

Level1/Level 2:

- July 1, 2002: Completion of generic processing techniques (statistical histogram analysers, lagged cross-correlogram analysers, non-stationarity and outlier detectors: KCL/UM/NTUA).
- July 1, 2002: Test of first prototype generator (ICSTM)
- September 1, 2002: Decision on radio module architecture (ICSTM)
- July 1, 2003: Completion of generator electronics design (ICSTM)
- July 1, 2003: Completion of radio design (ICSTM)

Level 3:

- July 1, 2002: Completion and validation of the CAM/SPM system (NTUA)
- September 1, 2002: Completion of generic form of neural state estimator (using supervised learning (Back-error-propagation or BEP) from hidden layer of ANN hourglass architecture or PAC-compression: KCL, UM).
- November 1, 2002: Attention feedback mechanism (inverse model controller based on both level 2 outlier inputs and level 3 state outputs, to single out one or a number of outputs of sensors to employ more computational resources, using hard-wired attention modulation: sampling and bandwidth, KCL).
- November 1, 2002: Generation of a knowledge base for physiological signals, including raw data and rules and insertion of it in the neurofuzzy system in terms of adaptable rules (ALTEC)
- November 1, 2002: Adaptation of the CAM/SPM system (NTUA).
- November 1, 2002: Rule-based decision systems for unimodal level 3 output (UM/NTUA).
- December 1, 2002: Monitor for sub-symbolic decision and control of the IMC, using reinforcement learning (penalty as inputs from errors of state estimator and historic estimator and from level 2 outliers) (KCL). Associated development of reinforcement system (Adaptive critic, ACE, as predictor of reward).
- December 1, 2002: Fusion of goal state given by the historic mean state and/or user's database. Associated development of fusion of symbolic and sub-symbolic states by 'fuzzification' of the former (KCL).
- December 1, 2003: Evaluation of the neurofuzzy level 3 part with respect to validation of the incoming physiological signals (ALTEC).
- December 31, 2003: Final architecture (All).

Level 4:

- January 31, 2003: Similar production of state estimator, inverse model controller and rule-based decision system for multi-modal fusion from level 3 artefacts (KCL/UM/NTUA).
- January 31, 2003: Fusion of sub-symbolic and symbolic state representations in the ACE system for unified reinforcement (KCL).

- January 31, 2003: Completion of user databases for developed training for a single user (ALTEC/KCL).
- May 1, 2003: Training completed on single user data for level 3 (KCL/UM/NTUA/ALTEC).
- June 1, 2003: Training completed on single user data for level 4 (KCL/UM/NTUA).
- May 1, 2003: Completion of user databases for developed training for multiple users (ALTEC/KCL).
- September 1, 2003: Training completed for levels 3 & 4 for multiple user case (KCL/UM/NTUA).
- December 31, 2003: Final architecture (All).

