Human Sciences Seminar #11 Osaka University Graduate School of Human Sciences Center for Collaborative Future Creation

NEURONAL MECHANISMS OF PERFORMANCE MONITORING AND ADAPTIVE CONTROL

DATE: JULY 27 (THU), 2017

TIME: 15:00~16:30

LOCATION: OSAKA UNIVERSITY

GRADUATE SCHOOL OF HUMAN SCIENCES

ROOM 31 (MAIN BUILDING)



SPEAKER: PROF. DR. MARKUS ULLSPERGER

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Monitoring for erroneous and unexpected action outcomes is essential to determine when adaptation is needed to optimize goal achievement. First I will give an overview of EEG and fMRI correlates of performance monitoring. Building on current theories relating performance monitoring to reinforcement learning mechanisms, I will discuss which signals are represented in the performance monitoring system and how they are weighted to determine the need for adaptation. The second part of the presentation will focus on neuronal mechanisms of post-error adjustments, such as post-error slowing and post-error attentional regulation.

Organized by: Osaka University Graduate School of Human Sciences Center for Collaborative Future Creation Contact: mirai-kyoso@hus.osaka-u.ac.jp