

## Curriculum Vitæ

### Frédéric LE MOUËL

41 years old, married, two children

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<http://www.linkedin.com/in/fredericlemouel>

## Current Position

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- **Associate Professor** since September 1<sup>st</sup> 2004 in the TC Department (*Telecommunications, Services and Uses*) of INSA Lyon, France.
- **Researcher** in the INRIA CITI Laboratory (*Innovation Center in Telecommunications and Services Integration*) of INSA Lyon, France :
  - INRIA ARES Project (*Architectures of Networks of Services*) (2004-2008),
  - INRIA AMAZONES Project (*AMbient Architectures : Service-Oriented, Networked, Efficient, Secure*) (2008-2012),
  - and currently head of the DynaMid Project (*Dynamic Software and Distributed Systems for the Internet of Things*) (2012-) (team of 4 associate professors, 1 contractual professor, 1 ATER, 3 PhD students - <http://dynamid.citi-lab.fr>).
- Computer Science Section 27.
- Holder of the French Doctoral Supervision and Research Award (PEDR) (2007-2011)(2015-2019) and of the French Scientific Excellency Award (PES) (2011-2015).
- Head of the joint teaching SPE-T Program (*Specific Program of Engineering in Telecommunication*) between INSA Lyon, SJTU and EM Lyon in Shanghai, China (2013-2016).
- Founder of the double PhD degree between INSA Lyon and SJTU, Shanghai, China (2014-2016).

## Former Positions

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- 2013 - 2014 :** **Visiting Professor** in the CS Department (*Computer Science*) of SJTU (*Shanghai Jiao Tong University*). (National CRCT. Region mobility grant. Head - for the Rhône Alpes Region - of the joint research COOPERA Project and the joint teaching SPE-T Program. International collaboration with Professor Jian Cao. PhD supervisions), Shanghai, China.
- 2001 - 2003 :** **Assistant Professor** at the EMN (*École des Mines de Nantes*), member of the OCM Team (*Objects, Components, Models*) (Lectures on “*Systems and Networks Administration*”, “*Systems*”, “*Networks*” and “*Middlewares*”), France.
- 1999 - 2000 :** **Lecturer** at the IFSIC (*Institut de Formation Supérieure en Informatique et Communications*), University of Rennes 1 (Lectures on “*Object Programming*”, “*Software Engineering*”, “*Compilation*”, and “*Systems and Networks*”), France.
- 1998 - 2001 :** **Ph.D. Student (INRIA grant)**, member of the INRIA SOLIDOR Project (*Design of Distributed Operating Systems*) at the IRISA laboratory (*Institut de Recherche en Informatique et Systèmes Aléatoires*) and at the University of Rennes 1, France.
- 1996 - 1997 :** **Part-time Lecturer** at the IFSIC (*Institut de Formation Supérieure en Informatique et Communications*), University of Rennes 1 (Lectures on “*Algorithmic*” and “*Programming*”), France.

## Education

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- 2016 :** **HDR in Computer Science**, CITI Laboratory (*Innovation Center in Telecommunications and Services Integration*), University of Lyon, INSA Lyon and University Claude Bernard Lyon 1, France.  
Title : *Complexity of Ambient Software : from Composition to Distributed, Contextual, Autonomous, Large-scale Execution*.  
Keywords : *Middleware, Distributed Computing, Dynamic Systems*.  
Defended, in November 28<sup>th</sup> 2016, in front of the committee :  
President : M. RIVEILL (Univ. Nice Sophia Antipolis)  
Reviewers : T. DELOT (Univ. of Valenciennes), D. HAGIMONT (ENSEEIH), and  
M. RIVEILL (Univ. Nice Sophia Antipolis)  
Members : I. GUÉRIN LASSOUS (Univ. Claude Bernard Lyon 1), F. VALOIS (INSA) and  
P. ROOSE (Univ. of Pau et des Pays de l’Adour)

**1998 - 2003 : Ph.D. in Computer Science with honors**, IRISA Laboratory (*Institut de Recherche en Informatique et Systèmes Aléatoires*), University of Rennes 1, France.

Title : *Adaptive Environment for Distribution of Applications in a Mobile Context*.

Keywords : *Adaptive Systems, Mobile Computing, Distributed Computing*.

