Andrés Alberto Ladino López

14 Rue Jacqueline Auriol, Lyon, France
+33 660 41 73 08
andres.ladino@vivaldi.net, andres.ladino@ieee.org
Skype: andres.ladino.86
Date of birth 05/09/1986 - (31) | Nationality Colombian|

Research Engineer, Traffic forecasting and networked controlled systems

EXPERIENCE

2018 – Present — Lyon, France

Postdoctoral Researcher: French Institute of Science and technology for transport, spatial planning and development of networks (IFSTTAR)

- *Research Project:* Methods for control of connected vehicles and platoon strategies in complex traffic networks. (C-The difference)

2014 - 2018 — Grenoble, France

Researcher – PhD Student: Centre Nationale de la Recherche Scientifique (CNRS) / (INRIA) – *PhD Thesis:* Robust estimation and forecasting in large scale traffic systems (http://gtl.inrialpes.fr)

- *Research Project:* Scalable Proactive Event-Driven Decision-making (SPEEDD) (http://speedd-project.eu/).
- *Research Internship:* UCLA IPAM Long Programs (October 2015) - Workshops: Foundations of Traffic Management & Traffic Estimation. http://goo.gl/XoNKZZ.

2 Conference Paper / 1 Journal paper

Sector: *Research*

2012-2014 — Bogota, Colombia

Instructor Professor. Pontificia Universidad Javeriana

- *Courses:* Dynamic systems, Control theory, Control laboratory
- Mentor for 6 bachelor thesis projects.
- *International Projects:* Communications Leader. A double degree in Europe South American Leadership and employability (ADDE SALEM).
- (http://www.addesalem.org) - Verified. 10/05/2017.

1 Conference Paper

2010-2012

Adjunct Professor. Pontificia Universidad Javeriana

- *Courses:* Dynamic systems, Control theory, Control laboratory.
- *Organizer:* (Technical & Logistics) Conference IEEE LARC – CCAC 2011.

Sector: *Education*

2008-2009 — Bogota, Colombia

Process Analyst. International Business Machines (IBM)

- Documentation of Business Process in IT Services.
- IT Manuals developed: Avianca (Airline), Belcorp (Cosmetics), Colseguros (Insurance).

2007-2008

Trainee: International Business Machines (IBM)

- Costs case analysis & budget project reviews.

Sector: *IT*

EDUCATION

2009-2012 — Bogota, Colombia

Master in Electronic Engineering. Pontificia Universidad Javeriana

- Thesis: Model predictive control for hybrid systems subject to variable time delays.
- Honourable Mention / Awards. 2nd Annual Meeting Industry Applications Society IEEE Las Vegas 2012.
- Courses taken. Linear Systems, Optimization Theory, Robust Control.

GPA: 4.5/5.0

2003-2008

Electronic Engineering. Pontificia Universidad Javeriana

- Thesis Project: Control level system for a non linear tank.
- Teaching assistance: Dynamic systems (1 year – 2006/2007)

GPA: 4.0/5.0

SKILLS

Language

1st: Spanish. (Mother tongue)
2nd: English - General classification C1 – Proficient User / IELTS – 2012
Courses. 12 level of English for young people (1999-2001)
3rd: French – Upper intermediate – Non certified.
Courses. 32 Hours CNRS / 16 Hours (CUEF- Grenoble) / 54 Hours (Italki)

Organizational Communication

2011 - Technical committee/ Organizational committee: IEEE / LARS/ CCAC: http://goo.gl/LyjFul
2014 - Communication committee leader - ADDE SALEM project http://goo.gl/QVF24J
2015 - Talk at Traffic Estimation Workshop IPAM / Los Angeles http://goo.gl/g43ykK
2017 - Talk at Department of Automatic Control KTH / Stockholm https://goo.gl/E4voXD

Tools

Advanced: MATLAB, R | Medium: C, C++, Eagle, Python, Git | Basic: Linux