

# William Schueller

## Curriculum vitae

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✉ [william.schueller@gmail.com](mailto:william.schueller@gmail.com)  
Born 23/12/1988 in Mulhouse, France



## Cursus

- 2015– **PhD in Computer Science**, *Computational and statistical models of active learning mechanisms in the dynamics of language formation in groups of individuals*, supervised by Pierre-Yves Oudeyer.  
INRIA Bordeaux Sud-Ouest  
Bordeaux, France
- 2011–2012 **M2 (2<sup>nd</sup> year of Master)**, *Complex Systems Modelling*.  
ENS de Lyon and IXXI (Institut des Systèmes Complexes Rhône-Alpin)  
Lyon, France
- 2010–2011 **M1 (1<sup>st</sup> year of Master)**, *Matter Sciences (Physics)*,  
Semester *Genetics and Molecular Biology*.  
Ecole Normale Supérieure de Lyon  
Lyon, France
- 2009–2010 **Licence (Equivalent to BSc)**, *Matter Sciences (Physics)*.  
Ecole Normale Supérieure de Lyon  
Lyon, France

## Teaching

- 2012-2014 **Maths and Physics Lecturer**,  
French-speaking University Galatasaray, Engineering and Computer Science Faculty,  
Istanbul, Turkey.  
Maths and Physics oral examinations, Physics experiments, French for Mathematics

## Publications

- 2016 W. Schueller and P.-Y. Oudeyer. **Active Control Of Complexity Growth In Naming Games: Hearer's Choice**. In *The Evolution of Language: Proceedings of the 11th International Conference (EVLANGX11)*, 2016.
- 2015 W. Schueller and P.-Y. Oudeyer. **Active Learning Strategies and Active Control of Complexity Growth in Naming Games**. In *the 5th International Conference on Development and Learning and on Epigenetic Robotics*, Providence, RI, United States, 2015.

## Invited Talks

- July 2015 **Active learning and active control of growth complexity in naming games**, *Complexity & Quantitative Linguistics Lab, Universitat Politècnica de Catalunya*, Barcelona, Catalonia, Spain.

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## Internships and Collaborations

- 2017 **Active control of complexity: trust in the Naming Game**, with *Vittorio Loreto*,  
(Jan-Jul) Social Dynamics Lab.  
Sapienza University  
Rome, Italy
- 2014–2015 **Active Learning in language emergence models**, with *PY Oudeyer*,  
Flowers Team  
INRIA Bordeaux Sud-Ouest, Bordeaux, France.  
Preparation of PhD project
- 2012 **Energy distribution dynamics in an anthill**, with *JL Deneubourg*,  
Unité d'Ecologie Sociale  
Université Libre de Bruxelles, Brussels, Belgium.  
Modelling food exchange and storage by ants, comparison with experimental data
- 2011 **Theoretical Models of Language**, with *Ramon Ferrer i Cancho*,  
Departament de Llenguatges i Sistemes Informàtics  
Universitat Politècnica de Catalunya, Barcelona, Spain.  
Using approaches inherited from information theory and statistical mechanics
- 2010 **Large scale experiment for the understanding of ultrasonic scattering by red blood cells aggregates**, with *Emilie Franceschini*,  
Laboratoire de Mécanique et d'Acoustique, