

## **TEAP 2004 in Gießen**

### **Vertraute Gesichter als flexible und fluide Repräsentationen**

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According to Bruce (1994), the central problem in object identification in general and face identification in particular is how we build stable representations from entities that vary, both rigidly and non-rigidly, over time, under different viewing conditions and with altering appearances. Therefore it seems challenging to analyze these mechanisms and their effectiveness of integrating new visual information into the prevailing representation. Recent experiments demonstrate that this mechanism is more flexible than is commonly supposed. Even highly familiar facial representations undergo permanent adaptations and optimizations to integrate new incoming facial information. Thus, only seconds of interfering visual information can be sufficient to change the representation toward this information.