

# SUMMER SCHOOL

## NEURONAL DYNAMICS FOR COGNITIVE ROBOTICS

### SEPTEMBER 9–14, 2013

Neuronal dynamics provide a powerful theoretical language for the design and modelling of embodied and situated cognitive systems.

The school is aimed at advanced undergraduate or graduate students, postdocs and faculty members in embodied cognition, cognitive science and robotics. A limited number of scholarships will be available from sponsoring by the EU COG III network.

#### Scope

This summer school gives a hands-on introduction to neuronal dynamics ideas and will enable participants to become productive within this framework.

Participants will develop and implement small experimental projects on their own to establish a link to their research interest.

#### Topics

Neural attractor dynamics, Dynamic Field Theory, neuronal representations, navigation behavior, artificial perception, learning mechanisms, implementation issues

To apply, please send a CV and a short cover letter with background and motivation to [gregor.schoener@rub.de](mailto:gregor.schoener@rub.de). Selection of participants will begin by June 3, 2013.

