

Resource Summary Report

Generated by T1D on Aug 5, 2026

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: 20260805T044039+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 101 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

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

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).

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

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*.

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.

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.

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.

Yassine S, et al. (2024) Electrophysiological signatures of anxiety in Parkinson's disease. *Translational psychiatry*, 14(1), 66.

Steinmetzger K, et al. (2024) The auditory P2 is influenced by pitch changes but not pitch strength and consists of two separate subcomponents. *Imaging neuroscience* (Cambridge, Mass.), 2.

Carretié L, et al. (2024) An extremely fast neural mechanism to detect emotional visual stimuli: A two-experiment study. *PloS one*, 19(6), e0299677.

Krukow P, et al. (2024) Tracking EEG network dynamics through transitions between eyes-closed, eyes-open, and task states. *Scientific reports*, 14(1), 17442.

Kim YW, et al. (2024) The Importance of Low-frequency Alpha (8-10 Hz) Waves and Default Mode Network in Behavioral Inhibition. *Clinical psychopharmacology and neuroscience : the official scientific journal of the Korean College of Neuropsychopharmacology*, 22(1), 53.

Afnan J, et al. (2024) EEG/MEG source imaging of deep brain activity within the maximum entropy on the mean framework: Simulations and validation in epilepsy. *Human brain mapping*, 45(10), e26720.

Wang C, et al. (2024) Network disruption based on multi-modal EEG-MRI in α -synucleinopathies. *Frontiers in neurology*, 15, 1442851.

Bastola S, et al. (2024) Improved Dipole Source Localization from Simultaneous MEG-EEG Data by Combining a Global Optimization Algorithm with a Local Parameter Search: A Brain Phantom Study. *Bioengineering* (Basel, Switzerland), 11(9).

Dib M, et al. (2024) Electroconvulsive therapy modulates loudness dependence of auditory evoked potentials: a pilot MEG study. *Frontiers in psychiatry*, 15, 1434434.

Jun S, et al. (2024) Rapid dynamics of electrophysiological connectome states are heritable. *bioRxiv : the preprint server for biology*.

Bieth T, et al. (2024) Time course of EEG power during creative problem-solving with insight or remote thinking. *Human brain mapping*, 45(1), e26547.