



Dr. Manousos Klados

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WHAT STUDENTS AND COLLEAGUES SAY IN LINKEDIN

«It is my great pleasure to recommend Dr Manousos Klados. Dr Manousos was my personal tutor in my third year of university and he was able to aid me in the development of my 2nd year project involving the use of microprocessors to detect incoming falls of patients undergoing rehabilitation. When asked for help he is quick to understand and provide any help he can which in turn led to the success of my project.

I am very happy to recommend Dr Manousos Klados as both a tutor and lecturer.»

Ms. Ifeoma Nwankwo
Biomedical Engineering Student at Aston
University

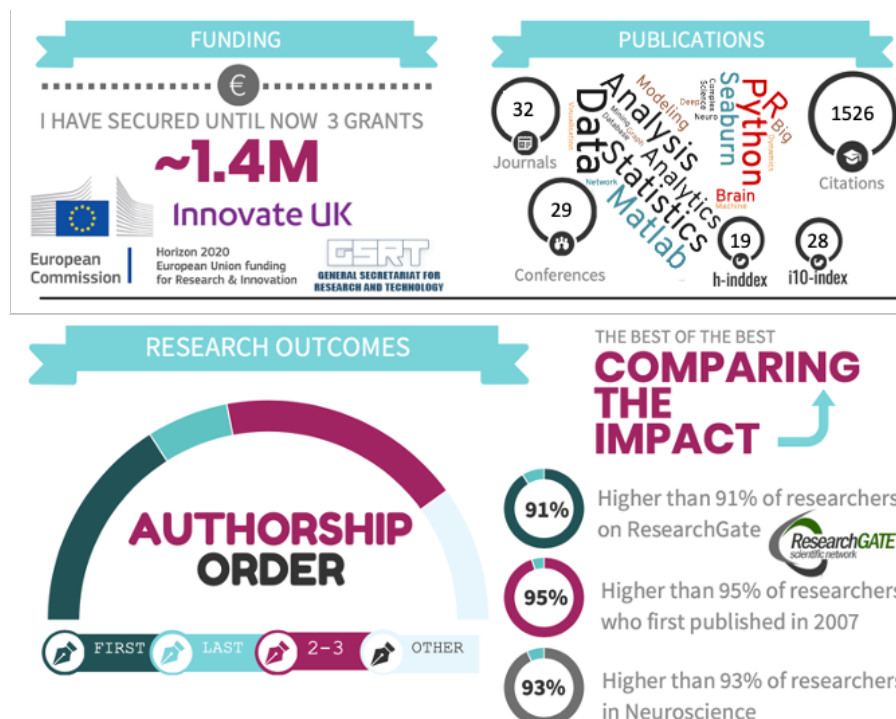
«I had Dr Klados as my lecturer for my BEng course. Dr Klados is a person who goes above and beyond in helping students think outside the box and pushes them to think in their unique way! He is definitely a passionate and a fun lecturer. I had a pleasure knowing Dr Klados!

Ms. Anam Ghuman
Biomedical Engineering Student at Aston
University

MANOUSOS A. KLADOS

MSc, PhD, FIMA, FHEA

ACHIEVEMENTS AT A GLANCE



EDUCATION

2017 – 2018

PGCert in Higher Education

Aston University, Birmingham, UK

2010 – 2014

PhD in Medicine

Aristotle University of Thessaloniki,
Thessaloniki, Greece

2013 – 2013

Course in Computational Neuroscience

University of Washington, USA

2007 – 2009

MSc in Medical Informatics

Aristotle University of Thessaloniki,
Thessaloniki, Greece

2001 – 2007

BSc in Mathematics

Aristotle University of Thessaloniki,
Thessaloniki, Greece

«I know Manousos since a while, in the framework of the organization of different conferences (SAN) and for scientific reasons during a preparation of an EU project (HOPE). I get a super impression of Manousos as a scientist and as a man: very well prepared in his job and in his knowledge of signal processing, he is also gentle and available with everybody. From a professional point of view, his realization of the project HOPE in the framework of the H2020-MSCA-RISE funding program was excellent. The project has been funded and I look forward to interacting with him across the next four years of scientific cooperation in the area of biomedical signal processing. It will be a very interesting scientific trip. »

*Prof. Fabio Babiloni
Prof. of Industrial Neuroscience and
Neuromarketing at Univ. Of Rome
«Sapienza»*

«I had an excellent experience in working with Manousos during SAN conferences, where he was one of the effective organizer. Then our collaboration was prolonged when Prof. Manousos Klados edited my manuscripts in Frontiers of Human neuroscience»

*Prof. Olga Bazanova
Institute of molecular biology and
biophysics, Siberian branch of Russian
academy of science*

«I was fortunate enough to have Dr Manousos Klados as my final year project supervisor. Without his ongoing support and encouragement; the successful completion of the project would not have been possible. His door was always open if ever I needed any advice or had any problems. I greatly benefited from his expertise within the field and his keen interest for teaching.»

*Ms. Natasha Rupasinghe
Student at Aston University*

«Manousos is a dedicated academic, being both a passionate educator and a focused researcher. »

*Prof. Jame Wolffsohn
Associate Pro-Vice Cancellor at Aston
University*

CURRENT POSITION

2020–

Assoc. Professor in Psychology
International Faculty, University of
Sheffield, CITY College, GR

PI

PROJECT: HOPE – High Frequency Oscillation (HFO) in Pediatric Epilepsy

1. Design of the study
2. Development of pipelines based on wavelets to extract features of HFOs.
3. Development of dimensionality reduction algorithms.
4. Investigating the impact of various classification models, including SVMs, deep learning classifiers, CNNs in their accuracy to identify correctly pathological HFOs
5. Manage Aston team
6. Coordinate a consortium of 13 partners across the Europe.

PROJECT: Automatic recognition of Personality based only on EEG signals during emotional processing.

1. Development of explicit feature extraction of EEG signals.
2. Development and test the impact of dimensionality reduction algorithms.
3. Investigating the impact of various classification models, including SVMs, deep learning classifiers, CNN in their accuracy to predict the human personality.
4. Design develop and test the prototype of the automatic personality recognition system in real time.

PREVIOUS POSITION

2017 – 2020

Lecturer in Biomedical Engineering
School of Life and Health
Sciences, Aston University, UK

PI

PROJECT: HOPE – High Frequency Oscillation (HFO) in Pediatric Epilepsy (EU funded: H2020-MC-RISE)

1. Design of the study
2. Development of pipelines based on wavelets to extract features of HFOs.
3. Development of dimensionality reduction algorithms.
4. Investigating the impact of various classification models, including SVMs, deep learning classifiers, CNNs in their accuracy to identify correctly pathological HFOs
5. Manage Aston team
6. Coordinate a consortium of 13 partners across the Europe.

