

Konstantinos Tsilimparis

MSc Graduate

Donders Institute for Brain, Cognition and Behavior

Thomas van Aquinostraat 4, 6525 GD Nijmegen

 [contsili.github.io](https://github.com/contsili) |  [Konstantinos Tsilimparis](#) |  [contsili](#) |  konstantinos.tsilimparis@outlook.com

Academic Positions and Work Experience

Consultant

NEW YORK UNIVERSITY ABU DHABI

Analyzing OPM-MEG data from an auditory experiment.

Skills: Data analysis, GitHub, Jupyter notebooks, MATLAB

Abu Dhabi, United Arab Emirates
(remote)

July 2024 – present

Master student

DONDERS INSTITUTE FOR BRAIN, COGNITION AND BEHAVIOR, MEG METHODS LAB

Supervisors: Prof. Robert Oostenveld, Dr. Jan-Mathijs Schoffelen

Examiners: Prof. Robert Oostenveld, Dr. Ashley Lewis

Thesis: A system with 128 OPMs can outperform a system with 275 SQUIDS. 

Keywords: MEG, source reconstruction, computational modelling, MATLAB

Nijmegen, Netherlands

Sep 2023 – Sep 2024

Trainee

MATHWORKS

Summer scholarship by MathWorks to work on FieldTrip toolbox.

Skills: Software engineering, GitHub, MATLAB

Nijmegen, Netherlands (hybrid)

June 2023 – Sep 2023

Research Assistant

ARISTOTLE UNIVERSITY OF THESSALONIKI, MEDICAL PHYSICS AND DIGITAL INNOVATION LAB

Analyzed MEG data to study the cerebro-cerebellar connectivity in Autism Spectrum Disorder.

Skills: MEG, functional connectivity, graph theory

Thessaloniki, Greece

Oct 2021 – June 2022

Bachelor Student

UNIVERSITY OF CRETE, QUANTUM PHYSICS & QUANTUM BIOLOGY LAB

Internship: Pupillometry and biometrics.

Skills: Optics, laser technology, hands-on laboratory experience

Crete, Greece

Sep 2020 – Feb 2021

Education

Master's Degree, Cognitive Neuroscience

RADBOUD UNIVERSITY

Nijmegen, Netherlands

Sep 2022 – Sep 2024

Erasmus+ Exchange Program

RADBOUD UNIVERSITY

Nijmegen, Netherlands

Jan 2020 – July 2020

Bachelor's Degree, Physics

UNIVERSITY OF CRETE

Crete, Greece

Sep 2017 – Sep 2021

Conference talks

Synapsium

Nijmegen, Netherlands

OPTICALLY-PUMPED MAGNETOMETERS AT DONDERS – ABSTRACT 

April, 2024

Society of Applied Neurosciences

Thessaloniki, Greece

BETA-BAND CEREBRO-CEREBELLAR CONNECTIVITY DURING EMOTIONAL FACE PROCESSING IN ADOLESCENTS WITH AUTISM SPECTRUM DISORDER - ABSTRACT 

Sep, 2022

Scientific events organization

Conferences

CuttingEEGX

Nijmegen, Netherlands

CO-ORGANISING WITH JULIA CHAUVET & ROBERT OOSTENVELD – OFFICIAL PAGE 

Oct, 2024

CuttingGardens

Multi-hub meeting, Worldwide

CO-ORGANISED THE EVENT (GARDEN) IN NIJMEGEN – OFFICIAL PAGE 

Oct, 2023

Hands-on tutorials

Donders MEG/EEG Toolkit

Nijmegen, Netherlands

TUTOR– OFFICIAL PAGE 

May, 2024

Software development and management

FieldTrip

Contributor

MATLAB software toolbox for MEG, EEG and iEEG analysis

MEG pipeline

Documentation and pipeline page for MEG lab at NYU Abu Dhabi

Scientific commitments

Teaching

Mathematical Programming using MATLAB MASTER COGNITIVE NEUROSCIENCE Position: Teaching Assistant Teaching MATLAB to master's students..	<i>Radboud University</i> 2024
Medical Physics SCHOOL OF MEDICINE UNDERGRADUATE PROGRAMME Individual tutoring to bachelor students.	<i>Aristotle University of Thessaloniki</i> 2021

Societies

CuttingEEG association , Member	<i>Worldwide</i> 2023 - present
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Outreaching

MEG/EEG community support Supporting FieldTrip and MNE python community with data analysis questions	<i>Worldwide</i> 2024
Journal Club organizer Discussions on how we can improve research quality	<i>Aristotle University of Thessaloniki</i> 2022