I. Research Overview and Outcome

The data used in this study was obtained sequentially from a significant sample of 8 patients who underwent two-stage epilepsy surgery with subdural recordings. The age of the subjects varied from 3 to 17 years. The number and configuration of the subdural electrodes differed between subjects, and was determined by clinical judgment at the time of implantation. Grid, strip, and depth electrodes were used, with a total number of contacts varying between 20 and 88. The amount of data available for analysis was influenced by its recording duration, and by the degree to which the interictal EEG was "pruned" prior to storage in the permanent medical record. The iEEG data was recorded at Miami’s Children Hospital (MCH) using XLTEK Neuroworks Ver.3.0.5, equipment manufactured by Excel Tech Ltd. Ontario, Canada. The data was collected at 500 Hz sampling frequency and filtered to remove the DC component. All data sets for this particular study were iEEG segments of 20 minutes approximately (200 Megabytes). Three algorithms were created.

II. International Experience

Pire allowed me to learn about other cultures and create links with people in other parts of the world. Professionally I am now a better researcher, with experience in parallel computing. I know now that I can adapt to any research and work environment.

III. Acknowledgement

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