Defended, in December 1<sup>st</sup> 2003, in front of the committee :

President : D. HERMAN (Univ. of Rennes 1)

Reviewers : H. GUYENNET (Univ. of Franche Comté) and I. DEMEURE (ENST Paris)

Members : B. FOLLIOU (Univ. Pierre et Marie Curie) and M.-T. SEGARRA (ENST Bretagne)

Supervisor : F. ANDRÉ (Univ. of Rennes 1)

**1994 - 1997 : Diplôme d'Ingénieur en Informatique et téléCommunication, cum laude**, French equivalence of a Master's Degree in Computer Science and Telecommunications, IFSIC (*Institut de Formation Supérieure en Informatique et Communications*), University of Rennes 1, France.

Speciality : *Languages and Operating Systems*.

Title : *Smart Retrieval of Information on Internet and Intranet*.

Keywords : *Smart Agents, Information System, Document Indexation, Document Retrieval, Statistical and Genetic Algorithms*.

Supervisor : E. COLAVITI (Alcatel Alsthom Research, Marcoussis).

## Teaching Activities

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- Master lecture, together with Julien Ponge and Yves Caniou, on “*Distributed Computing : From Principles to Pervasive, Grid and Cloud Computing*” at the University of Lyon, France (2012-2016).
- Master lectures, together with Stéphane Frénot, on “*Pervasive Systems and Peer-to-Peer Computing*” at the University of Lyon, France (2006-2011).
- Master lectures, together with Frédérique Laforest, on “*Pervasive Information Systems*” at the University of Jendouba, Tunisia (2004-2007), at the University of Kairouan, Tunisia (2006-2007) and at the Benemérita Universidad Autónoma de Puebla, Mexico (2005-2006).
- 5<sup>th</sup> INSA Year, lectures on “*Cloud and Internet of Things*” (leader, 2016-), “*The Internet of Things : the application view - The Ambient Intelligence*” (leader, 2010-2016) and “*Pervasive Systems*” (leader, 2005-2011) in the TC Department, INSA Lyon, France.
- 4<sup>th</sup> INSA Year, lectures on “*Modeling and Software Engineering*” (2005-2010), “*Modeling and Object Programming*” (2004-2005) and “*Middleware*” (2004-2016) in the TC Department, INSA Lyon, France.
- 3<sup>th</sup> INSA Year, lectures on “*Dynamic Web*” (leader, 2004-2016), “*Java*” (co-leader, 2004-2012) in the TC Department, INSA Lyon, France.

All these lectures represents ~275h eq TD per year.

## Supervisions

Name	Degree	University	Years	Subject
Marie-Ange Lèbre	Ph.D	INSA Lyon (Valeo CIFRE grant)	2012 2016	Impact of a Local and Autonomous Decision on Intelligent Transportation Systems at different Scales.
Roya Golchay	Ph.D.	INSA Lyon (Iranian CIFRE grant)	2011 2016	From Mobile to Cloud : Using Bio-inspired Algorithms for Collaborative Offloading.
Trista Lin	Ph.D	INSA Lyon (Region grant)	2012 2015	Smart Parking : Network, Infrastructure and Urban Service.
Amira Ben Hamida	Ph.D.	INSA Lyon & ENSI (Tunisia) (Amigo grant)	2006 2010	A Middleware for a Contextual and Autonomic Deployment of Services in Pervasive Environments.
Noha Ibrahim	Ph.D.	INSA Lyon (Libanian grant & Amigo grant)	2004 2008	Spontaneous Integration of Services in Pervasive Environments.
Ferit Baver Elhuseyni	Master	INSA Lyon & University of Lyon	2011	A Cross-layer Approach to Achieve Efficient Service Delivery in Mobile Delay-Tolerant Networks with a Service-Oriented Network Coding.
Etienne Gili	Master	INSA Lyon & University of Lyon	2009	Modelisation of a Spontaneous Orchestration of Services.
Ali Tounetki	Master	INSA Lyon & University of Lyon	2009	Ambient Aggregation of Service Repositories.
Cédric Lévy-Bencheton	Master	University of Lyon	2007	Trust Model integrating Services' Semantics.
Ines Barrak	Master	INSA Lyon & University of Kairouan (Tunisia)	2007	A Dynamic Colouring Algorithm for a Constrained-based Service Loading.
Mouna Khlifi	Master	INSA Lyon & University of Kairouan (Tunisia)	2007	Towards a Context-aware Orchestration of Web Services.
Hajer Chamekh	Master	INSA Lyon & University of Jendouba (Tunisia)	2006	Semantic Deployment of Services in a Pervasive Environment.
Máté Soós	Master	INSA Lyon & University of Budapest	2005	Trust Model Simulation for Ambient Networks and a Protocol to Exchange Credentials between Peers.
Nabil Benanbar	Master	University of Lyon	2005	Smart Strategies for Using Pervasive Services.
Amira Ben Hamida	Master	INSA Lyon & University of Jendouba (Tunisia)	2005	Spontaneous Proximity Documents.
Michael Ion & Javier Lallana	IST Semester	INSA Lyon	2014	Automatic Discovery Protocols Use in Context-Oriented Programming for the Internet of Things.

