IM2 – AffSci
SIG 1 – 32 people

Emergent dynamics in emotional process

Summary of the different points discussed (1)

-Relationships between conceptual and theoretical levels and features extraction (temporal dynamics) of multimodal information (basic vs mulcomponential point of view);

-Interest of the dynamic aspects of emotional processes rather than the static view; behavioural predictions based on cumulative dynamic information (interactions);

Summary of the different points discussed (2)

-Integration and fusion of different kind of signals with different time resolution; investigation of synchronizations of these different signals (pattern theoretically predicted for example, even for subtle facial movements);

-Use of databases and theoretical predictions in e.g. facial expression to extract the dynamic of features and re-synthesized and manipulate systematically some features - judgment studies;

Concrete possibilities

-Collaboration in multimodal emotional expressions, detection of emergent patterns:
IM2 -> algorithms for features extraction
AffSci -> more sophisticated psychological models of emotional processes (not basic emotions …)

-Collaboration in integration, fusion and synchronization of different channels/information
IM2 -> mathematical models of synchronization
AffSci -> knowledge of mechanisms for the different channels in the context of emotional processes (e.g. cognitive, peripheral, and behavioural levels)