

**VECoS 2010**  
**4th International Workshop on**  
**Verification and Evaluation of Computer and Communication Systems**  
Paris, France  
July 1-2, 2010  
<http://vecos-world.org>

VECoS 2010 is co-organized by [CNAM](#) and [ENSTA](#) with cooperation of [MeFoSyLoMa](#) Group, and sponsored by [Formal Methods Europe](#).

**Workshop site** : CNAM, 292 Rue Saint-Martin, Paris 3<sup>ème</sup> - Accès 12 Amphi Abbé Grégoire.

## Workshop Program

### THURSDAY, JULY 1

8:00-9:30: Registration Desk

9:30AM: Opening Session *Chair : Kamel Barkaoui*

A Brief Welcome and information about the workshop format and sessions

10:00-11:00: Keynote Session *Chair: Bruno Monsuez*

Simulation + Uncertainty = Model-Checking  
*Laurent Fribourg , LSV ENS Cachan*

11:00-11:30: **Break**

11:30-13:00 : Session 1 *Chair: Denis Poitrenaud*

Steady-state Property Verification: a Comparison Study  
*Diana Elrabih, Gael Gorgo, Nihal Pekergin and Jean-Marc Vincent*  
SBMC : Symmetric Bounded Model Checking  
*Brahim Nasraoui, Syrine Ayadi and Riadh Robbana*  
A Tile Logic based Semantics for Mobile Software Architectures  
*Chafia Bouanaka, Faïza Belala and Kamel Barkaoui*

13:00-14:30: **Lunch**

14:30-15:30 - Keynote Session *Chair: Tayssir Touili*

Deadlock Avoidance, Non-Linearity and Games  
*Raymond Devillers, Université Libre de Bruxelles*

15:30-16:00: **Break**

16:00-17:30 – Session 2 *Chair : Patrice Moreaux*

Integrating PFairness within a Model based Scheduling Tool  
*Annie Geniet, Gaëlle Skapin-Largeteau and Abdoulaye Ouattara*  
Formalization of Cyclic Scheduling Problems with Assembly Tasks and Work-In-Process Minimization  
*Mohamed Amin Ben Amar, Hervé Camus and Ouajdi Korbaa*  
A Fair and Efficient Scheduling Scheme for Real and Non-Real-Time Traffic Flows in WiMAX  
*Sahar Ghazal, Lynda Mokdad and Jalel Ben Othman*

18:00 : **Visit of the CNAM museum**

20:30 - open: **Workshop Dinner**

## **FRIDAY, JULY 2**

9:00-10:00: Registration Desk

10:00-11:00: Keynote Session *Chair: Kamel Barkaoui*

Building Closed-loop Models for Discrete Controller Design

*Hans-Michael Hanisch, Chair for Automation Technology Martin Luther University of Halle-Wittenberg*

11:00-11:30: **Break**

11:30-13:30 Session 3 *Chair: Guy Juano*

A Decentralized Supervisory Control Approach for Distributed Adaptive Systems

*Mohamed-Amine Belhaj Seboui, Nejib Ben Hadj-Alouane, Gwenal Delaval, Eric Rutten and Moez Yeddes*

Using Timed Coloured Petri nets and CPN-tool to Model and Verify TRBAC Security Policies

*Laïd Kahloul, Karim Djouani and Walid Tfaili*

AMLCC: Adaptive Multi-Layer Connected Chains Mechanism for Multicast Sender

Authentication of Media-streaming

*Hamdi Eltaief and Habib Youssef*

Formal Verification of Authentication-Type Properties of an Electronic Voting Protocol using mCRL2

*Hamid Reza Mahrooghi, Mohammad Hashem Haghghat and Rasool Jalili*

13:30-15:00: **Lunch**

15:00-16:30 : Closing discussion *Co-chairs: Kamel Barkaoui & Bruno Monsuez*

Towards an Euro-Mediterranean Center for Modeling, Verification and Simulation

16:30-17 :00: **Break**

All presentations have 30 minutes timeframe. 20 minutes will be

dedicating to the presentation and 10 minutes to question and discussion.

**Notes:**

Having some background slides ready is always helpful in case the discussion requires referring to some results, diagrams, or facts.

• **More information:** <http://vecos-world.org>