Michael Genkin	IST	Se- mester	INSA Lyon	2012	Control and Management Interface for Java 7 JooFlux Agent
Wei Liang Choo	IST	Se- mester	INSA Lyon	2010	Studying network coding behavior in mobile social networks - WSNet implementation.

+ 20 PFE : End of study internships from 2005 to 2016.

## Research Activities

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### Committees

#### Journals

- *Program Committee of the International Journal On Advances in Internet Technology*, 2012.
- *Co-editor, with Frédérique Laforest, of the ISI journal special edition on “Adaptation and Context Management”*, Revue d’Ingénierie des Systèmes d’Information (ISI), vol. 11, no.5, 2006.

#### Conferences

- *Program Committee of the International Conference on Mobile Systems and Pervasive Computing (MobiSPC’2016)*.
- *Program Committee of the International Conference on Intelligent Systems and Applications (INTELLI’2012-2016)*.
- *Program Committee of the International Conference on Systems (ICONS’2012-2016)*.
- *Program Committee of the International Conference on Pervasive and Embedded Computing (PECCS’2011-2013)*.
- *Program Committee of the International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies (UBICOMM’2008-2016)*.
- *Program Committee of the 11<sup>th</sup> International Conference on New Technologies in Distributed Systems / NOuvelles TEchnologies de la REpartition (NOTERE’2012)*.
- *Program Committee of the 8<sup>ème</sup> journées francophones Mobilité et Ubiquité (UbiMob’2012)*.
- *Program Committee of the 6<sup>th</sup>-8<sup>th</sup> International Conference on Ubiquitous Intelligence and Computing (UIC’2009-2011)*.
- *Organization Committee of European Conference on Computer Systems (EuroSys’2010)*.

- *Program Committee of the 11<sup>th</sup> IEEE International Conference on High Performance Computing and Communications (HPCC'2009), Pervasive/ubiquitous computing and intelligence Track.*
- *Program Committee of the International Conference on Mobile Communications and Pervasive Computing (MCPC'2009).*
- *Program Committee of the 14<sup>th</sup> IEEE International Conference on Embedded and Real-Time Computing Systems and Applications (RTCSA'2008), Ubiquitous Computing Track.*
- *Program Committee of the International Conference on Pervasive Services (ICPS'2008).*
- *Program Committee of the International Symposium on Ubiquitous Computing Systems (UCS'2007).*
- *Organization Committee of the Objects, Components, Models Conference (OCM'2002) (including website creation and proceedings edition, <http://www.emn.fr/x-info/ocm-2002/>).*
- *Organization Committee of the 1<sup>st</sup> French Conference on Operating Systems (CFSE'1) (including website creations of Rennes'99 and CFSE'1, <http://ren99.irisa.fr/> and <http://www.irisa.fr/manifestations/1999/cfse1/>).*

## **Workshops**

- *Program Committee of the On The Move Academy Workshop (OTM Academy'2009-2016) in conjunction with OTM Federated Conferences.*
- *Program Committee of the International Symposium of Internet of Ubiquitous and Pervasive Things (IUPT'2011-2013) in conjunction with Ambient Systems, Networks and Technologies Conferences (ANT'2011-2013).*
- *Chairman of the 9<sup>ème</sup> atelier sur l'Évolution, la Réutilisation et la Traçabilité des Systèmes d'Information (ERTSI'2010) (including website creation, <http://ertsi2010.conf.citi-lab.fr/>).*
- *Chairman of the 1<sup>st</sup>-4<sup>th</sup> IEEE/ACM International Workshop on Services Integration in Pervasive Environments (SIPE'2006-2009) in conjunction with the IEEE/ACM International Conference on Pervasive Services (ICPS'2006-2009) (including website creation and proceedings edition, <http://sipe09.conf.citi.insa-lyon.fr/>).*
- *Program Committee of the 1<sup>st</sup>-3<sup>rd</sup> Workshop on Middleware-Application Interaction (MAI'2007-2009) in conjunction with EuroSys'2007 and DisCoTec federated conferences.*
- *Organization Committee of the Colloque PRIAM : Les technologies au service des droits : opportunités, défis, limites (PRIAM'2008) (including website creation, <http://priam08.conf.citi.insa-lyon.fr/>).*

