Curriculum Vitae

Alexandre SEURET
February 29th, 1980
Junior CNRS Researcher (CR1) in Saint André les Vergers (10), France
Office E041, Mac Group - LAAS
7 Avenue du Colonel Roche
31400 Toulouse
Tél : +33 6 81 19 01 87
http://www.laas.fr/~aseuret/

Education
2003 – 2006 Ph.D. in Automatic Control at LAGIS (CNRS) / “École Centrale de Lille” (France).
2002 – 2003 Master Degree in Automatic Control and Computer Sciences from USTL, Rank 1st.
2000 – 2003 Engineering studies at École Centrale de Lille (French “Grande École”), and MST University of Lille in Automatic Control and Industrial Computer Science

Professional Experience
From 2012 CNRS Junior Researcher CNRS (CR1) at LAAS, Toulouse, France.
2008–2012 CNRS Junior Researcher CNRS (CR2) at GIPSA-Lab, Grenoble, France.
2006–2007 Post-doc Position at the University of Leicester, Leicester, UK.

Research Interests
Stability and stabilization of time-delay systems, sampled-data systems, networked control systems, linear matrix inequality, sum of squares, sliding mode control and observation, multi-agents systems, consensus algorithms

Awards
2007 Best French PhD Awards from the “GDR MACS” and the “EEA Club” (National award).
2006 Best Student Paper Award at the conference CIFA’06, Bordeaux, France.

Responsibilities
2007-2008 Leader of the ‘Workpackage’ WP4d of the Network of Excellence HYCON.
2008-2012 Leader of the ‘Workpackage’ WP1 Of the European project (EU STREP) FeedNetBack.
Since 2009 Co-leader of the French Working Group on Time-Delay Systems GT SAR of the French Association of Control GdR MACS.
2009 Member of the International Program Committee of “Conference on Control and Applications”, IEEE CCA’09, Saint-Petersburg, Russia.
“IFAC Workshop on Time-Delay Systems”, TDS’10, Prague, Czech Republic
“IFAC Workshop on Distributed Control and Estimation of Networked Systems”, NecSys’12, Santa Barbara, USA.
“1rst International Conference on Systems and Computer Science”, ICSCS-2012, Lille, France.
“IFAC Workshop on Distributed Control and Estimation of Networked Systems”, NecSys’12, Koblenz, Germany.
2012 Co-Chair of the International Program Committee of the Conference VALUETOOLS, 2012.
Since 2012 Member of IFAC Technical Committee on Networked Systems (TC 1.5.)

Miscellaneous
Languages
French : Mother tongue , English : Good, Spanish : beginner.
Scientific Events

General Chair of the *Int. Summer School of Automatic Control of Grenoble*

- **2010**
  "Distributed control and estimation of networked control systems" with S. Zampieri from Univ. Padova, Italy (50 participants).
  "Robust and LPV Control: application to vehicle dynamics", with O. Sename, GIPSA-Lab, Grenoble, France (60 participants).
  "Modellisation and Control of distributed parameter systems" with C. Prieur GIPSA-Lab, Grenoble, France (70 participants).
  "Stability Analysis of Time-Delay Systems and its Applications" with A. Seuret, LAAS, Grenoble, France (50 participants).
- **2010**
  Vice-General Chair of the 2nd IFAC Workshop on Distributed Estimation and Control of Networked Systems, Necsys’10, (100 participants).
- **2012**
  General Chair of the 1st Delsys Workshop on Observers and controllers for complex systems emphasizing low-order controller, Supélec Paris November, 2012. (80 participants).
- **2013**
  Publication Chair of the 11th IFAC Workshop on Time-Delay Systems, TDS’13.
- **2013**
  General Chair of the 2nd Delsys Workshop on Observers and controllers for complex systems emphasizing Networked Control Systems, Toulouse, Nov., 2013. (50 participants).

Research projects

- **2005–2006** ARCL Robocoop, Leader: W. Perruquetti;
- **2006–2007** EPSRC Platform Control of Complex Systems, Leader: S.K. Spurgeon;
- **2007–2011** ANR Connect, Leader C. Canudas de Wit;
- **2008–2011** EU STREP FeedNetBack, Leader: C. Canudas de Wit;
- **2011–2013** PEPS CNRS SeDif, Leader: A. Seuret;
- **2011–2015** European Group of Research on Time delay systems (Delsys), Leader: A. Seuret;
- **2013–2014** Carnot LAAS Mdrones Commande collaborative de drones: Leader: A. Seuret
- **2014–2015** Region Midi-Pyrénée UPTRIP Control a Tripod System: Leader: A. Seuret

Master and PhD. Supervision

PhD.
- **2008–2011** L. Briñón Arranz, Control of Multi-agent systems under communication constraints, INRIA.
- **2009–2012** G. Rodrigues de Campos, Cooperative controlled systèmes under wireless communication, MENRT.
- **2014–2017** F. Niel, Distributed control and estimation: application to load carrying control.

Masters
- **2009** F. Stevenin, Matlab Simulator for multi-agent systems, M1, UJF.
- **2011** N. Mokrani, Asynchronous Control of complexe systems, M2R, INP.
- **2011** E. Davit, Formation Control of quadrirotors, M2 ESISAR.
- **2012** A. Mannisi, Control of multi-agent systems, M2 Univ. Rome.
Participation to committees for PhD and Assistant Professor Positions

**PhD.**

11/2012  
*P.R. Deshpande*, Performance Based Coordination Control of Multi-Agent Systems Subject to Time Delays, *Leicester Univ.*, Leicester, UK.

03/2013  

10/2013  

12/2014  

12/2014  

**APP**

2012  
Poste de Maître de Conférences n. 61MCF0202 (L2S, Gif-sur-Yvette, France)

2013  
Poste de Maître de Conférences n. 61MCF1496 (LAGIS, Lille, France)

Summary of the publications

- 18(1) publications in international (national) journals;
- 57(6) publications in international (national) conferences;
- 9 and chapters in collective books and editor of 1 collective book.
- 3 projects deliverables.
- 1 Patent
Publications

(1) Articles published in Journals (since 2012)

International Journals :


(2) Conference articles (since 2012) :

In international conferences :


In national conferences (French speaking):


(3) Books and Chapters in collective books (since 2012):


(4) Internal reports and deliverables:

4.1 D4d.5.3 - Final report on results on the industrial test case, HyCON.

4.2 D01.1 - Classification of networked control systems, FeedNetBack.

4.3 D04.03 - Design of robust variable rate controllers, FeedNetBack.