Curriculum Vitae of **Dr. N. A. Laskaris**

Assistant Professor, **Head of NeuroInformatics.GRoup** - http://neuroinformatics.gr

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❶ **N. Laskaris** received both the M.Sc. degree in Medical Physics ('95) and the Ph.D. degree in Computational Intelligence techniques for Brain Signal Processing ('98) from Patras University, Greece.

❷ He joined, in 1999, the **Human Brain Dynamics** lab., of **Cognitive Brain Science** group, in Brain Science Institute, **BSI-RIKEN**, Japan and worked for 4 years, mostly, in the field of *NeuroInformatics*.

His postdoctoral research work at RIKEN was focused, mainly, on the development of Single-Trial Analysis methodologies for elucidating the real-time information processing within the human brain. Additionally, he participated in many studies revealing the pattern formation properties of the intact brain and offering a better insight into its complex behavior.

❸ He received a postdoctoral research grant from the Greek-GSRT (program ENTER-2001) with the research subject being the development of neuromorphic signal processing methodologies for the efficient handling of large image databases. He carried out this project at ELLAB (Patras University) during the academic year 2003-2004.

❹ In 2004 he joined the **AIIA-lab (Artificial Intelligence and Information Analysis Laboratory**, School of Informatics, Faculty of Science, Aristotle University of Thessaloniki), as a postdoctoral researcher participating in the ''BIOPATTERN'' Network of Excellence.

❺ He has been a faculty member of Informatics Dept. in AUTH, since 2005. Currently he is an Assistant Professor. The list of graduate and postgraduate courses taught by N.L. includes Digital Signal Processing, Statistics, Biomedical Signal Processing, Advanced Signal Processing, Neural Networks and Computational Intelligence.

He has supervised 18 graduate theses and 26 master-theses : https://qa.auth.gr/el/cv/laskaris .

He has participated in the PhD advisory committee of 4 completed studies.

Currently he is supervising 2 PhD theses.

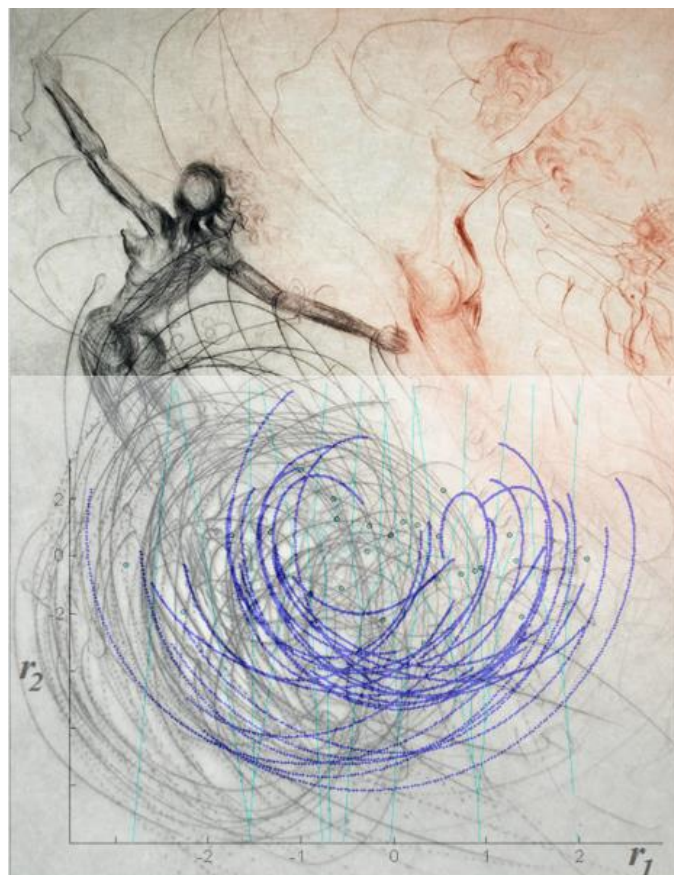❻ In 2013, he founded the ***NeuroInformatics.GRoup***, http://neuroinformatics.gr

an interdiscipline research group that aims at revolutionizing the way that the analysis of neural and neuroimaging data is performed.

❼ His current research interests include signal analysis, computational intelligence, soft computing, data mining, nonlinear dynamics and their applications in neuroscience and biomedicine. He is a co-author of **more than 100 scientific papers (65 in peer-reviewed journals)**. A complete list can be found at his ResearchGate profile : https://www.researchgate.net/profile/Nikos_Laskaris

and Google scholar profile : https://scholar.google.gr/citations?user=uG8cgA4AAAAJ&hl=en

❽ He has served as scientific reviewer to many journals including *Brain Topography*, *Clinical Neurophysiology*, *IEEE Trans. BME*, *IEEE Trans. PAMI*, *NeuroImage*, *NeuroReport*.

❾ He participated in funded research, including the ***FP6-IST BIOPATTERN*** network of excellence, ***H2020 MAMEM*** project, PENED-2003 and PYTHAGORAS-II national programs, while he was the coordinator in a scientific aggrement between AUTH and the Swiss ARTORG center for Biomedical Research.

Currently he participates in an Operational Programme Competitiveness, Entrepreneurship and Innovation, Greek-Israel 2014-2020, project on TMS and high-density EEG as a means of a novel approach to diagnosis and treatment in Epilepsy.

"BrainWaves and human behavior" - A Metaphorical Depiction :
single-trial brain activations drawn as 2D trajectories based on the technique of "*Semantic Geodesic Maps*"