PROJECT: Automatic recognition of Personality based only on EEG signals during emotional processing.

1. Development of explicit feature extraction of EEG signals.
2. Development and test the impact of dimensionality reduction algorithms.
3. Investigating the impact of various classification models, including SVMs, deep learning classifiers, CNN in their accuracy to predict the human personality.

«Manousos is one of the best researchers in his field. I feel very privileged that I had the opportunity to work with him. He has a very collaborative and creative way of working and is excellent at building relationships at all levels. Manousos has profound scientific knowledge in specific areas. He is definitely a problem solver and a great communicator. Working with him is always a joy!»

*Christos Moridis, PhD
Founder and Director of Netvalue
Neuromarketing*

«Manousos recently joined Aston University and I am particularly impressed about his passion and enthusiasm for his research. He also has great entrepreneurial mindset and he is very keen to get involved in activities that can lead to innovation and value creation by engaging with innovative companies.»

*Magda Kosmopoulou, MSc, PhD
Business Development Management at
Aston University*

«I worked with Dr Klados at Aston University and he has been a great team member. Manousos is a great person to work with. He is a professional academic and top researcher in his field. He has excellent communication skills and seems proactive in doing cutting edge research. What makes Manousos very special colleague is his professionalism and dignity. He knows what he is heading too very well and I have no doubt that he will go so far as a leading researcher. I will be glad to work with him in the future in the field of BCI and assistive devices.»

*Khaled Goher, MSc, PhD
Lecturer in Biomedical Engineering at
Aston University*

«I have been working with Manousos for one year. He is a great colleague and he is literally a volcano of great ideas! He is a motivated, forward-thinking and smart lecturer and researcher.»

*Tecla Bonzi, MSc, PhD
Teaching Fellow at Aston University*

4. Design develop and test the prototype of the automatic personality recognition system in real time.

2017 – 2018

Research Consultant

Chair of Lifespan Developmental Neuroscience, TU Dresden, Germany.

Funded by the project EMOTISK from BMBF (DE).

Advisor: **Prof. Shu-Chen Li**

PROJECT: Recognition of brain's age using brain signals (DE Funded: EMOTISK project BMBF)

1. Development of deep learning algorithms to detect brain's age using PyTorch
2. Development of deep learning regression and CNN with Keras
3. Visualisation of complex data

2016 – 2017

Research and Teaching Fellow

Chair of Lifespan Developmental Neuroscience, TU Dresden, Germany

Advisor: **Prof. Shu-Chen Li**

PROJECT: Recognition of brain's age using brain signals (DE Funded: EMOTISK project BMBF)

1. Development of machine learning algorithms to detect brain's age
2. Validation of the aforementioned algorithms in healthy subjects
3. Test the aforementioned algorithms in demented elders.

PROJECT: Model-based and Model-free reinforcement learning (DE Funded: SFB940 by DFG)

1. Development of a maze task based on temporal difference algorithm
2. Compare the performance of the model with actual data from young and older adults.

2014 – 2016

Postdoctoral Fellow

Max Planck Institute for Human Cognitive and Brain Sciences, Germany

Advisor: **Dr. Daniel Margulies**

PROJECT: Functional Connectivity, and their variance across the subjects

1. Phenotypic connectivity maps for personality traits
2. Diffusion mapping and Spectral Graph Theory
3. Classification of BA44/45 based on functional connectivity
4. Development of various algorithm for the processing of fMRI signals

PROJECT: Automatic parcellation of Broca's areas 44 and 45 based on connectivity and structural data

1. Feature selection for the better description of the different connectivity profiles of Broca's 44 and 45
2. Classification using deep learning classifiers and CNN based only on connectivity vectors

(As PI)

« Manousos had been a great Teaching Assistant for particular courses at Lab of Medical Informatics. Very willing to listen to questions and make him self available. Really nice to work with him again»

*Anastasios Zafeiropoulos, MSc
IT Infrastructure Engineer at Lidl Hellas*

« Manousos is a talented scientist with all the qualities needed to be successful at his research field; Hard work, patience and a really sharp mind... »

*Dr. Andreas Triantafyllidis,
Research Scientist at CERTH*

« Our connection was a year before when he was my supervisor in a subject during my Master's degree including digital signal processing, neuroscience, brain connectivity and graph theory, Manousos is very good at teaching and at introducing students to difficult subjects very easily. He is always willing to explain and help in his areas of expertise which are quite many. Always available even though he is hard working and very sociable. »

*Evangelos Stathopoulos, MSc
MSc Student at Aristotle University of
Thessaloniki*

« Manousos has been my supervisor in many of my classes during my Master's degree and during the research for my Master's thesis (that included neuroscience, brain connectivity, and signal processing). I have learned a great deal about him and his abilities. Manousos has excellent teaching capabilities and can effortlessly break down difficult and complex subjects in order to be easily understandable by students with minimum prior knowledge on the subject. He was always willing to help me with whatever issues I had, and was there whenever I needed mentoring in his areas of expertise. His determination and guidance helped me to excel in my classes and led me to be interested in research and neuroscience »

*Georgia Peleka, MSc
Software Engineer, Biomedical
Informatics - Research Assistant in
Information and Technology Institute (ITI)*

PROJECT: Modeling the cerebellar connectome

1. Parcellation of cerebellum.
2. Deep learning hierarchical clustering
3. Graph theoretical approaches
4. New metrics based on information theory in order to compute the functional couplings

2013 – 2015

CEO/PI

Neurofeedback Center of
Northern Greece, Greece

(As PI)

PROJECT: The impact of Intracranial light stimulation in the geriatric depression

1. Review of geriatric depression literature
2. Design, development and implementation of the study
3. Processing of EEG signals and extraction of depression related biomarkers mostly based on connectivity profiles using machine learning and data mining techniques
4. Assessment of the intervention
5. Administrative duties
6. Managerial tasks

2012 – 2014

Research Assistant

Lab of Medical Physics, Aristotle
University of Thessaloniki

Advisor: **Prof. Panagiotis Bamidis**

PROJECT: Multidimensional Research In Affective Computing For The Recognition Of Emotional, Physiological And Biological Activities In Assistive Environments.

1. Study the various models of emotional processing
2. Review literature for new machine learning approaches.
3. Emotional recognition based on EEG signals and connectivity maps
4. Classification strategies for better classification accuracy

PROJECT: Unobtrusive Smart Environments For Independent Living

1. Emotion detection using wearable EEG sensor and functional connectivity maps
2. Development of data fusion framework.
3. Multivariate statistical models.
4. Design and develop python scripts for classification of dangerous events.

