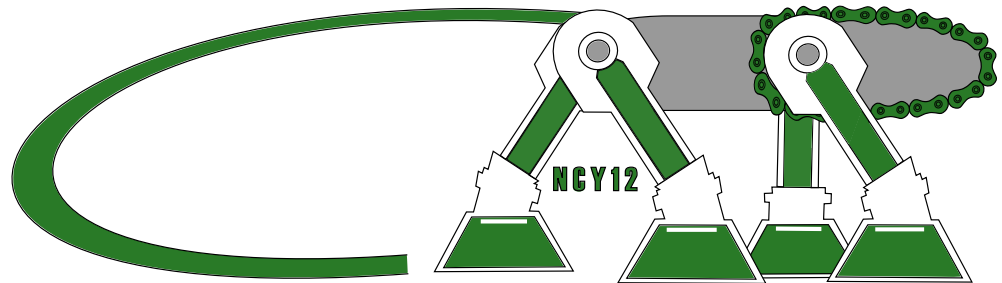




10-11 May 2012, Nancy

*7th National Conference on*  
**Control Architectures  
of Robots**



# Programme

**Organisation:**



# THURSDAY, May 10<sup>th</sup>

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10:00-10:30 Registration, *Welcome coffee*

**10:30-11:30 Session 1** : Multi-robot coordination

- *Cooperative On-line Object Detection using Multi-Robot Formation*
- *On Fleet Size Optimization for Multi-Robot Frontier-Based Exploration*

**11:30-12:30 Session 2** : Architecture design

- *Knowledge Base for Planning, Execution and Plan Repair*
- *A resource-agents robot control architecture: design and formalization*

12:30 Lunch

**14:00-14:45 Invited speaker** : **H. BRUYNINCKX**

14:45-15:30 Demo 1 : Visit of the Intelligent Appartment

15:30-16:00 Coffee

**16:00-17:00 Session 3** : Real-time and robust architectures

- *Upgrading the ContrACT Scheduler with Useful Mechanisms for Dependability Real-Time System*
- *Fault Tolerance in Control Architectures for Mobile Robots: Fantasy or Reality?*

**19:00 Visit of old town: Starting point on Stanislas Square, in front of the Tourist Office.**

**20:00 Gala Dinner "La Table du Bon Roi Stanislas"** 7 Rue Gustave Simon, Nancy.

*(See map on page 3 for details)*

# FRIDAY, May 11<sup>th</sup>

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**9:00-10:00 Session 4** : Assistant robots

- *From the decoding of cortical activities to the control of a JACO robotic arm: a whole processing chain*
- *Experimental Setup for Human Aware Navigation*

10:00-10:30 Coffee

**10:30-11:30 Session 5** : Integration – Experimental Feedback

- *The kidnapping Problem of Mobile Robots: A Set Membership Approach*
- *Challenge Jeunes Proteus*

