


PERSONAL INFORMATION



Pierre Châtel-Innocenti

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 chatel.pm

Date of birth 03/09/1982 | Nationality French

POSITION

Senior R&D Engineer in Computer Science

WORK EXPERIENCE

01/11/2015–Present

Research Engineer in Computer Science

Université Paris 8

2 Rue de la Liberté, 93200 Saint-Denis (France)

www.univ-paris8.fr/EA-349-Laboratoire-Paragraphe

In charge of structuring [CiTu-Paragraphe](#) laboratory scientific goals and their traduction into interdisciplinary R&D collaborative projects.

Creation and management of a new collaborative research project with 9 other public and private partners. Submission of two European projects in the field of education and training in 2016.

Project manager of [DualCorps](#), project studying cyber-twins and the weight of data in the creation and representation of digital identities - funded by Labex Arts-H2H in 2016-2017

In charge of technological watch on the following subjects: hypermedia, interactive Web documents, data archives exploration and valorization.

Key technological skills (see [chatel.pm/dev](#) and [GitHub](#)):

- Languages and Frameworks: Java, C, Objective-C, JavaScript (fundamentals).
- Distributed system architectures: Cloud (IaaS and PaaS), SOA, OSGI, Corba Component Model, Service Bus.
- Components and Web services technologies: WSDL2.0, BPMN2, BPEL, ODE, Orchestra.
- Data and MetaData: Big Data theory and fundamentals (MapReduce, Hadoop, Spark), MySQL, NoSQL technologies family, MetaData and Semantic technologies (RDF, SPARQL, Dublin Core, OWL).
- Web technologies: HTML5, Javascript, Node.js, Angular.js, CSS3, XSLT, jQuery, PHP/Symfony

Lab director contact: Khaldoun Zreik (khaldoun.zreik@univ-paris8.fr)

Business or sector Research Laboratory - Public sector

01/01/2010–Present

IT consultant and freelance software developer

Massy (France)

For early 2017: freelance technical contributions and work-package steering for Hesam University [competence mapping online tool](#). **Project manager contact:** Sonia Litaïem (sonia.litaïem@hesam.eu).

Mobile (iOS and Android) & Web developments/design: more information at [chatel.pm/dev](#) and [chatel.pm/web-design](#).

Freelance teacher for [CreaTIC workshop-laboratory](#) on internet of Things and Smart Things : providing prototyping expertise on Arduino platform. **CreaTIC manager contact:** Hakim Hachour (hhachour@gmail.com).

Business or sector Freelance - Private sector

01/01/2007–31/10/2015 **R&D Engineer in Computer Science - Expert in Large-scale Distributed Systems**

Thales Communications and Security S.A. - Defence & Security C4I Systems Division
4 avenue des Louvresses, 92622 Gennevilliers (France)

Technological expert in semantic and syntactic interoperability of large-scale distributed Systems, dynamic composition of smart objects, applied to Smart City and Smart Transportation R&D projects.

Contributor to the following European and French R&D collaborative projects: CHOReOS, Future Internet-WARE, Instant Mobility, Web of Objects, TravelDashboard, CONNECT, SemEUSe and SocEDA.

Responsibilities: innovation roadmap management, technical steering and management of software engineers team (5 engineers and 2 interns), steering of technical contributions to European and French collaborative projects in ICT domain, as well as interfacing with other industrial, SME and academic partners from Thales ecosystem.

In charge of technological watch on the following subjects: interoperability in complex systems, semantic, metadata, Web architecture and distributed networks, Smart City/Transportation.

Managers contact: Hugues Vincent (hugues.vincent@thalesgroup.com), Pascal Llorens (pascal.llorens@thalesgroup.com), Patrick Gatellier (patrick.gatellier@thalesgroup.com)

Business or sector Defence & Space industry - Private sector

01/01/2007–01/04/2010 **PhD Student**

LIP6 - Laboratory of Computer Science, Paris 6
4 Place Jussieu, 75005 Paris (France)

PhD thesis "A qualitative approach for decision making under non-functional constraints during agile service composition". It applied Fuzzy Logic theory to define qualitative preferences and improve service selection relevance. Work applied to an environmental crisis management use-case for Thales.

