



**LA TROBE**  
**UNIVERSITY**

*Institute for Advanced Study*

## SEMINAR

### “Neurophysiology of Cognitive Experience”

Mental processes such as imagery, problem solving, reasoning, and meditation are examples of cognitive activity. These mental activities are experienced as goal-directed and immediate. As evident from neuroimaging studies they involve modality-specific representations related to the cerebral processing domains and supraordinate representations in the frontal midline structures related to subjective perspective taking. Event-related neuroimaging and neurophysiological studies have revealed that the valuative processes start as early as 100 ms after stimulation onset and do not simply reflect focussing of attention. It is suggested that cognitive experience is closely linked to subjective valuation of information mediated by highly tuned spatio-temporal patterns of brain activity.

Guest Speaker:

**Professor Rudiger Seitz**

*Department of Neurology at the Heinrich-Heine-University Dusseldorf, Germany. Research interests include diagnosis and treatment of stroke, plasticity of the human brain in learning and recovery from brain damage, systems neurophysiology of human brain function. Prof Seitz has authored more than 200 papers and book chapters. IAS VIP Fellow (2008) and IAS Distinguished Fellow (2206/7), La Trobe University, Bundoora.*

**4.00 p.m., Wednesday 25<sup>th</sup> June 2008**

**Seminar Hall**

**Michael J Osborne Centre - Institute for Advanced Study**

(Melways Ref: Map 573, f1)

Seminar Convenor:

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