PROJECT: The neurobiological base of math anxiety (PhD)

1. Review the literature of anxiety and math anxiety
 2. Study the Attentional Control Theory
 3. Design and implement the experiments
 4. Design and implement the analysis. This part combines a lot of signal processing, stochastic signal processing, multivariate modeling, pattern detection and machine learning.
 5. Develop algorithms to identify mathematical anxiety as well as it's severity using EEG signals.
 6. Propose neurofeedback-based solution to reinforce math anxious students.
 7. Present the results in international conferences and journals
-

« Manousos is a creative thinker and a great problem solver. He is a smart, hard-working person with a strong will to accomplish his chosen goals. His valuable support to my thesis, as a supervisor, has been excellent and crucial for my work. »

*Vasilis Pezoulas,
MSc Student at
Technical University of Crete*

« While attending my MSc in Medical Informatics, Manousos tutored in several courses and I can say that his lectures was among the most interesting and informative in the whole program.»





*Alkinoos Athanasiou, MSc
PhD Student at Aristotle University of
Thessaloniki*

« While attending my Master in Medical Informatics, Manousos was a tutor in several courses. In his lectures and practical sessions he was always very well prepared and very happy to answer all the questions and guide us. After tutoring hours, he was always making himself available and was always willing to help. He also helped me with the final analysis of my master thesis. I must say that his devotion and enthusiasm in his work always inspired me. The discussions we had, got me interested as well in the field of Neurosciences and some years later I am doing my PhD at a similar field as his. I hope we will have the opportunity to collaborate in the near future.»

*Konstantina Kallogiani, MSc
PhD Student at TU Delft*

SCIENTIFIC ACTIVITIES

Editorial Board of the following journals:

-  Journal of Psychology & Clinical Psychiatry
-  International Journal of Neurological Disorders & Interventions
-  International Journal of Psychology and Behavioral Science
-  Frontiers in Human Neuroscience

2011 – 2011

Research Assistant

Computer Science Department,
University of Cyprus, Cyprus

Advisor: **Prof. Constantinos Pattichis**

PROJECT: Long Lasting Memories

1. Functional Connectivity analysis of EEG signals for the various groups of interventions

2007 – 2010

Research Assistant

Lab of Medical Informatics,
Aristotle University of Thessaloniki

Advisor: **Prof. Panagiotis Bamidis**

PROJECT: Long Lasting Memories

1. Design and development of the study
 2. Run EEG trials
 3. Development of the pre-processing pipeline for the EEG data
- PROJECT:** Extended Mediterranean network of educational resources for higher and continuing medical education

TEACHING

2020 –

Introduction in Research Methods in Clinical Neuropsychology (CPY6125)

Module Leader

MSc in Clinical Neuropsychology, International Faculty of the University of Sheffield, CITY College

2020 –

Fundamentals of Neuropsychology (CPY6124)

Module Leader

MSc in Clinical Neuropsychology, International Faculty of the University of Sheffield, CITY College

2020 –

Introduction in Research Methods in Counseling Psychology (CPY6123)

Module Leader

MSc in Counselling Psychology, International Faculty of the University of Sheffield, CITY College

2020 –

Psychological Research Methods (CPY2229)

Module Leader

BSc in Psychology, International Faculty of the University of Sheffield, CITY College

 Frontiers in Psychology	2020 –
 Frontiers in Psychiatry	
 International Journal of Bioelectromagnetism	
Reviewer of the following journals:	2020 –
 International Journal of Psychophysiology	
 Biomedical Signal Processing and Control	
 PloS One	2017 – 2020
 Journal of Psychology & Clinical Psychiatry	
 Clinical EEG & Neuroscience	
 IEEE Transactions on Biomedical Engineering	2017 – 2020
 PeerJ	
 Frontiers in Human Neuroscience	
 Neuroimage	2016 – 2017
 British Journal of Mathematics and Computer Science	
 Nature - Scientific Reports	
 Entropy	2013 – 2014
 Neuroscience Letters	
 Nature – Translational Psychiatry	
 Acta Astronautica	2012 – 2012
Chair of the following conferences:	
 IEEE BR41N.IO BCI Hackathon (BCIH2019)	
 Society of Applied Neuroscience Meeting 2016 (SAN2016)	2010 – 2012
Organizing committee of the following conferences:	
 IEEE International Conference on Biohealth and Biomedical Engineering 2019 (BIBE2019)	
 Society of Applied Neuroscience Meeting 2019 (SAN2019)	2008 – 2013
 2nd International Conference on Brain Function Assessment and Learning (BFAL2018)	
 Society of Applied Neuroscience Meeting 2014 (SAN2014)	

Discovering Science (CPY1103)

Module Leader

BSc in Psychology, International Faculty of the University of Sheffield, CITY College

Research Methods in Counseling Psychology (CPY6108)

Module Leader

MSc in Counselling Psychology, International Faculty of the University of Sheffield, CITY College

Software Engineering (BE1SE1)

Module Leader

BEng/MEng in Biomedical Engineering, Aston University, UK

Medical Imaging (BE3IM1)

Module Leader

BEng/MEng in Biomedical Engineering, Aston University, UK

EEG Signal Processing

Module Leader

MSc in Cognitive and Affective Neuroscience, TU Dresden Germany

Biological Networks

Core Instructor

MSc in Complex Systems and Networks, Aristotle University of Thessaloniki, Greece

Biological Networks

Teaching Assistant

MSc in Complex Systems and Networks, Aristotle University of Thessaloniki, Greece

Brain Functional Connectivity

Teaching Assistant

MSc in Medical Informatics, Aristotle University of Thessaloniki, Greece

EEG Signal Processing

Teaching Assistant


MSc in Medical Informatics, Aristotle University of Thessaloniki, Greece

Medical Informatics













Head Lab Tutor

-  Society of Applied Neuroscience Meeting 2011 (SAN2011)
-  The 12th Mediterranean Conference On Medical And Biological Engineering And Computing (MEDICON2010)
-  6th International Conference of Aerospace Medicine (IAA 2009)
-  5th Annual Scientific Conference of the Medical School of Aristotle University of Thessaloniki (5th SCMSAUTH)

Project Reviewer for:

-  The national science center of Poland - (2018)
-  The Ministry of Education, Universities and Research of Italy – PRIN call (2018)

PROFESSIONAL ASSOCIATIONS

-  Board Member of the Society of Applied Neuroscience (SAN)
-  International Brain Research Organization (IBRO)
-  Institute of Electrical and Electronics Engineers (IEEE)
-  International Federation for Medical and Biological Engineering (IFMBE)
-  European Alliance for Medical and Biological Engineering Science (EAMBES)
-  Max Planck Society
-  Hellenic Society of Neuroscience (HSN)
-  MENSA
-  Hellenic Society of Biomedical Engineering (ELEVIT)
-  Hellenic Mathematical Society (HMS)
-  Fellow of Institute of Mathematics and Applications (IMA)
-  Fellow of Higher Education Academy (HEA)

BSc in Medicine and Dentistry, Aristotle University of Thessaloniki, Greece

FUNDING

2019 – 2023

HOPE - (PI/Coordinator)

1.23M€

Funded by the EU under the H2020-MC-RISE scheme (No: 823958).

