

Benjamin HELLOUIN DE MENIBUS

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Curriculum

Since 2014	Post-doctorate with Cristóbal ROJAS, Universidad Andrés Bello, Santiago
2011–2014	Ph.D under the supervision of Xavier BRESSAUD and Mathieu SABLIK, Aix-Marseille University: <i>"Asymptotic behaviour of cellular automata: computation and randomness"</i>
2010–2011	Agrégation Mathematics , with Informatics speciality ranked 36th.
2008–2011	Master's degree in Theoretical Informatics with honors ENS Lyon.
2010	6-month internship supervised by Mathieu SABLIK, Aix-Marseille University: <i>"Particles and self-organization in cellular automata"</i>
2009	3-month internship supervised by Takeaki UNO, NIL, Tōkyō: <i>"Matching counting in graphs with bounded clique-width"</i>
2008	2-month internship supervised by Yannis MANOUSSAKIS, Orsay university: <i>"Connexity in edge-colored graphs"</i>

Publications

2015	with Martin DELACOURT: Construction of limit measures of higher dimensional cellular automata. submitted to <i>Theory of Computing Systems</i> .
2014	with Martin DELACOURT: Construction of mu-limit sets of two-dimensional cellular automata. <i>STACS 2015</i> , Munich.
2014	with Mathieu SABLIK: Characterisation of sets of limit measures of a cellular automaton iterated on a random configuration. accepted in <i>Annals of Ergodic Theory and Dynamical Systems</i> .
2012	with Mathieu SABLIK: Entry times in automata with simple defects dynamics. JAC/Automata 2012, Bastia.
2011	with Mathieu SABLIK: Self-organization in cellular automata: a particle-based approach. DLT 2011, Milan.
2011	with Takeaki UNO: Counting maximum matchings and path matchings in graphs of bounded clique width. TAMC 2011, Tōkyō.

Teaching

2015	Vectorial Calculus , lectures in Spanish (70h)
2013-2014	Introduction to Computer Science and Programming , lectures and tutorials (40h) Computer Architecture , lab work (24h)
2012-2013	Introduction to Computer Science and Programming , lectures, tutorials and lab work (64h)
2011-2012	Probabilities , tutorials (24h) Mathematics for Computer Science , tutorials and lab work (40h)

Languages

French: native speaker.

English: fluent (TOEFL : 114/120).

Spanish: fluent.

Japanese: intermediate (around JLPT 4 level).

German: beginner.