- *Program Committee of the 19<sup>th</sup> IFIP/IEEE International Workshop on Distributed Systems : Operations and Management (DSOM'2008)* part of MANWEEK'2008.
- *Program Committee of the 2<sup>nd</sup> IEEE WoWMoM Workshop on Adaptive and Dependable Mission- and bUsiness-critical Mobile Systems (ADAMUS'2008)* in conjunction with WoW-MoM'2008.
- *Program Committee of the 6<sup>ème</sup> Atelier sur les Objets, Composants et Modèles dans l'ingénierie des Systèmes d'Information (OCM-SI'2007)* and of *7<sup>th</sup> Atelier sur l'Evolution, la Réutilisation et la Traçabilité des Systèmes d'Information (ERTSI'2008)*, in conjunction with INFORSID'2007-2008.
- *Program Committee of the International Workshop on Self-Adaptive Software Engineering (SASE'2008)* in conjunction with IEEE CSMR'2008.
- *Organization Committee of the 1<sup>st</sup> Workshop on Software Organisation and MonIToring of Ambient Systems (SOMITAS'2008)*, in conjunction with Ambi-sys'2008.
- *Program Committee of the International Workshop on Functional Architecture for Assisted Living Services (FunCAAL'2007)*, in conjunction with Pervasive'2007.
- *Program Committee of the French OSGi Workshop*, in conjunction with UbiMob'2006.

### **Referees**

- *Referees for the journal : Ad hoc Networks (2012).*
- *Referees for the conferences : International Conference on Service Oriented Computing (IC-SOC'2011), International Conference on Software Composition (SC'2009), International Conference on Embedded Computer Systems : Architectures, Modeling and Simulation (IC-SAMOS'2009), NOuvelles TEchnologies de la REpartition (NOTERE'2009, NOTERE'2005), Mediterranean Ad Hoc Networking (Med-hoc-net'2005), Symposium on Applied Computing (SAC'2001).*

### **PhD Jury**

- *Member (Supervisor) of the PhD Jury of Ms. Roya Golchay, "From Mobile to Cloud : Using Bio-inspired Algorithms for Collaborative Offloading", University of Lyon, INSA Lyon, France, January 26th 2016.*
- *Member (Supervisor) of the PhD Jury of Ms. Marie-Ange Lèbre, "Impact of a Local and Autonomous Decision on Intelligent Transportation Systems at different Scales", University of Lyon, INSA Lyon, France, January 25th 2016.*
- *Member (Supervisor) of the PhD Jury of Ms. Trista Lin, "Smart Parking : Network, Infrastructure and Urban Service", INSA Lyon, France, December 17th 2015.*

- *Member of PhD Jury of Mr. Gregory Van Seghbroeck, “Design-Time Validation and Execution of Service Choreographies”, University of Ghent, Belgium, June 21th 2011.*
- *Member of the PhD Jury of Mr. Aitor Urbieto, expert for the “Doctor Europeus” PhD mention, “An integrated approach for a context-aware and ‘cause-effect’-oriented modelling, matching and composition of semantic services for intelligent environments”, Mondragon Goi Eskola Politeknikoa University, Spain, June 2010.*
- *Member (Supervisor) of the PhD Jury of Ms. Amira Ben Hamida, “AxSeL : A Middleware for a Contextual and Autonomic Deployment of Services in Pervasive Environments”, INSA Lyon, France, February 1st 2010.*
- *Member (Supervisor) of the PhD Jury of Ms. Noha Ibrahim, “Spontaneous Integration of Services in Pervasive Environments”, INSA Lyon, France, September 23th 2008.*
- *Member of PhD Jury of Mr. Frederic Van Quickenborne, “Design and Efficient Management of Aggregation Networks for Fast Moving Users”, University of Ghent, Belgium, November 22nd 2007.*