**11:30 Invited speaker** : **D. MARTINEZ**

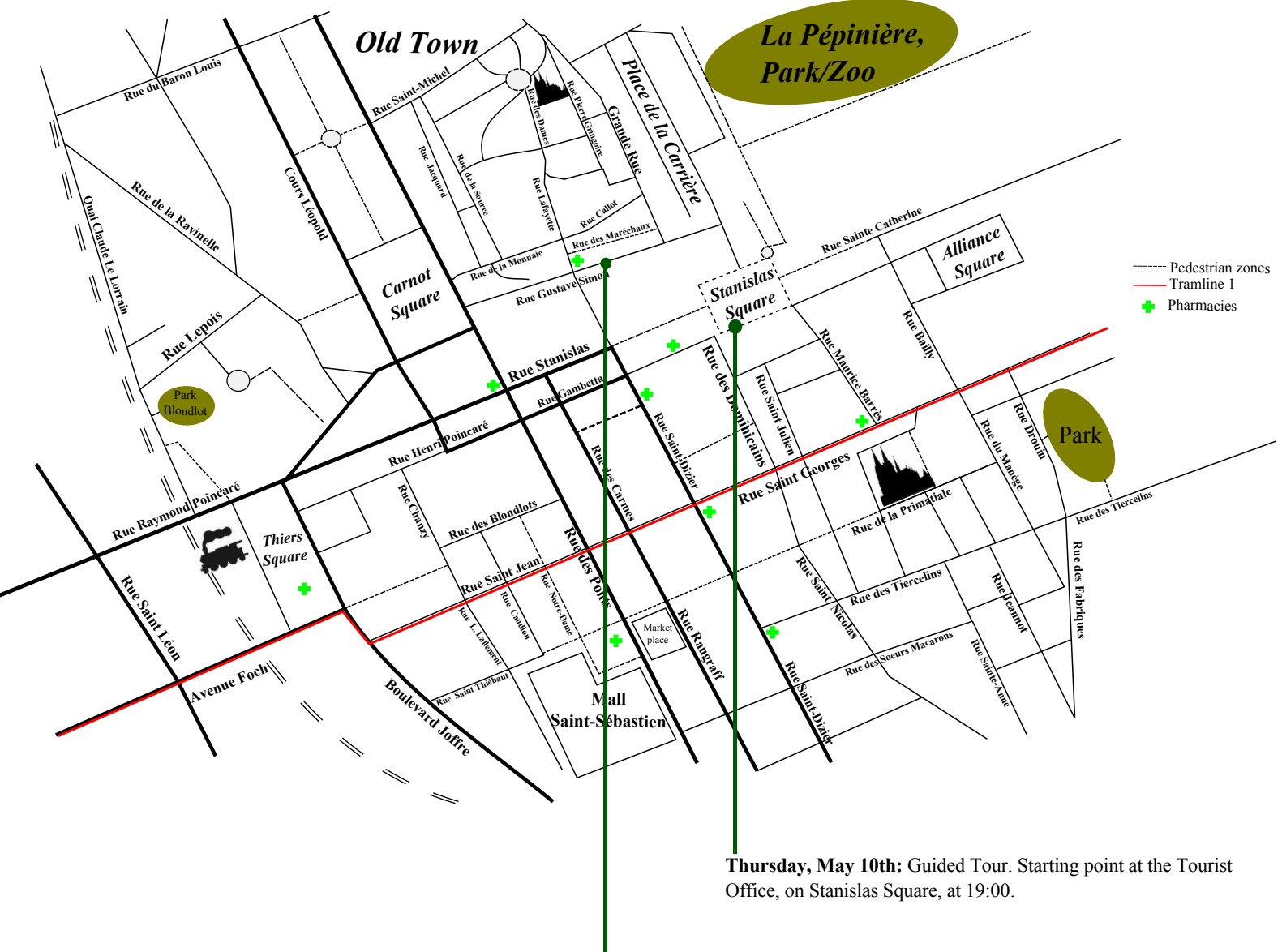
12:00 Demo 2 : bio-inspired robots

12:30 Lunch

**14:00-14:30 Réunion GT CAR**

**14:30-15:00 Table ronde – bilan**

# NANCY, City Centre



**Thursday, May 10th:** Guided Tour. Starting point at the Tourist Office, on Stanislas Square, at 19:00.

**Thursday, May 10th:** CAR 2012 Gala Dinner. "La Table du Bon Roi Stanislas, 7 rue Gustave Simon, Nancy, at 20:00.

## INFORMATION

Participants are required to wear their conference badge in the Inria Building.

Presentations will take place in the ROOM C005 on the groundfloor.

Coffee breaks will take place in the Hall by the ROOM C005.

The *Lunch* ticket is to be given to the cashier in the LORIA restaurant.

Lunch is composed of a piece of bread, a first course, a main course, yoghurt or cheese, a dessert and a drink.

The *Hot Drink* ticket is to be given at the cafeteria of the LORIA for any hot drink.

WIFI is available in the whole building (Net Inria-guest): Connexion is made available using the login and password at the back of the badge.

A computer room is at the participants' disposal (C003, on the ground floor).

LOGIN: colloque

PASSWORD: colloque

DOMAIN: Local

The Eduroam network is available in the INRIA building.

<http://www.eduroam.fr/en/index.html>

In an effort of Lasting Development, the CAR 2012 Organizing Committee encourages the conference participants to dispose of their badge in the tray next to the AMPHI C before leaving.



Attendance certificates are available on request at the reception desk,

or at: [colloques-ncy@inria.fr](mailto:colloques-ncy@inria.fr)

They will be handed out the last day of the conference. They may as well be sent as .pdf.

### CAR 2012 SOCIAL EVENTS:

---**Thursday, 10<sup>th</sup> May:**

---**Guided tour (19:00 to 20:00):** “*Nancy, from the Middle Ages to Renaissance*”. The Tourist Office, meeting point for the guided tour, is located on Stanislas Square.

--**CAR 2012 Gala Dinner (20 :00)** at “*La Table du Bon Roi Stanislas*”, 7 rue Gustave Simon, Nancy.