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System Description:

The group GIAPSI participating in HASR1 based its work in the "advisor" system model shown in Fig. 1 to establish the judgments on the tests presented to the competition. This an "open box" approach by which estimations of vocal tract (formant charts) and glottal source (time and frequency) plots of the glottal activity are presented to the expert by the use of visual Graphical User Interfaces. The estimations of the Universal Background Model for a generalized set of speakers are used to provide Likelihood Ratios on which the expert must decide if the model and test records come from the same person under a conditioned probability framework (Prosecutor's vs Defender's Hypotheses). The system is described in the figure below.