

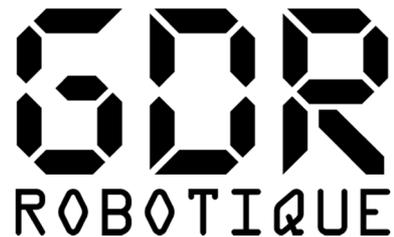
"Robotics and Neuroscience" Day 1
Theme: Learning, conditioning and goal-directed behaviors
29 november 2012, ISIR, Paris



Centre National de la
Recherche Scientifique
<http://www.cnrs.fr>

Neuro | **Mem**

GDR Neuroscience of Memory
<http://www.neuromem.u-psud.fr/index.php>



GDR Robotics
<http://www.gdr-robotique.org/gt.php?id=9>

With the support of: GDR Robotics GT8 Workgroup (CNRS), GDR Neuroscience of Memory (CNRS)

Form: 1 day colloquium; 8 invited speakers + poster session (expected maximum audience: 50 pers).

Invited speakers:

Etienne Coutureau (experimental neurobiologist; INCIA CNRS ; Bordeaux)
Valérie Doyère (experimental neurobiologist ; CNPS CNRS ; Orsay)
Alain Dutech (modeller/roboticist; INRIA ; Nancy)
Guillaume Ferreira (experimental neurobiologist; INRA ; Bordeaux)
Hervé Frezza-Buet (modeller/roboticist; Supélec ; Nancy)
Mehdi Keramati (modeller/roboticist; ENS Ulm ; Paris)
Florian Lesaint (modeller/roboticist; ISIR UPMC ; Paris)
Mikael Molet (experimental psychologist; University of Lille ; Lille)

Registration: free but necessary (limited number of places). Send an e-mail to mehdi.khamassi@isir.upmc.fr, specifying your name and affiliation.

Poster submission: for those who would like to present a poster during this Journée, please send an e-mail **before November 15th** to mehdi.khamassi@isir.upmc.fr, with your title, abstract, keywords, and list of authors and institutions.

Dear colleagues,

We are organizing this autumn a scientific day common to the Robotics GDR (<http://www.gdr-robotique.org/gt.php?id=9>) and the Neuroscience of Memory GDR (<http://www.neuromem.u-psud.fr/index.php>).

The aim of this day is to gather neurobiologists and roboticists/modellers to exchange data, models and ideas on a particular theme. The dual goal is to favor a cross-GDR community and to favor new collaborations between experimentalists and theorists. The day will contain 8 full talks (4 by neurobiologists/psychologists and 4 by roboticists/modellers), a round table discussion and a poster session.

If you want to attend this Journée, please register by sending an e-mail to mehdi.khamassi@isir.upmc.fr, specifying your name and affiliation.

Provisional program:

Thursday 29 November 2012

Theme: Learning, conditioning and goal-directed behaviors

9:00	<i>Welcoming word</i>
9:15	Etienne Coutureau (bio ; INCIA CNRS ; Bordeaux) <i>Dopamine and goal-directed behavior: role and maturation of the mesocortical pathway in Rats.</i>
10:00	Alain Dutech (model ; INRIA ; Nancy) <i>The markovian side of rats.</i>
10:45	<i>Coffee break</i>
11:00	Mikael Molet (psycho ; University of Lille ; Lille) <i>What is the integration of temporal maps?</i>
11:45	Mehdi Keramati (model ; ENS Ulm ; Paris) <i>To collect reward, or to defend homeostasis? Integrated hypothalamo-cortico-striatal network does both.</i>
12:30	<i>Lunch time</i>
14:00	Guillaume Ferreira (bio ; INRA ; Bordeaux) <i>Effect of diet-induced obesity on goal-directed behaviors and frontostriatal dopaminergic system.</i>
14:45	Florian Lesaint (model ; ISIR UPMC ; Paris) <i>Modelling individual differences observed in Pavlovian autoshaping in rats using a dual-systems view.</i>
15:30	<i>Coffee break</i>
15:45	Valérie Doyère (bio ; CNPS CNRS ; Orsay) <i>The amygdala in a nutshell: Selective memory for shock anticipation.</i>
16:30	Hervé Frezza-Buet & Jérémy Fix (model ; Supélec ; Nancy) <i>A robotic experiment on learning an optimal policy without a critic : insights on the functioning of the basal ganglia ?</i>
17:15	<i>Discussion and closing words</i>

Looking forward to these days of exchanges!

Best regards.

Mehdi Khamassi

Access:

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