Aston University, UK

2018 – 2021

OPTIMEC - (co-I).

234.000£

Funded by the Innovate UK under the Knowledge Transfer Partnership.

Aston University, UK

2014 – 2016

Personal Grant - (PI)

64.000€

Funded by the Max Planck Society for my postdoctoral research

Max Planck Institute of Human Cognitive and Brain Science, Germany

2013 – 2015

NEUROFOS - (PI)

87.000€

Funded by the General Secretariat of Research and Technology of Greek Government.

Neurofeedback Center of Northern Greece, Greece

2012 – 2012

Scholarship

4.000€

Scholarship for research excellence by the Aristotle University of Thessaloniki.

Aristotle University of Thessaloniki, Greece

2007 – 2009

EPEAK fellow

4.000€

Scholarship for my studies in the MSc in Medical Informatics by the Greek Ministry Of Education And Religion.

Aristotle University of Thessaloniki, Greece

SKILLSET

MODALITIES

EEG

MEG



AWARDS

2013

Award

Certification of recognition for my publication entitled "Towards A Graph Theoretical Approach To Study Gender Lateralization Effect In

fMRI					
MRI					
fNIRS					

METHODOLOGIES

CONNECTIVITY					
DYNAMIC CONN.					
MACHINE LEARNING					
DATA MINING					
ERP/ERO/ERDS					
TIME-FREQUENCY					
ARTIFACT REJECTION					
CDR					
MICROSTATES					

COMPUTATIONAL

C/C++/C#					
.NET					
PHP-SQL					
HTML5/JAVASCRIPT					
PYTHON					
FORTRAN					
MATLAB					
R					
BRAINSTORM					
EEGLAB					
KERAS					
PYTORCH					
BRAINGL					
PRESENTATION					
E-PRIME					
WEKA					
NEUROSKY API					
EMOTIV API					

MATHEMATICAL

MULT. STAT.					
LATENT VAR. MOD.					
GRAPH THEORY					
SPEC. GRAPH TH.					
MODELING					
WAVELETS					

PERSONAL

COMMUNICATION					
ORGANIZATION					
TEAM MANAGEM.					
PROBLEM SOLVING					

2010

2009

2009

Mathematical Thinking" in IEEE 12th International Conference On Bioinformatics And Bioengineering

Distinction

Distinction of my paper entitled "REG-ICA: A Hybrid Methodology Combining Blind Source Separation And Regression Techniques For The Rejection Of Ocular Artifacts" as the most cited articles. Elsevier – Biomedical Signal Processing And Control.

Award

Praise for outstanding research activity within the graduate program of the medical school of the Aristotle University Of Thessaloniki for my publication entitled "REG-ICA: A Hybrid Methodology Combining Blind Source Separation And Regression Techniques For The Rejection Of Ocular Artifacts". Medical School Of Aristotle University Of Thessaloniki

Award

Certification of merit for my publication entitled "REG-ICA: A New Hybrid Method For Eog Artifact Rejection" in IEEE 9th International Conference On Information Technology And Application In Biomedicine.

PUBLICATIONS

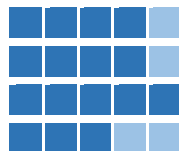
GUEST EDITOR IN SPECIAL ISSUES

1. **M.A. Klados (Lead Guest Editor)**, P. Arico, A. Vivas, "**Network Neuroscience: Brain Networks in the Field of Affective, Cognitive and Personality Neuroscience**", Brain Sciences.
2. **M.A. Klados (Lead Guest Editor)**, J.H. Gruzelier and P.D. Bamidis , "**Applied Neuroscience: Methodology, Modeling, Theory, Applications and Reviews**", Frontiers in Human Neuroscience (Accepted).
3. **M.A. Klados**, P.D. Bamidis and J.H. Gruzelier, **Biennial Meeting of the Society of Applied Neuroscience (SAN2016)**, Publisher: Frontiers Media SA, ISBN: 978-2-88919-993-8
4. P.D.Bamidis, **M. A. Klados**, A.B. Vivas, C. Pappas, and J.H. Gruzelier. "**In Abstracts of the 3rd Biennial Meeting of the Society of Applied Neuroscience** 5–8 May 2011, Thessaloniki, Greece.", Neuroscience Letters, vol. 500, p. 1. 2011.

PEER-REVIEWED INTERNATIONAL JOURNALS

(*Equal Contribution **Senior Author)

1. Stergiadis, C., Kostaridou, V. D., & **Klados, M. A.** (2022). **Which BSS method separates better the EEG Signals? A comparison of five different algorithms.** Biomedical Signal Processing and Control, 72, 103292.



