

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 resource, software application

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: 20260801T191045+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 [ASWG](#) .

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-Wurttemberg, 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.

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.

Whittaker HT, et al. (2024) Information-based rhythmic transcranial magnetic stimulation to accelerate learning during auditory working memory training: a proof-of-concept study. *Frontiers in neuroscience*, 18, 1355565.