F Lotte, F Lamarche, B Arnaldi, and A Lécuyer (2007). Studying the Use of Fuzzy Inference Systems for Motor Imagery Classification. IEEE Transactions on Neural System and Rehabilitation Engineering 15(2):322-324.

Abstract: This paper studies the use of fuzzy inference systems (FIS) for motor imagery classification in electroencephalography (EEG)-based brain-computer interfaces (BCI). The results of the four studies achieved are promising as, on the analysed data, the used FIS was efficient, interpretable, showed good capabilities of rejecting outliers and offered the possibility of using a priori knowledge.