

MASSIMILIANO DE LEONI

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BORN IN NAPLES (ITALY) , 18/3/1980
ITALIAN CITIZENSHIP
SINGLE
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LANGUAGES SPOKEN

Italian (mother tongue), English, Spanish.

PROFESSIONAL AND ACADEMIC EXPERIENCES

From September 2005 DE LEONI INFORMATICA S.r.l. Latina
Massimiliano de Leoni is working part-time for a company that focuses on providing software systems for Local Police. In this company he has worked and is still working on following projects:

- Design and Implementation of the company's web-site and ftp server on Linux platform.
- Realization of the controller of the dominion with Active Directory on Windows Server 2003
- Design and Implementation of a software for the managements of the clothing supplies for Local Polices
- Design and Implementation of a software to handle legal litigations between Provincial prefectures and citizens
- Design and Implementation of a software to handle the photos taken by speed camera and the workflow for managing of following fines.
- Design and Implementation of a software, written in MS C# .NET, to allow local policemen to make fines to vehicles through PDA devices. The communication with the base station can happen through GPRS/UMTS, Wi-Fi 802.11x or USB/ActiveSync and is based on a Web Services SOAP communication. This work is carried on in collaboration with SAPIENZA – Università di Roma.

From September 2006 SAPIENZA – Università di Roma Roma
He is working on the European-funded WORKPAD Project on Process Management System and P2P Service Oriented Architecture for Disaster Response.

Project Coordinator: Prof. Tiziana Catarci;
Technical Manager: Dr. Massimo Mecella

Academic Year 2002-05 SAPIENZA – Università di Roma Latina
He was teaching assistant to the course of *Software Design* course for the bachelor degree in Computer, Electronic and Telecommunication Engineering at Latina, held by Dr. Massimo Mecella.

Academic Year 2005-07 SAPIENZA – Università di Roma Roma
He was teaching assistant to the course of *Advanced Software Design* course for the master degree in Computer Engineering and Management Engineering, held by Dr. Massimo Mecella.

September 2005 – July 06

He has been working for the Italian-funded MAIS Project on Service Oriented Architecture for Disaster Response.

Project Coordinator: Prof. Barbara Pernici.

30-31 March 2006 Alcant-Lucent Battipaglia (Italy)

He has held a course on the “Advanced Middleware: evolutionary aspects to support of distributed systems and interoperability” at the Alcatel company in the offices of Battipaglia (Italy).

2-6 October 2006 Alcant-Lucent Battipaglia (Italy)

He has held a course on “Development of Web Applications on the Apache & MySQL platform” at the Alcatel Company in the offices of Battipaglia (Italy). The course has lasted 5 days.

5-7 June 2007 Alcant-Lucent Battipaglia (Italy)

16-18 July 2007 Alcant-Lucent Rieti (Italy)

He has held a course on “XML – extensible Mark-up Languages” at the Alcatel-Lucent company in the offices of Battipaglia e Rieti. Both of courses have lasted 3 days.

July – September 07 SAPIENZA – Università di Roma Roma

He has collaborating with Dipartimento di Informatica e Sistemistica “A. Ruberti” for installing and testing JBOSS Application Server at university laboratories at Via Tiburtina

September 07 – April 08 Queensland University Brisbane, AU

He has been visiting the BPM Cluster at Queensland University of Technology, Brisbane (Australia) under the supervision of the Prof. Arthur ter Hofstede.

Academic Year 2007-08 SAPIENZA – Università di Roma Roma

He is teaching assistant to the course of *Advanced Software Design* course for the master degree in Computer Engineering and Management Engineering, held by Dr. Massimo Mecella.

He has been in the Programme Committee of the following workshops/special sessions of International well-known Conferences:

- The IEEE workshop on Interdisciplinary Aspects of Coordination Applied to Pervasive Environments: Models and Applications at WETICE’07, Paris, France.
- The workshop on MOBILE and DIStributed approaches in Emergency Scenarios (MODIES) at Pervasive Health 2008, Tampere, Finland
- The special session on Process- and Geo-aware Systems for Crisis Management at the 5th International Conference on Information Systems for Crisis Response and Management (ISCRAM2008), Washigton, USA.
- The IEEE workshop on Coordination Models and Applications: Knowledge in Pervasive Environments (CoMA) at WETICE’08, Rome, Italy.

Moreover, Massimiliano is organising a workshop on “Process Management for Highly Dynamic and Pervasive Scenarios” at the 5th Business Process Management Conference, Milan, Italy. The workshop takes place on 1 September 2008.

EDUCATION

- 1994–1999 Scientific High School Latina
School: Liceo Scientifico “G.B. Grassi” – Latina
Mark: 81/100
- Sept 1999 – Dec 2002 Bachelor Degree in Computer Engineering Latina
Laurea in Ingegneria Informatica
Thesis title: The Structure of the Web Graph
Advisor: Dr. Luca Becchetti
University: SAPIENZA – Università di Roma (sede di Latina)
Mark: 110/110 cum laude
- Jan 2003 – Jul 2005 Master Degree in Computer Engineering Roma
Laurea Specialistica in Ingegneria Informatica
Thesis title: Design and Implementation of Techniques for the
adaptive handling of Workflows on Mobile Ad-Hoc Networks
Advisor: Dr. Massimo Mecella
University: SAPIENZA – Università di Roma
Mark: 110/110 cum laude
- Since November 2005 Ph.D. student in Computer Engineering Roma
Thesis title: Highly Dynamic Adaptation in Process Management
Systems
Advisor: Prof. Tiziana Catarci
University: SAPIENZA – Università di Roma