2. Mortaheb, S., **Klados, M. A.**, Van Calster, L., Boulakis, P. A., Georgoula, K., Majerus, S., & Demertzi, A. (2021). **Mind blanking is associated with a rigid spatio-temporal profile in typical wakefulness.** bioRxiv.
3. Anagnostopoulou, A., Styliadis, C., Kartsidis, P., Romanopoulou, E., Zilidou, V., Karali, C., Karagianni, M., **Klados, M.**, Paraskevopoulos, E., Bamidis, P. D. (2021). **Computerized physical and cognitive training improves the functional architecture of the brain in adults with Down Syndrome: a network science EEG study.** Network Neuroscience (5) 1. https://doi.org/10.1162/netn_a_00177
4. **Klados, M. A.**, Konstantinidi, P., Dacosta-Aguayo, R., Kostaridou, V.-D., Vinciarelli, A., & Zervakis, M. (2020). **Automatic Recognition of Personality Profiles Using EEG Functional Connectivity During Emotional Processing.** In Brain Sciences (Vol. 10, Issue 5). <https://doi.org/10.3390/brainsci10050278>
5. Sciaraffa, N., **Klados, M. A.**, Borghini, G., Flumeri, G. Di, Babiloni, F., & Aricò, P. (2020). **Double-Step Machine Learning Based Procedure for HFOs Detection and Classification.** Brain Sciences 2020, Vol. 10, Page 220, 10(4), 220. <https://doi.org/10.3390/BRAINSCI10040220>
6. Ros, T., Enriquez-Geppert, S., Zotev, V., Young, K. D., Wood, G., Whitfield-Gabrieli, S., Wan, F., Vuilleumier, P., Vialatte, F., Van De Ville, D., Todder, D., Surmeli, T., Sulzer, J. S., Strehl, U., Sterman, M. B., Steiner, N. J., Sorger, B., Soekadar, S. R., Sitaram, R., ... Thibault, R. T. (2020). **Consensus on the reporting and experimental design of clinical and cognitive-behavioural neurofeedback studies (CRED-nf checklist).** Brain. <https://doi.org/10.1093/brain/awaa009>
7. **Baeuchl, C., Chen, H.-Y., Su, Y.-S., Hämmerer, D., **Klados, M. A.***, & Li, S.-C*. (2019). **Interactive effects of dopamine transporter genotype and aging on resting-state functional networks.** PLOS ONE, 14(5), e0215849. <https://doi.org/10.1371/journal.pone.0215849>
8. **Klados, M. A.**, Paraskevopoulos, E., Pandria, N., & Bamidis, P. D. (2019). **The impact of math anxiety on working memory: A cortical activations and cortical functional connectivity EEG study.** IEEE Access, 1–1. <https://doi.org/10.1109/ACCESS.2019.2892808>
9. Ros, T., Enriquez-Geppert, S., Zotev, V., Young, K., Wood, G., Whitfield-Gabrieli, S., ... Thibault, R. T. (2019, January 23). **Consensus on the reporting and experimental design of clinical and cognitive-behavioural neurofeedback studies (CRED-nf checklist).** <https://doi.org/10.31234/osf.io/nyx84>
10. Pezoulas, V. C., Michalopoulos, K., **Klados, M.**, Micheloyannis, S., Bourbakis, N., & Zervakis, M. (2018). **Functional connectivity analysis of cerebellum using spatially constrained spectral clustering.** IEEE Journal of Biomedical and Health Informatics, 1–1. <http://doi.org/10.1109/JBHI.2018.2868918>
11. Ilg, L., **Klados, M.**, Alexander, N., Kirschbaum, C., & Li, S.-C. (2018). **Long-term impacts of prenatal synthetic glucocorticoids exposure on functional brain correlates of cognitive monitoring in adolescence.** Scientific Reports, 8(1). <http://doi.org/10.1038/s41598-018-26067-3>
12. Athanasiou, A., **Klados, M. A.**, Pandria, N., Foroglou, N., Kavazidi, K. R., Polyzoidis, K., & Bamidis, P. D. (2017). **A Systematic Review of Investigations into Functional Brain Connectivity Following Spinal Cord Injury.** Frontiers in Human Neuroscience. Retrieved from <https://www.frontiersin.org/article/10.3389/fnhum.2017.00517>
13. **Klados, M. A.**, Pandria, N., Micheloyannis, S., Margulies, D., & Bamidis, P. D. (2017). **Math anxiety: Brain cortical network changes in anticipation of doing mathematics.** International Journal of Psychophysiology. <http://doi.org/10.1016/j.ijpsycho.2017.05.003>
14. **Pezoulas, V., Zervakis, M., Micheloyannis, S., & **Klados, M. A.** (2017). **Resting-state functional connectivity and network analysis of**

- cerebellum with respect to crystallized IQ and gender.** *Frontiers in Human Neuroscience*. Retrieved from <http://journal.frontiersin.org/article/10.3389/fnhum.2017.00189>
15. Jakobsen, E., Liem, F., **Klados, M. A.**, Bayrak, Ş., Petrides, M., & Margulies, D. S. (2016). **Automated individual-level parcellation of Broca's region based on functional connectivity.** *NeuroImage*. <http://doi.org/10.1016/j.neuroimage.2016.09.069>
 16. **Klados, M. A.**, & Bamidis, P. D. (2016). **A semi-simulated EEG/EOG dataset for the comparison of EOG artifact rejection techniques.** *Data in Brief*, 8, 1004–1006. <http://doi.org/10.1016/j.dib.2016.06.032>
 17. Athanasiou, A., **Klados, M. A.**, Styliadis, C., Foroglou, N., Polyzoidis, K., & Bamidis, P. D. (2016). **Investigating the role of alpha and beta rhythms in functional motor networks.** *Neuroscience*. <http://doi.org/10.1016/j.neuroscience.2016.05.044>
 18. **Klados, M. A.**, Styliadis, C., Frantzidis, C. A., Paraskevopoulos, E., & Bamidis, P. D. (2016). **Beta-Band Functional Connectivity is Reorganized in Mild Cognitive Impairment after Combined Computerized Physical and Cognitive Training.** *Frontiers in Neuroscience*, 10. <http://doi.org/10.3389/fnins.2016.00055>
 19. **Klados, M. A.**, Simos, P., Micheloyannis, S., Margulies, D., & Bamidis, P. D. (2015). **ERP measures of math anxiety: how math anxiety affects working memory and mental calculation tasks?** *Frontiers in Behavioral Neuroscience*, 9. <http://doi.org/10.3389/fnbeh.2015.00282>
 20. Frantzidis, C. A., Vivas, A. B., Tsolaki, A., **Klados, M. A.**, Tsolaki, M., & Bamidis, P. D. (2014). **Functional disorganization of small-world brain networks in mild Alzheimer's Disease and amnesic Mild Cognitive Impairment: an EEG study using Relative Wavelet Entropy (RWE).** *Frontiers in Aging Neuroscience*, 6. <http://doi.org/10.3389/fnagi.2014.00224>
 21. **Klados, M. A.** & Bamidis, P.D.(2014). **Beyond the Clinical Use of Neurofeedback.** *Journal of Psychology & Clinical Psychiatry*, 1(3). <http://doi.org/10.15406/jpcpy.2014.01.00014>
 22. Bamidis, P. D., Vivas, A. B., Styliadis, C., Frantzidis, C., **Klados, M.A.**, Schlee, W., ... Papageorgiou, S. G. (2014). **A review of physical and cognitive interventions in aging.** *Neuroscience & Biobehavioral Reviews*, 44, 206–220. <http://doi.org/10.1016/j.neubiorev.2014.03.019>
 23. **Klados, M. A.**, Kanatsouli, K., Antoniou, I., Babiloni, F., Tsirka, V., Bamidis, P. D., & Micheloyannis, S. (2013). **A Graph theoretical approach to study the organization of the cortical networks during different mathematical tasks.** *PloS One*, 8(8), e71800. <http://doi.org/10.1371/journal.pone.0071800>
 24. Athanasiou, A., Lithari, C., Kalogianni, K., **Klados, M. A.**, & Bamidis, P. D. (2012). **Source Detection and Functional Connectivity of the Sensorimotor Cortex during Actual and Imaginary Limb Movement: A Preliminary Study on the Implementation of eConnectome in Motor Imagery Protocols.** *Advances in Human-Computer Interaction*, 2012, 1–10. <http://doi.org/10.1155/2012/127627>
 25. Lithari, C., **Klados, M. A.**, Papadelis, C., Pappas, C., Albani, M., & Bamidis, P. D. (2012). **How does the metric choice affect brain functional connectivity networks?** *Biomedical Signal Processing and Control*, 7(3), 228–236. <http://doi.org/10.1016/j.bspc.2011.05.004>
 26. Lithari, C., **Klados, M. A.**, Pappas, C., Albani, M., Kapoukranidou, D., Kovatsi, L., ... Papadelis, C. L. (2012). **Alcohol Affects the Brain's Resting-State Network in Social Drinkers.** *PLoS ONE*, 7(10).
 27. **Klados, M. A.**, Papadelis, C., Frantzidis, C., & Bamidis, P. (2011). **Is the Artifact Rejection enhanced if the EOG signals are included in the ICA decomposition?** *Neuroscience Letters*, 500, e50–e51. <http://doi.org/10.1016/j.neulet.2011.05.216>