## Contracts

- *Leader of a regional project for structuring collaborations with SJTU in Shanghai, China - Smart Cities and IT Technologies for a Sustainable Development - also supported with a mobility grant [COOPERA+Explora’Pro], 2013-2015 (15+25 k€).*
- *Leader of a bilateral contract with Valeo - Service Deployment and Invocation under Delay Constraints in Vehicular Networks [Type INSAVALOR+CIFRE], 2012-2015 (110 k€).*
- *Co-leader, with Hervé Rivano, of a regional project in collaboration with Lyon Urban Agency (UrbaLyon) - Measuring the Urban Mobility for a Citizenship Service Cartography [Type ADR-ARC 7], 2012-2015 (32 k€).*
- *Leader for INSA Lyon of the Smart Chappe Building Project - The Smart Chappe Building : A Context-aware Service Platform [Type BQF], 2009-2011 (20 k€). (<http://telecom.insa-lyon.fr/content/plateforme-smart-chappe-building>).*
- *Leader for INRIA Rhône-Alpes of the European Project Amigo - Ambient Intelligence for the Networked Home Environment [Type IP]. Participation to Work Packages 2, 3, 6 and 9. Leader for the 3.4 task “Programming and Deployment Framework for Amigo Services”, 2004-2008 (220 k€) (<http://www.hitech-projects.com/euprojects/amigo/>).*
- *Member of the INRIA Cooperating Research Action PRIAM (Privacy Issues and Ambient intelligence) [Type ARC]. Leader for the information management system task, 2007-2009 (<http://priam.citi.insa-lyon.fr/>).*
- *Member of the French Ministerial Project KAA (Knowledge Authentication Ambient - Multi Disciplinary Project for Trust Management Scheme in Spontaneous Networks) [Type ACI], 2004-2007 (<http://kaa.citi.insa-lyon.fr/>).*



- Member of the French Ministerial Project Arcad (*Architecture Répartie extensible pour Composants ADaptables - Distributed Architecture Extensible to Adaptive Components*) [Type RNTL], 2001-2003 (<http://arcad.essi.fr/arcad/>).

## Patents

- J. Ponge, F. Le Mouël, “JooFlux”, Déclaration d’invention - Software Patent, CITI Lab, INSA Lyon, September 2012.

## Scientific Animation

- Head of Dynamid research team (2012-2016).
- Participation to the Zhang Heng program about “Smart Cities and Internet of Things” (**French Embassy**) : Visit of Chinese Academy of Sciences, National Natural Science Foundation of China, Beihang University, Shanghai Jiao Tong University (2012).
- Co-leader, with Karine Samuel, of the axe 2 “Mobilités et flux, connaître et agir ensemble : pour des organisations innovantes - Mobility, Flows, Knowledge : act together for innovating organizations” of the Regional Academic Research Community Program “Innovations, Mobilités, Territoires et Dynamiques Urbaines - Innovations, Mobility, Territories and Urban Dynamism” (ARC 7) (2011-2015).
- Co-leader, with Cécile Favre and Jean-Paul Jamont, of the Summer School about “Internet and Web of Things” of the Regional Academic Research Community Program “Technologies de l’Information et de la Communication et Usages Informatiques Innovants - Technologies for New and Innovative Information, Communication and Use” (ARC 6) (2013).
- Scientific Seminars Manager of the CITI Laboratory (2010-2013) (<http://www.citi-lab.fr/news/>).

## Invited Talks and Seminars

- Les objets connectés : au service de qui ?  
*28<sup>ème</sup> Entretiens Jacques Cartier*, Showroom Smart Electric, EDF, Lyon, France, December 2<sup>nd</sup> 2015.
- Objet, composant, service : quel model pour les environnements pervasifs ?  
*Invited Talk, 6<sup>ème</sup> Atelier sur les Objets, Composants et Modèles dans l’ingénierie des Systèmes d’Information (OCM-SI’2007)*, Perros-Guirec, France, May 22<sup>th</sup> 2007.
- Ambient Bundle Repository (ABR) : une plateforme OSGi contextuelle et sémantique pour le déploiement de services en environnement ambiant  
*Laboratory Seminary, LIUPPA, Bayonne, France, April 26<sup>th</sup> 2007.*