INTERNATIONAL PUBLICATIONS ON CONFERENCES AND JOURNALS

- M. de Leoni, F. De Rosa, M. Mecella**
“MOBIDIS: A Pervasive Architecture for Emergency”
In Proc. of The 4th International Workshop on Distributed and
Mobile Collaboration (DMC 2006) at the 15th IEEE International
Workshops on Enabling Technologies: Infrastructures for
Collaborative Enterprises (WETICE-2006), University of Manchester,
UK, June 26th -28th, 2006.
AWARDED AS "BEST PAPER" OF THE DMC 2006 WORKSHOP
- T. Catarci, M. de Leoni, M. Mecella, M. Angelaccio, S. Dustdar
et al.**
*“WORKPAD: 2-Layered Peer-to-Peer for Emergency Management through
Adaptive Processes”*
In Proc. of The 2nd International IEEE Conference on Collaborative
Computing: Networking, Applications and Worksharing
(COLLABORATECOM 2006), Atlanta, Georgia, USA, November
17th - 20th, 2006
- M. de Leoni, M. Mecella, F. De Rosa, A. Marrella, A. Poggi, A.
Krek, F. Manti**
*“Emergency Management: from User Requirements to a Flexible P2P
Architecture”*
In Proc. of the Session on *Flexible Service and Data Management Platforms
for Crisis Response*
at the 4th International Conference on Information Systems for Crisis
Response and Management (ISCRAM), Delft, the Netherlands, May
13th-16th, 2007

4. **F. D'Aprano, M. de Leoni, M. Mecella**
"Emulating Mobile Ad-hoc Networks of Hand-held Devices. The OCTOPUS Virtual Environment"
 In Proc. of the ACM Workshop on System Evaluation for Mobile Platforms: Metrics, Methods, Tools and Platforms (MobiEval) at Mobisys 2007, Puerto Rico 11-14 June 2007
5. **M. de Leoni, M. Mecella, R. Russo**
"A Bayesian Approach for Disconnection Management"
 In Proc. The Workshop on Interdisciplinary Aspects of Coordination Applied to Pervasive Environments: Models and Applications (COMA 2007) at the 16th IEEE International Workshops on Enabling Technologies: Infrastructures for Collaborative Enterprises (WETICE-2007), GET/INT, Paris, France, June 18-20, 2007
6. **T. Catarci, M. de Leoni, M. Mecella, S. Dustdar, L. Juszczak et alt.**
"The WORKPAD P2P Service-Oriented Infrastructure for Emergency Management"
 In Proc. The 3rd International Workshop on Collaborative Service-oriented P2P Information Systems (COPS 2007) at the 16th IEEE International Workshops on Enabling Technologies: Infrastructures for Collaborative Enterprises (WETICE-2007), GET/INT, Paris, France, June 18-20, 2007.
7. **G. De Giacomo, M. de Leoni, M. Mecella, F. Patrizi**
"Automatic Workflow Composition of Mobile Services"
 In Proc. of the IEEE International Conference on Web Services (ICWS 2007), Salt Lake City, USA, July, 2007.
8. **M. de Leoni, M. Mecella, G. De Giacomo**
"Highly Dynamic Adaptation in Process Management Systems through Execution Monitoring"
 In Proc. of the 5th International Conference on Business Process Management (BPM 2007), Brisbane, Australia, 24-28 September 2007.
9. **M. de Leoni, F. De Rosa, M. Mecella, S. Dustdar**
"Resource Disconnection Management in MANET Driven by Process Time Plan"
 In Proc. of the First International ACM Conference on Autonomic Computing and Communication Systems, 28-30 October 2007, Rome Italy.
10. **T. Catarci, M. de Leoni, M. Mecella, G. Vetere, S. Dustdar et alt.**
"Pervasive and Peer-to-Peer Software Environments for Supporting Disaster Responses"
 "IEEE Internet Computing" Journal – Special Issue on Crisis Management (January-February 2008).
11. **M. de Leoni, S. R. Humayoun, M. Mecella, R. Russo**
"A Bayesian Approach for Disconnection Management in Mobile Ad-hoc Network" (Extended version)
 "Ubiquitous Computing and Communication" Journal -March 2008

TECHNICAL KNOWLEDGE

- Software design through UML Diagrams e Design Pattern (Singleton, Observer, Factory, etc...), according to model MVC
- Database: MS Access, Oracle Lite, MySQL, PostgreSQL, SQL language, interaction by JDBC, ODBC, ADO e ADO.NET

- Programming Languages: C, C++, Java, Visual Basic 6 e .NET, Visual C# .NET
- Operating System Windows 9x/ME/200x/XP: Installation and system handling; MS-DOS; O.S. Programming through C
- Operating System Windows 2003 Server: Installation, Configuration and handling, Configuration of a Domine Controller and Active Directory
- Sistemi Operativo Unix/Linux: Installation and system handling; Shell language; system programming through C language; kernel-hacking;.
- Technologies for Distributed Information Systems: Java Remote Method Invocation (RMI), CORBA, Java Message Service (JMS), Enterprise Java Beans, Web Service Development in Java and C#; Deploying on Application Servers, specifically JBoss.
- Graphical User Interface Development in Java Swing or Visual Studio .NET
- Design and development of Web Applications and Dynamic Web Sites on Apache and Tomcat, which rely on JavaScript, PHP, Servlet and JSP,
- Multi-thread programming in C, C#, Java.