28. Moridis, C., **Klados, M. A.**, Terzis, V., Economides, A., Karlovasitou, A., Bamidis, P., & Karabatakis, V. (2011). **Audiovisual stimulation to influence alpha brain oscillations: An EEG study of gender differences.** *Neuroscience Letters*, 500, e51. <http://doi.org/10.1016/j.neulet.2011.05.217>
29. Frantzidis, C., Semertzidou, A., Ladas, A., Karagianni, M., Lithari, C., Kyriolidou, A., ... Bamidis, P. (2011). **Detecting neurophysiological alterations during Mild Cognitive Impairment and Dementia using wavelet-based energy computation and a Mahalanobis Distance classifier.** *Neuroscience Letters*, 500, e53. <http://doi.org/10.1016/j.neulet.2011.05.225>
30. **Klados, M. A.**, Papadelis, C., Braun, C., & Bamidis, P. D. (2011). **REG-ICA: A hybrid methodology combining Blind Source Separation and regression techniques for the rejection of ocular artifacts.** *Biomedical Signal Processing and Control*, 6(3), 291–300. <http://doi.org/10.1016/j.bspc.2011.02.001>
31. Frantzidis, C. A., Bratsas, C., **Klados, M. A.**, Konstantinidis, E., Lithari, C. D., Vivas, A. B., ... Bamidis, P. D. (2010). **On the Classification of Emotional Biosignals Evoked While Viewing Affective Pictures: An Integrated Data-Mining-Based Approach for Healthcare Applications.** *IEEE Transactions on Information Technology in Biomedicine*, 14(2), 309–318. <http://doi.org/10.1109/TITB.2009.2038481>
32. Lithari, C., Frantzidis, C., **Klados, M. A.**, & Bamidis, P. D. (2010). **Does arousal and valence affect ERPs and brain connectivity? A study during an emotional paradigm.** *International Journal of Psychophysiology*, 77(3), 266–266. <http://doi.org/10.1016/j.ijpsycho.2010.06.101>
33. Lithari, C., Frantzidis, C. A., Papadelis, C., Vivas, A. B., **Klados, M. A.**, Kourtidou-Papadeli, C., ... Bamidis, P. D. (2010). **Are females more responsive to emotional stimuli? A neurophysiological study across arousal and valence dimensions.** *Brain Topography*, 23(1), 27–40. <http://doi.org/10.1007/s10548-009-0130-5>
34. **Klados, M. A.**, Frantzidis, C., Vivas, A. B., Papadelis, C., Lithari, C., Pappas, C., & Bamidis, P. D. (2009). **A Framework Combining Delta Event-Related Oscillations (EROs) and Synchronisation Effects (ERD/ERS) to Study Emotional Processing.** *Computational Intelligence and Neuroscience*, 2009, 1–16. <http://doi.org/10.1155/2009/549419>

PRESENTATIONS IN INTERNATIONAL COFERENCES WITH PUBLISHED PROCEEDINGS

1. Giannakaki, K., Giannakakis, G., Vorgia, P., **Klados, M.**, & Zervakis, M. (2019). **Automatic Absence Seizure Detection Evaluating Matching Pursuit Features of EEG Signals.** 2019 IEEE 19th International Conference on Bioinformatics and Bioengineering (BIBE), 886–889. <https://doi.org/10.1109/BIBE.2019.00165>
2. Klados, G. A., Zervakis, M., Dacosta-Aguayo, R., Fratini, A., & **Klados, M. A.** (2019). **Towards a Novel Way to Predict Deficits After a Brain Lesion: A Stroke Example.** 2019 IEEE 19th International Conference on Bioinformatics and Bioengineering (BIBE), 737–741. <https://doi.org/10.1109/BIBE.2019.00138>
3. Fenech, M., Seri, S., & **Klados, M.** (2019). **High-Frequency Oscillations in Epilepsy: A Short Review.** 2019 IEEE 19th International Conference on Bioinformatics and Bioengineering (BIBE), 882–885. <https://doi.org/10.1109/BIBE.2019.00164>
4. Pezoulas, V. C., Athanasiou, A., Nolte, G., Zervakis, M., Fratini, A., Fotiadis, D. I., & **Klados, M. A.** (2018). **FCLAB: An EEGLAB module for performing functional connectivity analysis on single-subject EEG data.** In 2018 IEEE EMBS International Conference on Biomedical & Health

