Bruno Guillon

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Civilities

name Guillon

first name Bruno, Dominique, Jean, Olivier

birthdate February 11, 1989

birthplace Saint-Martin-d'Hères (38), FRANCE

nationality French

Publications

Conference papers

- 2015 **Bruno Guillon**, Sweeping weakens 2-way transducers even with a unary output alphabet, NCMA 2015, 91-108.
- 2014 Christian Choffrut, Bruno Guillon, An algebraic characterization of unary two-way transducers, ICTCS, 279-283.
- 2014 Chritian Choffrut, Bruno Guillon, An algebraic characterization of unary two-way transducers, MFCS LNCS 8634, p. 196 ff.
- 2012 Viliam Geffert, Bruno Guillon, Giovanni Pighizzini, Two-Way Automata Making Choices Only at the Endmarkers, LATA 2012, pp. 264-276.

Journal papers

2014 Viliam Geffert, Bruno Guillon, Giovanni Pighizzini, Two-Way Automata Making Choices Only at the Endmarkers (long version), Inf. Comput. 239, 71-86.

Submitted papers

2016 **Bruno Guillon**, Sweeping weakens 2-way transducers even with a unary output alphabet (long version), RAIRO-ITA.

Education (* in progress)

- 2012–2016* Phd in Theoretical Computer Science, LIAFA Université Paris 7, Università degli Studi di Milano.
 - 2010–2012 Master PENSUNS (Theoretical Computer Science), ENS Lyon, Université Nice-Sophia-Antipolis.
- 2009–2010 Bachelor of Theoretical Computer Science, ENS Lyon, Université Claude Bernard Lyon 1.
- 2007–2009 **Preparatory Classes in science**, *Lycée Champollion*, Grenoble, Preparation for entrance competitions to French "Grandes Écoles", national institute of higher education.

Research Schools

- 2015 **EPIT**, *Fréjus*, french one week thematic school for researcher, Mechanizing proof system (Coq assistant).
- 2011-2016 **6 ÉJCIMs**, Amiens, Rennes, Perpignan, Caen, Orléans, Strasbourg, french one week school for young researcher, including courses and voluntary presentations by participants.

Experience in Computer Science Research (* in progress)

Research

- 2012-2016* LIAFA, UniMi, Phd in Computer Science in international cotutelle (France and Italy) supervised by C. Choffrut and G.Pighizzini, Extensions of two-way finite automata, 3 years.
 - 2012 **LIAFA**, internship directed by C. Choffrut, Communicating Finite Automata System over unary alphabet, (currently, 6 months).
 - 2011 **Università degli Studi di Milano**, *internship directed by* G. Pighizzini, Descriptional Complexity and Nondeterminism for Two-ways Finite Automata, (3 months).
 - 2010 **Université d'Orsay**, *internship directed by* F. Fiorenzi, Cellular Automata and Tilings, (6 weeks).

Teaching

- 2015-2016* Université Paris-Diderot, Paris 7, teaching in practical lectures of License of Computer Science, XML, Programming projects, Algorithmic, 72 hours.
- 2012-2015 Université Paris-Diderot, Paris 7, teaching in practical lectures of License of Computer Science, Introduction of programming, Programming Projects, Computer Concepts, Internet and tools, 192 hours.

Knowledge

Programming skills and utils

- coq 2009-2015, Some courses and thematic one week school (EPIT 2015) with exercices.
- oCaml 2007-2011, Some courses and advanced projects (Graphical tiling editor, Compilator).
 - sage 2010-2015, Initiation, courses and applications.
- html, Css, Php... 2015, Teaching and realization of a webpage for the MFCS 2015 conference.
 - java 2012-2015, Teaching in License.
 - python, C, bash 2009-2013, some smaller projects and scripts.
 - LaTeX 2009-2015, many reports, presentations, this cv.

Languages

French native

English average level scolar courses (2002-2010), practical of scientific english (2007-2012)

Italian average level since 2011
German average level old remains from scolar sustrained courses (2000-2009)

Extra Education

Other experience and diploma

- 2014 **PSC1**, First Aid French diploma.
- 2011 **Driving license**, Nice.
- 2011-2015 Social action in favor of poor people, Nice, Paris, Milan.
- 2007-2010 BAFA, French license of animator, with specification in integretion of disability.
- 2007-2014 Seven summer camps, in a team of animators, Grenoble, Lyon.
 - 2004 AFPS, First Aid french diploma.

Hobbies

Sports, soccer, hiking, cycling....

Music, majoring guitar and accordeon.