Full thesis document in **French** and **English**.

Directors contact: Jacques Malenfant (jacques.malenfant@lip6.fr), Isis Truck (truck@ai.univ-paris8.fr).

Business or sector Research Laboratory - Public sector

01/08/2007–01/01/2009 **College (University) teaching professional**

Université Paris 8
2 Rue de la Liberté, 93200 Saint-Denis (France)

2007-2009 : Teacher (Master 1 & 2) "Distributed systems and networks".
2015-2017 : Teacher (Master 2) "Digital and Interactive Documents", "Web documents".

Courses (in french) can be downloaded at chatel.pm/enseignement.

Business or sector College (University) - Public Sector

01/06/2006–31/12/2006 **Intern**

Thales Land & Joint Systems
4 avenue des Louvresses, 92622 Gennevilliers (France)

Internship on solving large-scale service-based system interoperability issues by automatic data adaption.

Business or sector Defence & Space industry - Private sector

EDUCATION AND TRAINING

01/01/2007–01/04/2010 **PhD Thesis (Doctorate)**

ISCED level 8 - EQF level 8

LIP6 - Laboratory of Computer Science, Paris 6 (Public Research Laboratory)
4 Place Jussieu, 75005 Paris (France)

01/09/2005–31/07/2006 **Master in Computer Science, ie. 5 years university degree** ISCED level 7 - EQF level 7
 University Pierre & Marie Curie (Paris VI) (University)
 4 Place Jussieu, 75005 Paris (France)

01/09/2000–31/07/2004 **Maîtrise in Computer Science, ie. 4 years university degree** ISCED level 6
 University of Nice Sophia Antipolis (University)
 34 Avenue Emile Henriot, 06000 Nice (France)

PERSONAL SKILLS

Mother tongue(s) French, English (Proficient user)

Other skills **Audio & Video production and postproduction** (Ligthing, Shooting, Video montage with FinalCutPro X, Motion Graphics with Apple Motion.)
 See chatel.pm/audio-video for more details.

Driving licence A, B

ADDITIONAL INFORMATION

Scientific publications

International Journal

Licia Capra, Pierre Châtel, Animesh Pathak, Roberto Speicys Cardoso. *TravelDashboard - a Framework for the Delivery of Personalized Mobility Services to Urban Travellers*. ERCIM News. ISSN 0926-4981. 2013.

Pierre Châtel, Isis Truck, Jacques Malenfant. *LCP-Nets: A linguistic approach for non-functional preferences in a semantic SOA environment*. Journal of Universal Computer Sciences (JUICS), 2010 (Special Issue on Information Fusion and Logic-based Reasoning Approaches for Decision Making Under Uncertainty).

International conferences

In review: Pierre Châtel, Guillaume Besacier. *A hypermedia approach for digital heritage data promotion to the general public*. 4th Hyperheritage International Seminar (HIS.4). 2017.

Pierre Châtel, Jacques Malenfant, Isis Truck. *Qos-based late-binding of service invocations in adaptive business processes*. The 8th International Conference on Web Services (ICWS). 2010.

Pierre Châtel, Isis Truck, Jacques Malenfant. *A linguistic approach for non-functional constraints in a semantic SOA environment*. in FLINS'08. 2008. Madrid, España.

Pierre Châtel. *Toward a Semantic Web service discovery and dynamic orchestration based on the formal specification of functional domain knowledge*. in ICSSEA 2007 : 20th International Conference on Software & Systems Engineering and their Applications. 2007. Paris, France.

Pierre Châtel. *Une architecture pour la découverte et l'orchestration de services Web sémantiques*. in JFO 2007 - Les Ontologies : mythes, réalités et perspectives. 2007. Sousse, Tunisia.

International Workshop

Bao Le Duc, Pierre Châtel, Nicolas Rivierre, Jacques Malenfant, Philippe Collet, Isis Truck. *Non-functional Data Collection for Adaptive Business Process and Decision Making*. in MW4SOC'09 workshop. 2009: Vienna, Austria.

Links **LinkedIn Profile:** <http://fr.linkedin.com/in/pierrechatel>