5. **Klados, M. A.**, Pandria, N., Athanasiou, A., & Bamidis, P. D. (2017). **An Automatic EEG Based System for the Recognition of Math Anxiety**. In 2017 IEEE 30th International Symposium on Computer-Based Medical Systems (CBMS) (pp. 409–412). IEEE. <http://doi.org/10.1109/CBMS.2017.107>
6. Dacosta-Aguayo, R., Stephan-Otto, C., Auer, T., Clemente, I., Davalos, A., Bargallo, N., ... **Klados, M. A.** (2017). **Predicting Cognitive Recovery of Stroke Patients from the Structural MRI Connectome Using a Naïve Bayesian Tree Classifier**. In 2017 IEEE 30th International Symposium on Computer-Based Medical Systems (CBMS) (pp. 413–418). IEEE. <http://doi.org/10.1109/CBMS.2017.106>
7. **Klados, M.A.**, Lauckner, M., Jackobsen, E., & Daniel, M. (2016). **Characterizing the Primary Spectrum of Personality and Brain Connectivity**. In 22nd Annual Meeting of the Organization for Human Brain Mapping.
8. Pezoulas, V., Zervakis, M., Micheloyannis, S., & **Klados, M. A.** (2016). **Investigating the correlation between crystallized IQ and network metrics in cerebellum using resting-state fMRI**. *Frontiers in Human Neuroscience*, 10. <http://doi.org/10.3389/conf.fnhum.2016.220.00013>
9. **Klados, M. A.** (2016). **Human Connectome as a big-data problem: New approaches for analysis and visualization**. *Frontiers in Human Neuroscience*, 10. <http://doi.org/10.3389/conf.fnhum.2016.220.00012>
10. Athanasiou, A., **Klados, M. A.**, Astaras, A., Foroglou, N., Magras, I., & Bamidis, P. D. (2016). **State of the Art and Future Prospects of Nanotechnologies in the Field of Brain-Computer Interfaces**. In XIV Mediterranean Conference on Medical and Biological Engineering and Computing (pp. 456–460). Springer. http://doi.org/10.1007/978-3-319-32703-7_89
11. Athanasiou, A., **Klados, M. A.**, Foroglou, N., Klados, K. R., Polyzoidis, K., & Bamidis, P. D. (2016). **Reorganization of brain networks after spinal cord injury: a qualitative synthesis of the literature**. *Frontiers in Human Neuroscience*, 10. <http://doi.org/10.3389/conf.fnhum.2016.220.00036>
12. Bayrak, Ş., Margulies, D., Bamidis, P., & **Klados, M. A.** (2016). **Mathematical Anxiety influences the cortical connectivity profiles in lower alpha band during working memory tasks**. *Frontiers in Human Neuroscience*, 10. <http://doi.org/10.3389/conf.fnhum.2016.220.00001>
13. Jakobsen, E., **Klados, M.A.**, Zelmer, J., Goulas, A., & Margulies, D. S. (2015). **Automated individual-level parcellation of Broca's region based on resting-state functional connectivity**. In 21st Annual Meeting of the Organization for Human Brain Mapping (OHBM).
14. **Klados, M. A.**, Styliadis, C., & Bamidis, P. D. (2014). **A Short Review on Emotional Recognition Based on Biosignal Pattern Analysis**. In XIII Mediterranean Conference on Medical and Biological Engineering and Computing (pp. 787–790). http://doi.org/10.1007/978-3-319-00846-2_195
15. Bamparopoulos, G., **Klados, M. A.**, Papathanasiou, N., Antoniou, I., Micheloyannis, S., & Bamidis, P. D. (2014). **Studying Functional Brain Networks to Understand Mathematical Thinking: A Graph-Theoretical Approach**. In L. M. Roa Romero (Ed.), XIII Mediterranean Conference on Medical and Biological Engineering and Computing (Vol. 41, pp. 783–786). Springer International Publishing. http://doi.org/10.1007/978-3-319-00846-2_194
16. **Klados, M. A.**, Nikolaidou, M., Konstantinidis, E., Chifari, A., & Bamidis, P. D. (2013). **A short review of computerized monitoring systems for ADHD**. In Proceedings of the 26th IEEE International Symposium on Computer-

- Based Medical Systems (pp. 556–557). IEEE.
<http://doi.org/10.1109/CBMS.2013.6627875>
17. **Klados, M. A.**, Lithari, C., Antoniou, I., Semertzidou, A., Bratsas, C., Micheloyannis, S., & Bamidis, P. D. (2012). **Towards a graph theoretical approach to study gender lateralization effect in mathematical thinking**. In 2012 IEEE 12th International Conference on Bioinformatics & Bioengineering (BIBE) (pp. 666–670). IEEE.
<http://doi.org/10.1109/BIBE.2012.6399746>
 18. Frantzidis, C. A., Diamantoudi, M. D., Grigoriadou, E., Semertzidou, A., Billis, A., Konstantinidis, E., ... Bamidis, P. D. (2012). **A Mahalanobis Distance Based Approach towards the Reliable Detection of Geriatric Depression Symptoms Co-existing with Cognitive Decline**. In L. Iliadis, I. Maglogiannis, H. Papadopoulos, K. Karatzas, & S. Sioutas (Eds.), Artificial Intelligence Applications and Innovations SE - 2 (Vol. 382, pp. 16–25). Springer Berlin Heidelberg. http://doi.org/10.1007/978-3-642-33412-2_2
 19. Artikis, A., Bamidis, P. D., Billis, A., Bratsas, C., Frantzidis, C., Karkaletsis, V., ... others. (2012). **Supporting tele-health and AI-based clinical decision making with sensor data fusion and semantic interpretation: The USEFIL case study**. International Workshop on Artificial Intelligence and NetMedicine, 21.
 20. **Klados, M. A.**, Bratsas, C., Frantzidis, C., Papadelis, C. L., & Bamidis, P. D. (2010). **A Kurtosis-Based Automatic System Using Naïve Bayesian Classifier to Identify ICA Components Contaminated by EOG or ECG Artifacts**. In XII Mediterranean Conference on Medical and Biological Engineering and Computing (pp. 49–52). http://doi.org/10.1007/978-3-642-13039-7_13
 21. Lithari, C., **Klados, M. A.**, & Bamidis, P. D. (2010). **Graph Analysis on Functional Connectivity Networks during an Emotional Paradigm**. In XII Mediterranean Conference on Medical and Biological Engineering and Computing (pp. 115–118). Springer. http://doi.org/10.1007/978-3-642-13039-7_29
 22. Moridis, C. N., **Klados, M. A.**, Terzis, V., Economides, A. A., Karabatakis, V. E., Karlovasitou, A., & Bamidis, P. D. (2010). **Affective Learning: Empathetic Embodied Conversational Agents to Modulate Brain Oscillations**. In XII Mediterranean Conference on Medical and Biological Engineering and Computing (pp. 675–678). http://doi.org/10.1007/978-3-642-13039-7_170
 23. Komnidis, A., Konstantinidis, E., Stylianou, I., **Klados, M. A.**, Kalfas, A., & Bamidis, P. D. (2010). **A Modular Architecture of a Computer-Operated Olfactometer for Universal Use**. In XII Mediterranean Conference on Medical and Biological Engineering and Computing (pp. 280–283). http://doi.org/10.1007/978-3-642-13039-7_70
 24. Moridis, C. N., **Klados, M. A.**, Kokkinakis, I. A., Terzis, V., Economides, A. A., Karlovasitou, A., ... Karabatakis, V. E. (2010). **The impact of audio-visual stimulation on alpha brain oscillations: An EEG study**. In Proceedings of the 10th IEEE International Conference on Information Technology and Applications in Biomedicine (pp. 1–4). IEEE. <http://doi.org/10.1109/ITAB.2010.5687651>
 25. Frantzidis, C. A., Lithari, C. D., **Klados, M. A.**, Pappas, C., & Bamidis, P. D. (2010). **Synchronization analysis of short EEG data through time-evolving relative wavelet entropy and IAPS affective visual stimuli**. In Proceedings of the 10th IEEE International Conference on Information Technology and Applications in Biomedicine (pp. 1–4). IEEE. <http://doi.org/10.1109/ITAB.2010.5687646>
 26. Peranonti, E. G., **Klados, M. A.**, Papadelis, C. L., Kontotasiou, D. G., Kourtidou-Papadeli, C., & Bamidis, P. D. (2010). **Can the EEG Indicate the FiO2 Flow of a Mechanical Ventilator in ICU Patients with Respiratory Failure?** In XII Mediterranean Conference on Medical and Biological