- Deployment, Integration and Management of Services in Pervasive Environments  
*Invited Talk, 1<sup>st</sup> Workshop China-France on Telecommunications*, Xi'An, China, October 24<sup>th</sup> 2006.
- Le futur de l'Internet  
*Round Table, 9<sup>ème</sup> Rencontres Internet d'Autrans*, Autrans, France, January 14<sup>th</sup> 2005.
- Systèmes adaptatifs : étude, classification, solution pour le cas de la distribution en environnements mobiles  
*SimCITI Laboratory Seminary, INSA, Lyon, France*, November 18<sup>th</sup> 2004.
- Adaptive Environment for Distribution of Applications in a Mobile Context  
*Invited Talk, Facultad de Ciencias de la Computación, Benemérita Universidad Autónoma de Puebla*, Puebla, Mexico, December 19<sup>th</sup> 2003.
- AeDEn : un cadre général pour une distribution adaptative des applications en environnements mobiles  
*Journée de travail du projet RNTL ARCAD, École des Mines de Nantes*, Nantes, France, September 13<sup>th</sup> 2001.
- Environnement adaptatif d'exécution distribuée d'applications dans un contexte mobile  
*Journée Parallélisme, Répartition et Objets (PRO), Université des Sciences et Technologies de Lille*, Lille, France, November 25<sup>th</sup> 1999.

## Open Source Software / Open Data

- Microscopic vehicular mobility trace of Europarc roundabout, Creteil (Creative Commons Licence) (2015) (<http://vehicular-mobility-trace.github.io>).
- Shanghai Taxi Trace - Contact Analysis (Apache Licence) (2014) (<https://github.com/flemouel/taxi-trace>).
- Golo - Fondation Eclipse (Eclipse Public Licence) (2012) (<https://github.com/eclipse/golo-lang>), and ConGolo (2015) (<https://github.com/bmaingret/contextual-golo-lang>).
- Jooflux (Software Patent - Mozilla Licence) (2012) (<https://github.com/dynamid/jooflux>).

## Memberships

- EuroSys Member (*European ACM-SIGOPS Association, Special Interest Group on Operating Systems*) since its creation in May 2005.
- ASF Member (*French ACM-SIGOPS Association*) since 1999. ASF Board (2008-2012), information system and research days (2008-2011).

- ESRGroups Member (*Open Community of Engineers and Researchers*) since 2006.
- OSGi French User Group Member since its creation in December 2005.
- Vice-treasurer of ADOC Association (*Association of Ph.D. Students of the University of Rennes 1*), Rennes, France (1998-2000).

## Administrative Responsibilities

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- Administrative Council of the Regional Academic Research Community Program “Innovations, Mobilités, Territoires et Dynamiques Urbaines - Innovations, Mobility, Territories and Urban Dynamism” (ARC 7) (2011-2015).
- Elected member of the TC Department Council (2005-2012).
- Elected member of the CITI Laboratory Council (2009-2012).
- Elected expert for faculty hiring committee (CS) (Computer Science Section 27) (2009-2013).
- Industrial Training Officer for students in 3<sup>rd</sup> year of the TC Department (2004-2013).
- Leader for INSA Lyon of the Apple on Campus and iOS Developer University Program (2009-2013).
- Social Media Director of the CITI Laboratory (2015-2016).
- Creation of TC Department promotional leaflet, INSA, Lyon, France, 2004.

## Publications

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### Books and Chapters

1. **S. Frénot, F. Le Mouël, J. Ponge, G. Salagnac**  
Various Extensions for the Ambient OSGi Framework,  
*Computer Engineering : Concepts, Methodologies, Tools and Applications*, IGI Global,  
pp. 1799-1810, 2012.
2. **N. Ibrahim, F. Le Mouël, S. Frénot**  
Middleware Technologies for Ubiquitous Computing,  
*Handbook of Research on Next Generation Networks and Ubiquitous Computing*, IGI Global,  
pp. 121-131, 2010.

