

Curriculum Vitae

Personal information

Surname(s) / First name(s)	Rojas Siles, José Miguel
Telephone(s)	(+34) 68-048-0460
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Email(s)	jmrs84@gmail.com, josemiguel.rojas@upm.es
Nationality(-ies)	Bolivian
Date of birth	13 January 1984

Education and training

Dates	10/2009 –
Title of qualification awarded	Phd. in Complex Software Systems Development Technologies. Thesis in progress. Planned ending date: December '13
Institution	Technical University of Madrid, Spain
Dates	02/2008 –
Title of qualification awarded	Master in Computer Engineering and Telecommunications. Thesis in progress. Planned ending date: September '13
Institution	Autonomous University of Madrid, Spain
Dates	04/2005 – 12/2005
Title of qualification awarded	Postgraduate Diploma in Higher Education
Institution	Gabriel René Moreno Autonomous University, Santa Cruz, Bolivia
Dates	04/2005 – 12/2005
Title of qualification awarded	Postgraduate Diploma in Regional Leadership
Institution	Gabriel René Moreno Autonomous University, Santa Cruz, Bolivia
Dates	02/2001 – 12/2005
Title of qualification awarded	Computer Engineering
Institution	Gabriel René Moreno Autonomous University, Santa Cruz, Bolivia
Dates	1989 – 2000
Title of qualification awarded	High School Diploma
Institution	State-subsidized School "Fe y Alegría La Merced", Bolivia

Work experience

Dates	10/2009 –
Occupation or position held	Predoctoral Research Grant, awarded by the Spanish Ministry of Science and Education under the National Program for Training Human Resources
Name and address of employer	Department of Computer Science - Technical University of Madrid
Type of business or sector	Education
Dates	03/2009 – 08/2009
Occupation or position held	IT Trainee
Name and address of employer	IT Department - Autonomous University of Madrid, Spain
Type of business or sector	Education

Dates	03/2008 – 10/2008
Occupation or position held	Postgraduate Internship
Name and address of employer	SIPEC SL, through the Foundation of the Autonomous University of Madrid, Spain
Type of business or sector	Information and Communication
Dates	12/2007 – 03/2008
Occupation or position held	IT Trainee
Name and address of employer	IT Department - Autonomous University of Madrid, Spain
Type of business or sector	Education
Dates	06/2006 – 09/2007
Occupation or position held	.NET Developer
Name and address of employer	ABJ Consulting, Santa Cruz, Bolivia
Type of business or sector	Information and Communication
Dates	02/2006 – 12/2006
Occupation or position held	Mathematics Laboratory Assistant
Name and address of employer	Gabriel René Moreno Autonomous University, Santa Cruz, Bolivia
Type of business or sector	Education
Dates	02/2004 – 12/2005
Occupation or position held	Teaching Assistant (Principles of Informatics, Compilers)
Name and address of employer	Gabriel René Moreno Autonomous University, Santa Cruz, Bolivia
Type of business or sector	Education
Dates	02/2004 – 07/2004
Occupation or position held	Teaching Assistant (Computer Programming, Data Structures)
Name and address of employer	University of Aquino, Santa Cruz, Bolivia
Type of business or sector	Education

Publications

2013

José Miguel Rojas and Corina S. Păsăreanu.
Compositional Symbolic Execution through Program Specialization.
In *BYTECODE 2013*, 2013.
Peer-reviewed workshop (co-located with ETAPS) with no formal proceedings.

2012

José Miguel Rojas and Miguel Gómez-Zamalloa.
A Generic Framework for Guided Test Case Generation in CLP.
In *LOPSTR 2012*, LNCS. Springer, 2012.
To appear.

Elvira Albert, Bjarte M. Østvold, and José Miguel Rojas.
JMS2ABS: Automated extraction of abstract behavioural models from jms applications.
In *FMICS 2012*, volume 7437 of *LNCS*, pages 16–31. Springer, 2012.

2011

Elvira Albert, Miguel Gómez-Zamalloa, and José Miguel Rojas.
Resource-driven clp-based test case generation.
In *LOPSTR 2011 Revised Selected Papers*, volume 7225 of *LNCS*, pages 25–41.
Springer Berlin / Heidelberg, 2012.

Carmen Navarrete, Marina de la Cruz, Eloy Anguiano, Alfonso Ortega, and José Miguel Rojas.

Parallel simulation of neps on clusters.

In *WI-IAT 2011*, volume 3, pages 171–174, 2011.

2010

Elvira Albert, Miguel Gómez-Zamalloa, José Miguel Rojas, and Germán Puebla.

Compositional clp-based test data generation for imperative languages.

In *LOPSTR 2010*, volume 6564 of *LNCS*, pages 99–116. Springer Berlin / Heidelberg, 2011.

José Miguel Rojas, Marina de la Cruz Echeandía, and Alfonso Ortega de la Puente.

Towards the automatic programming of h systems: jhsys, a java h system simulator.

In *PAAMS 2010 (Special Sessions and Workshops)*, volume 71 of *Advances in Soft Computing*, pages 387–394. Springer, 2010.

2009

Emilio del Rosal, José Miguel Rojas, Rafael Núñez, Carlos Castañeda, and Alfonso Ortega de la Puente.

On the solutions of np-complete problems by means of jnep run on computers.

In *ICAART 2009*, pages 605–612. INSTICC Press, 2009.

Research stays

Institution

Host Researcher(s)

Dates

NASA Ames Research Center, Moffett Field, CA USA

Prof. Corina Păsăreanu

4 months, 09/2012 – 12/2012

Institution

Host Researcher(s)

Dates

KTH Royal Institute of Technology, Stockholm, Sweden

Prof. Mads Dam

3 months, 05/2011 – 07/2011

Research Projects

Current Projects

Project title

Financing Organization

Participant Organizations

Duration

Main Researcher

HATS: *Highly Adaptable and Trustworthy Software using Formal Models*

CE ICT GA#231620

CTH (Sweden), UIO (Norway), KTH (Sweden), UPM (Spain), UKL (Germany), BOL (Italy), CWI (Holland), NRS (Norway), FRH (Germany), FRG (Holland), KUL (Belgium)

March 2009 – February 2013

Germán Puebla

Project title

Financing Organization

Participant Organizations

Duration

Main Researcher

PROMETIDOS-CM: *Madrid Program in Rigorous Methods for the Development of Software*

Madrid Regional Government (CAM S2009TIC-1465)

IMDEA Software, UPM, UCM

January 2010 – December 2013

Francisco Bueno

Project title

Financing Organization

Participant Organizations

Duration

Main Researcher

DOVES: *Development Of Verifiable and Efficient Software*

Spanish Ministry of Science and Innovation (TIN 2008-05624)

UPM

January 2009 – December 2013

Manuel Hermenegildo

Other research activities

Summer School
Organizer
Location
Dates

8th LASER Summer School on Soft. Eng.: Tools for Practical Software Verification
ETH Chair of Software Engineering
Elba Island, Italy
04–10/09/2011

Summer School
Organizer
Location
Dates

PROMETIDOS-CM Summer School
Complutense University of Madrid
Madrid, Spain
19–21/09/2011

Languages

Mother tongue(s)
Other language(s)
Self-assessment
European level^(*)

Spanish

English

German

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user

^(*) *Common European Framework of Reference (CEF) level*