

Dr. Christophe Dominique Marie Guéret

Linked Data researcher and open data advocate interested in the design of decentralised interconnected knowledge systems. Currently hacking LD-powered systems at the BBC.

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Personal details	Languages spoken : French (mother tongue), English (fluent), Dutch (basic) Date of Birth : December 11, 1979
Research Interests	Decentralised information systems and ICT for development (ICT4D). Usage of Computational Intelligence techniques to address Semantic Web problems. Network analysis of Complex Systems applied to Web Data.

Competences

Computer skills	Development languages (Java, Javascript, Python, C, C++). Web-development and document specification languages (HTML, Javascript, CSS, XML, \LaTeX , RDF, SPARQL). Computing tools and techniques (Map/Reduce, Document store, Triple store). Use of Windows, Mac and GNU/Linux operating systems. Network administration.
Other skills and Interests	Good presentation and communication skills, very motivated in learning new things and good at team work. Event organisation and chairing. Networking and community building.

Education

2002 – 2006	PhD, Computer Science - University of Tours, France Field of work: Data processing, P2P networks, Swarm algorithms Dissertation title: "Navigateurs Internet intelligents: Algorithmes de fourmis artificielles pour la diffusion d'informations dans un réseau P2P"
2001 – 2002	Master Degree, Computer Science - University of Tours, France
1999 – 2002	Engineer, Computer science applied to Industry - University of Tours, France

Experiences

Professional Experience

Sept 2015 – Present	BBC - Cardiff <i>Position : Senior Software Engineer</i> Contribute to developing the Acropolis platform for the project "Research and Education Space" (RES)
Oct 2012 – Sept 2015	DANS/KNAW - Den Haag <i>Position : Researcher</i> <ul style="list-style-type: none">• Sept 2013 – Present : Co-leader of the WG on "Data curation and navigation based on knowledge maps" in KNOWeSCAPE (http://knowescape.org/).• 2012 – 2015: Co-lead the e-Humanities project "CEDAR" on historical Dutch census data (see http://www.cedar-project.nl/ and http://ehumanities.nl/).• 2012 – 2013: Lead the project "ERS" about entity registries for low-connectivity contexts under a grant from Verisign Inc. together with the ExaScale InfoLab (see http://worldwidesemanticweb.org/projects/entity-registries/).
Oct 2007 – Aug 2012	Knowledge Representation & Reasoning Group (AI Dept.) - Vrije Universiteit, Amsterdam <i>Position : Post-doctoral researcher</i> <ul style="list-style-type: none">• Until 2010, lead the SOKS project investigating cross-research opportunities between Computational Intelligence and the Semantic Web (http://www.few.vu.nl/soks/).• From 2010, Work package leader for the activities from the VUA in the European funded (FP7) LATC project providing support for publishing Linked Data on the Web (http://latc-project.eu/).• In 2011, launched the "World Wide Semantic Web" portal (http://worldwidesemanticweb.org) and the W3C community group "Development Linked Data (DLD)" (http://www.w3.org/community/dld/). Still currently manages both groups together with like-minded researchers.

Project acquisition

2008 – Present Contributed to or lead the work on writing several national and international grant proposals. In 2012, got a grant of 200k USD for one year to work on ERS together with Philippe Cudré-Mauroux

Teaching Experience

2012 – 2015

Vrije Universiteit Amsterdam, Netherlands

Position : Guest researcher

Lectured about low-resource ICT infrastructures in the “Environment & Development” course of the Faculty of Social Sciences and CS “ICT4D” master module. Supervised of Master and Bachelor students on ICT4D. Supervised PhD students working on data integration.

2008 – 2012

Vrije Universiteit Amsterdam, Netherlands

Position : PostDoc

Guest lecture in the “Automated Reasoning” course on solving CSPs with evolutionary computing. Lecturer in the “ICT4D” master module. Supervision of Master and Bachelor students.

2002 – 2007

University of Tours, France

Position : Lecturer computer science and network administration

Lectured (> 300h of teaching), supervised on-machine training and projects, prepared and graded exams. Total of 107 students, 96 mid-term projects, 9 final projects and 2 Master studies.

Committees and reviews

2014

Semantic Web journal (SWJ)

Position : Guest editor

2007 – present

Journal of Systems and Software, Journal of Web Semantics (JWS), Semantic Web journal (SWJ), IEEE Internet Computing, Journal On Advances in Internet Technology

Position : Reviewer

2003 – present

Workshops (Natures, SOAT, DownScale), Conferences (JFT, ESWC), Tutorials (LATC, LD4D, KR4D)

Position : Member of Organizing Committee, Chair

2009 – present

ESWC, WWW, ISWC, EMERGING, GraphQ, LWDM, ATC, SOCINFO, MAJESTIC

Position : Member of Program Committee

Selected side activities

Sept 2013 – present

Land Portal <http://landportal.info/>

Position : Member of Technical Architecture Group (TAG)

Contribute experience on system architecture and knowledge representation best practices for publishing information about land usage.

July 2011 – August 2015

W3C <http://w3c.org/>

Position : W3C AC representative for the VUA Amsterdam, member of several working groups

Contribute to creating standards for the Web

2010 – 2014

OLPC <http://wiki.laptop.org> and SugarLabs <https://www.sugarlabs.org/>

Position : Community member

Contribute developing software, ideas and relations within the community

Selected publications

The full list of over 70 publications is available online: <http://www.mendeley.com/profiles/christophe-gueret/>

- [1] GUÉRET, Christophe ; CUDRÉ-MAUROUX, Philippe: The Entity Registry System: Publishing and Consuming Linked Data in Poorly Connected Environments. In: *ERCIM News* (2014), April, 54–55. <http://ercim-news.ercim.eu/en97/ri/the-entity-registry-system-publishing-and-consuming-linked-data-in-poorly-connected-environments>
- [2] GUÉRET, Christophe ; BOER, Victor de ; SCHLOBACH, Stefan: Let's "Downscale" Linked Data. In: *IEEE Internet Computing* 18 (2014), Nr. 2, 70–73. <http://dx.doi.org/10.1109/MIC.2014.29>. – DOI 10.1109/MIC.2014.29. – ISSN 1089–7801
- [3] GUÉRET, Christophe ; SCHLOBACH, Stefan ; BOER, Victor D. ; BON, Anna ; AKKERMANS, Hans: Is data sharing the privilege of a few ? Bringing Linked Data to those without the Web. In: *Proceedings of ISWC2011 Outrageous ideas track* (2011), S. 1–4. – *Best paper award*
- [4] GUÉRET, Christophe ; GROTH, Paul ; STADLER, Claus ; LEHMANN, Jens: Assessing Linked Data Mappings using Network Measures. In: *Proceedings of ESWC2012*, 2012. – *Nominated for best paper award*
- [5] GUÉRET, Christophe ; WANG, Shenghui ; GROTH, Paul ; SCHLOBACH, Stefan: Multi-scale Analysis of the Web Of Data: A Challenge to the Complex System's Community. In: *Advances in Complex Systems* 14 (2011), Nr. 04, 587. <http://dx.doi.org/10.1142/S0219525911003153>. – DOI 10.1142/S0219525911003153. – ISSN 0219–5259
- [6] GUÉRET, Christophe ; GROTH, Paul ; VAN HARMELEN, Frank ; SCHLOBACH, Stefan: Finding the Achilles Heel of the Web of Data : using network analysis for link-recommendation. In: *Proceedings of the 9th International Semantic Web Conference (ISWC2010)*, 2010