## Proceedings, Edition

1. **F. Le Mouël, S. Frénot (ed)**  
Proceedings of the 4<sup>th</sup> ACM International Workshop on Services Integration in Pervasive Environments (SIPE'2009),  
*ACM Press*, July 2009.
2. **F. Le Mouël, S. Frénot (ed)**  
Proceedings of the 3<sup>rd</sup> ACM International Workshop on Services Integration in Pervasive Environments (SIPE'2008),  
*ACM Press*, July 2008.
3. **F. Le Mouël, S. Frénot (ed)**  
Proceedings of the 2<sup>nd</sup> IEEE International Workshop on Services Integration in Pervasive Environments (SIPE'2007),  
*IEEE Press*, July 2007.
4. **F. Le Mouël, S. Frénot (ed)**  
Proceedings of the 1<sup>st</sup> IEEE International Workshop on Services Integration in Pervasive Environments (SIPE'2006),  
*IEEE Press*, June 2006.
5. **F. Laforest, F. Le Mouël (ed)**  
Adaptation et gestion du contexte,  
*Networking and Information Systems / Revue d'Ingénierie des Systèmes d'Information (ISI)*, special edition, vol. 11, no. 5, 2006.

## International Journals

1. **T. Lin, H. Rivano, F. Le Mouël**  
Urban Infrastructure Deployment for Wireless On-Street Parking Sensor Networks,  
*Procedia Engineering*, vol. 115, , pp. 29-36, August 2015.
2. **P.O.S. Vaz De Melo, A. C. Viana, M. Fiore, K. Jaffrès-Runser, F. Le Mouël, A. A. F. Loureiro, L. Addepalli, G. Chen**  
RECAST : Telling Apart Social and Random Relation- ships in Dynamic Networks,  
*Performance Evaluation*, special issue : Recent Advances in Modeling and Performance Evaluation in Wireless and Mobile Systems, vol. 87, pp. 19-36, May 2015.
3. **D. Yang, D. Zhang, K.-L. Tan, J. Cao, F. Le Mouël**  
CANDS : Continuous Optimal Navigation via Distributed Stream Processing,  
*PVLDB*, vol. 8, no. 2, pp. 137-148, 2014.
4. **N. Ibrahim, F. Le Mouël, S. Frénot**  
Semantic Service Substitution in Pervasive Environments,  
*International Journal of Services, Economics and Management (IJSEM)*, vol. 6, no. 4, pp. 283-309, 2014.

5. **S. Frénot, F. Le Mouël, J. Ponge, G. Salagnac**  
Various Extensions for the Ambient OSGi Framework,  
*International Journal of Adaptive, Resilient and Autonomic Systems (IJARAS)*, vol. 2, no. 3,  
pp. 1-12, 2012.
6. **N. Ibrahim, F. Le Mouël**  
A Survey on Service Composition Middleware in Pervasive Environments,  
*International Journal of Computer Science Issues (IJCSI)*, special issue on Pervasive Computing,  
vol. 1, pp. 1-12, August 2009.
7. **F. Le Mouël, F. André, M.T. Segarra**  
AeDEn : An Adaptive Framework for Dynamic Distribution over Mobile Environments,  
*Annals of Telecommunications*, vol. 57, no.11-12, pp. 1124-1148, November-December 2002.

### National Journals

1. **A. Ben Hamida, F. Le Mouël, S. Frénot, M. Ben Ahmed**  
Déploiement adaptatif d'applications orientées services sur environnements contraints,  
*Computer Science and Technology / Revue Technique et Science Informatiques (TSI)*, vol. 30,  
no. 1, pp. 59-91, 2011.
2. **A. Ben Hamida, F. Le Mouël, S. Frénot, M. Ben Ahmed**  
Une approche pour un chargement contextuel de services dans les environnements  
pervasifs,  
*Networking and Information Systems / Revue d'Ingénierie des Systèmes d'Information (ISI)*,  
special edition, vol. 13, no. 3, 2008.
3. **F. Le Mouël, F. André**  
AeDEn : un cadre général pour une distribution adaptative et dynamique des applica-  
tions en environnements mobiles,  
*Electronic Journal on Networks and Distributed Processing / Revue Électronique sur les Réseaux  
et l'Informatique Répartie (EJNDP/RERIR)*, no. 11, pp. 169-181, March 2001.

### International Conferences

1. **R. Golchay, F. Le Mouël, J. Ponge, N. Stouls**  
Spontaneous Proximity Clouds : Making Mobile Devices to Collaborate for Resource  
and Data Sharing,  
*Proceedings of the 12<sup>th</sup> EAI International Conference on Collaborative Computing : Networ-  
king, Applications and Worksharing (CollaborateCom'2016)*, Beijing, China, November 2016,  
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