- Engineering and Computing 2010 (pp. 827–830). Springer. http://doi.org/10.1007/978-3-642-13039-7_209
27. Lithari, C., Frantzidis, C. A. A., Papadelis, C., **Klados, M. A.**, Pappas, C., & Bamidis, P. D. D. (2010). **Small-world properties of brain Functional Connectivity Networks are affected by emotional stimuli.** In Proceedings of the 10th IEEE International Conference on Information Technology and Applications in Biomedicine (pp. 1–4). IEEE. <http://doi.org/10.1109/ITAB.2010.5687815>
 28. Bratsas, C., Frantzidis, C. A., **Klados, M.A.**, Papadelis, C., Pappas, C., & Bamidis, P. D. (2009). **Towards a semantic framework for an integrative description of neuroscience patterns and studies: a case for emotion-related data.** Studies in Health Technology and Informatics, 150, 322–6. <http://doi.org/10.3233/978-1-60750-044-5-322>
 29. **Klados, M. A.**, Papadelis, C., Lithari, C. D., & Bamidis, P. D. (2009). **The Removal Of Ocular Artifacts From EEG Signals: A Comparison of Performances For Different Methods.** In 4th European Conference of the International Federation for Medical and Biological Engineering (pp. 1259–1263). http://doi.org/10.1007/978-3-540-89208-3_300
 30. Bamidis, P. D., Frantzidis, C. A., Konstantinidis, E. I., Luneski, A., Lithari, C., **Klados, M. A.**, ... Pappas, C. (2009). **An Integrated Approach to Emotion Recognition for Advanced Emotional Intelligence.** In 13th International Conference of HCI International (pp. 565–574). http://doi.org/10.1007/978-3-642-02580-8_62
 31. **Klados, M. A.**, Papadelis, C. L., & Bamidis, P. D. (2009). **REG-ICA: A new hybrid method for EOG Artifact Rejection.** In 2009 9th International Conference on Information Technology and Applications in Biomedicine (pp. 1–4). IEEE. <http://doi.org/10.1109/ITAB.2009.5394295>

(Co-) Supervision of Students

PhD Students

- | | |
|--------|---|
| 2019 – | Matthew Fenech. Automatic Detection of High Frequency Oscillations.
Aston University, UK |
| 2018 – | Fabio Barolo. Modeling of EMG artifacts in the scalp using Finite Element Modelling.
Aston University, UK |

MSc/Meng Students

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|-------------|--|
| 2021 – 2022 | 2 MSc Students, MSc in Clinical Neuropsychology, University of York Europe Campus, CITY College, Thessaloniki, Greece. |
| 2020 – 2021 | 5 MSc Students, MSc in Counselling Psychology/ MSc in Clinical Neuropsychology, The International Faculty of the University of Sheffield, CITY College, Thessaloniki, Greece. |
| 2018 – 2019 | Vasiliki-Despoina Kostaridou. Understanding the role of personality in emodiversity and their neurophysiological correlates: an EEG study.
MSc in Cognitive Neuroscience, Aston University, UK |

2015 – 2017	Vasilios Pezoulas. The connectivity of cerebellum and it's relation to human intelligence. MSc in Signal Processing, Technical University of Crete, Greece
2015 – 2016	Agni Pourika. The inter-idependence index as a metric in brain functional connectivity. MSc in Complex Systems and Networks, Aristotle University of Thessaloniki, Greece
2015 – 2016	Maria Grigoriadou. Brain networks during mathematical cognition. MSc in Complex Systems and Networks, Aristotle University of Thessaloniki, Greece

BSc/BEng Students

2021 – 2022	4 BSc Students, BSc in Psychology, The International Faculty of the University of Sheffield, CITY College, Thessaloniki, Greece.
2020 – 2021	6 BSc Students, BSc in Psychology, The International Faculty of the University of Sheffield,
2017 – 2018	Natasha Rupansinghe. Wireless and wearable GSR device for monitoring the ANS. BEng in Biomedical Engineering, Aston University, UK
2017 – 2018	Cory Thomas. Wireless and wearable EEG system for the control of a wheelchair BEng in Biomedical Engineering, Aston University, UK Aston University, UK
2017 – 2018	Panagiota Konstantinidi. Recognising human personality from EEG signals, BEng in Electronic and Electrical Engineering, Technical University of Crete, Greece

Erasmus Students

2019	Georgios Klados. Prediction of imposed deficits by neurosurgery. BEng in Electronic and Electrical Engineering, Technical University of Crete, Greece
2018	Panagiota Konstantinidi. Recognising human personality from EEG signals. BEng in Electronic and Electrical Engineering, Technical University of Crete, Greece

Invited Talks

2021	Invited online interview from Neurogenesis. Applied Neuroscience Club in Greece.
2021	Invited Lecture in Personality Neuroscience. University of Liege, Liege, Belgium

2019	Invited Keynote speaker at « Out of the Lab employment of Neurophysiological measures: clinical applications and beyond » Workshop. University of Sapienza, Rome, Italy
2018	Invited Lecture in Biomedical Engineering . University of Cagliari, Cagliari, Italy
2018	Oral Presentation in IEEE EMBS International Conference on Biomedical & Health Informatics (BHI) . Chicago, USA
2017	Two Oral Presentations in 30th IEEE International Symposium on Computer-Based Medical Systems (CBMS) . Thessaloniki, Greece
2016	Three Oral Presentations in Society of Applied Neuroscience Meeting 2016 . Corfu, Greece
2013	Oral Presentation in XIII Mediterranean Conference on Medical and Biological Engineering and Computing . Seville, Spain
2013	Oral Presentation in 26th IEEE International Symposium on Computer-Based Medical Systems (CBMS) . Porto, Portugal.
2013	Oral Presentation in 12th IEEE International Conference on Bioinformatics & Bioengineering (BIBE) . Larnaca, Cyprus.
2010	Oral Presentation in XII Mediterranean Conference on Medical and Biological Engineering and Computing . Chalkidiki, Greece.
2009	Oral Presentation in 9th IEEE International Conference on Information Technology and Applications in Biomedicine . Larnaca, Cyprus.
2008	Oral Presentation in 4th European Conference of the International Federation for Medical and Biological Engineering . Antwerp, Belgium.

Invited Guest Editor in Special Issues

2020	Deep Learning in Biomedical Informatics and Healthcare in <i>Sensors</i>
2020	Real-World Applications of Neurophysiological Monitoring for Passive Brain-Computer Interfaces in <i>Frontiers in Human neuroscience</i>