

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: 20260905T133227+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 [Kravitz](#).

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.

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).

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

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

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. *NeuroImage. 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-Wuerttemberg, 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.

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.

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.