

Bertrand Thirion

Bertrand Thirion is the principal investigator of the Parietal team (INRIA Saclay-Île-de-France) situated within the Neurospin research center (CEA, DSV, I2BM) at Saclay, France. After graduating from Ecole Polytechnique (1998), he got specialized in applied mathematics, with applications to computer vision. He did his PhD with the Odyssée team (Sophia-Antipolis, France) on the statistical analysis of functional brain images, under the direction of Olivier Faugeras (2000-2003). His post doc at SHFJ, Orsay (2003-2006) made him an active contributor of image analysis methods for between-subject comparison; since then he has been involved in neuroimaging platforms (SHFJ, then Neurospin). B. Thirion has been part of INRIA Saclay since 2006. His main research interests are related to the use of machine learning and statistical analysis techniques for neuroimaging, e.g. the modeling of between brain variability in group studies, the mathematical study of functional connectivity and brain activity decoding; he addresses various applications such as the study of vision through neuroimaging, the classification of brain images for diagnosis or brain mapping and the study of correlations between neuroimaging and genetics information. He has co-authored about 70 papers in neuroimaging, medical image analysis and machine learning journals or conferences. He is part of the scientific board of the French neuroscience institute.