical neurophysiology : official publication of the American Electroencephalographic Society, 43(4), 289.

Brilliant , et al. (2026) Alpha oscillatory activity reveals focused-attentional disparity between cochlear implant users and normal hearing listeners. Scientific reports, 16(1).

Fabrizio-Stover EM, et al. (2026) Age-related auditory nerve deficits propagate central gain throughout the auditory system: Associations with cortical microstructure and speech recognition. Neurobiology of aging, 157, 98.

König S, et al. (2026) Effects of perinatal asphyxia on cortical activity in two-year-old children. Neurolmage. Clinical, 49, 103933.

Baradarantohidi E, et al. (2026) Abnormal hippocampo-cortical theta-gamma phase-amplitude coupling in Alzheimer's disease. medRxiv : the preprint server for health sciences.

Tada Y, et al. (2026) Improved Somatotopic Consistency of EEG Source Localization Using a Personalized Segmentation-Free Head Model. Brain topography, 39(4).

Lévêque Y, et al. (2026) Atypical Change Detection in Sound Sequences: A Behavioral and Magnetoencephalography Study in Congenital Amusia. The European journal of neuroscience, 63(9), e70529.

Fabbrizzi M, et al. (2026) A digital twin approach for simultaneous reconstruction of brain anatomy and dynamics from neural data. *PLOS digital health*, 5(6), e0001445.

Ranjan S, et al. (2025) Deep learning-based classification of dementia using image representation of subcortical signals. *BMC medical informatics and decision making*, 25(1), 113.

Thibault N, et al. (2025) Perception of short, but not long, time intervals is modality specific: EEG evidence using vibrotactile stimuli. *Cerebral cortex (New York, N.Y. : 1991)*, 35(3).

Pattamadilok C, et al. (2025) Learning to read transforms phonological into phonographic representations. *Scientific reports*, 15(1), 5398.

Tarasi L, et al. (2025) Perceptual Bias in Motion Discrimination is Related to Asymmetric Interhemispheric Alpha Traveling Waves. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(41), e14623.

Bevilacqua M, et al. (2025) Pathway-dependent brain stimulation responses indicate motion processing integrity after stroke. *Brain : a journal of neurology*, 148(7), 2361.

Trajkovic J, et al. (2025) Aberrant Functional Connectivity and Brain Network Organization in High-Schizotypy Individuals: An Electroencephalography Study. *Schizophrenia bulletin*, 51(5), 1266.

Fabrizio-Stover EM, et al. (2025) Age-related auditory nerve deficits propagate central gain throughout the auditory system: Associations with cortical microstructure and speech recognition. *bioRxiv : the preprint server for biology*.

Angiolelli M, et al. (2025) The Virtual Parkinsonian patient. *NPJ systems biology and applications*, 11(1), 40.

de la Chapelle A, et al. (2025) Brain dynamics of the interplay between auditory selective attention and working memory during melody encoding. *Scientific reports*, 15(1), 22453.