ROBERT BASMADJIAN

EDUCATION

2005 – 2008 **University of Toulouse**, *Toulouse (France)*.
PhD in Distributed Systems.
Supervisor: Jean Paul Bahsoun, Professor, ASTRE Group.
Advisor: Rachid Guerraoui, Professor, École Polytechnique Fédérale de Lausanne (EPFL), Distributed Programming Laboratory Group.
Thesis: *An Arbitrary Tree-Structured Replica Control Protocol*.

2003 – 2004 **Lebanese University / University of Toulouse**, *Beirut/Toulouse (Lebanon/France)*.
MSc in Computer Science.
Supervisor: Mathias Paulin, Professor, CGVR Group.
Thesis: *Generation of Botanical Trees in Computer Graphics*.

1998 – 2002 **Lebanese University**, *Beirut (Lebanon)*.
BSc in Applied Mathematics (Computer Science).

WORKING BACKGROUND

Oct 17 – present **University of Passau**, *Passau (Germany)*.
Professor in Secured Information Systems replacing Professor Hans Reiser.

Sep 15 – Sep 17 **University of Passau**, *Passau (Germany)*.
Habilitand in Distributed Systems.
Chair Leader: Hermann De Meer, Professor, Chair of Computer Networks and Communications.
Theme: Energy Management for Large-Scaled Distributed Systems.

Jan 14 – Jul 15 **ONE LOGIC GmbH**, *Passau (Germany)*.
R&D Manager.
Overview: Leader of a Big Data and Visual Analytic project with a team of more than 10 persons.

Oct 09 – Dec 13 **University of Passau**, *Passau (Germany)*.
Post-doctoral fellow and research associate in Distributed Systems.
Chair Leader: Hermann De Meer, Professor, Chair of Computer Networks and Communications.

TEACHING EXPERIENCE

SS 2017 **Methodological Foundations of Distributed Systems**, University of Passau (*Germany*).
Overview: Lecturer and tutor. 2 hours/week of lectures and 2 hours/week of tutorials for Master students.

Dependable Distributed Systems, University of Passau (*Germany*).
Overview: Lecturer and tutor. 2 hours/week of lectures and 2 hours/week of tutorials for Master students replacing Prof. Hans Reiser.

WS 16/17 **Functional Safety**, University of Passau (*Germany*).
Overview: Lecturer. 1 hour/week of lectures for Bachelor students. The lecture was co-taught with Prof. Hans Reiser.

	Computer Performance Evaluation, University of Passau (*Germany*). *Overview*: Lecturer and tutor. 2 hours/week of lectures and 2 hours/week of tutorials for Master students.
SS 2016	**Methodological Foundations of Distributed Systems**, University of Passau (*Germany*). *Overview*: Lecturer and tutor. 2 hours/week of lectures for Master students in the summer semester of 2016.
WS 15/16	**Computer Performance Evaluation**, University of Passau (*Germany*). *Overview*: Lecturer and tutor. 3 hours/week of lectures and 2 hours/week of tutorials for Master students.
SS 2013	**Complex Systems**, University of Passau (*Germany*). *Overview*: Lecturer and tutor. 2 hours/week of lectures and 2 hours/week of tutorials for Master students in the summer semester of 2013. The lecture was co-taught with Prof. Richard Holzer.
WS 12/13	**Computer Performance Evaluation**, University of Passau (*Germany*). *Overview*: Lecturer and tutor. 3 hours/week of lectures and 2 hours/week of tutorials for Master students in the winter semesters 2012.
2008 – 2009	**Distributed Algorithms**, University of Toulouse, (*France*). *Overview*: Lecturer. 2 hours/week of lectures for Master students in 2009 (ATER program).

ADDITIONAL ACADEMIC EXPERIENCES

2016 – 2017	**Communication Technology and Data Analytics for Future Energy Systems**, University of Passau (*Germany*). *Overview*: Organized an international summer school[1] in energy informatics (50 participants from academia and industry).
2015 – 2016	**Methodological Foundations of Distributed Systems**, University of Passau (*Germany*). *Overview*: Designed from scratch a new lecture and tutorials for Master students.

RESEARCH AND DEVELOPMENT PROJECTS

Jan 14 – Jun 15	**ONEDATA**, ONELOGIC GmbH (*Germany*). *Overview*: Leader of a Big Data and Visual Analytic project with a team of more than 10 persons.
Mar 12 – Dec 13	**EU FP7 ALL4Green[2] Project (Smart Grid)**, University of Passau, (*Germany*). *Overview:* Leader and scientific contributor of the Energy Provider and Data Centre Sub-ecosystem Work Package.
Jan 10 – Feb 12	**EU FP7 FIT4Green[3] Project (Smart Grid)**, University of Passau, (*Germany*). *Overview:* Leader and scientific contributor of the Energy Consumption Models Work Package.

COMPETENCIES

2009 – 2014	**Project Management.**

- Kanban board and Gantt diagram
- Team management with multi-cultural background

Software Development Skills.

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[1] https://www.future-energy-systems.org/
[2] http://www.all4green-project.eu/
[3] http://www.fit4green.eu/

- Client – Server
  - Architectural design
  - API specification and documentation
- Software development process
  - Framework (Spring)
  - Revision controlling principles

2002 – 2003	**Microsoft System Administrator (MCSA)**, *Beirut (Lebanon)*. Installation, configuration and administration of Windows 2000 Professional and Server.	

SCIENTIFIC ACTIVITIES

Technical Program Committee.

- Journal of Distributed and Parallel Computing (2017)

- IEEE Transactions on Industrial Informatics (2016)

- 15th IEEE International Conference on High Performance Computing and Communications (HPCC 2013)

- 2nd International Workshop on Energy-Efficient Data Centres (E^2DC 2013)

- Special Issue of Computer Networks (COMNET 2013)

- Journal of Simulation Modelling Practice and Theory (SIMPAT 2013)

- 1st International Workshop on Energy-Efficient Data Centres (E^2DC2012)

- Journal of Distributed and Parallel Databases (DAPD 2012)

Reviewer.
- PhD thesis of Dr. Juan Felipe Botero – Technical University of Catalonia – UPC (2013)

- Advisor and supervisor of bachelor and master thesis

Contribution to EU Proposals.
- ELECTRIFIC (H2020)

- DC4Cities (STREP)

- ALL4Green (IP)

- FIT4Green (IP)

Visiting researcher (May–July 2007) at EPFL, Lausanne (Switzerland)
Overview: A collaborative work between IRIT (Institut de Recherche en Informatique de Toulouse) of Paul Sabatier University and Distributed Programming Laboratory group of École Polytechnique Fédérale de Lausanne, under the supervision of Professor Rachid Guerraoui. This scientific collaboration lead us to conceive a new replica control protocol based on a tree structure appeared in the 28th International Conference on Distributed Computing Systems ICDCS 08.

HONOURS AND AWARDS
- SustainIT 2012: Best Paper Award

- Leistungsprämie für TV-L-Beschäftigte 2011: Honours for excellent scientific performance

LANGUAGES

Armenian: native	French: Full professional proficiency
Arabic: native	German: Intermediate proficiency
English: Full professional proficiency	

HOBBIES

Basketball: trainer (Bezirksliga Damen) and player (Bezirksklasse Herren)
Dancing: Rock'n'Roll and Salsa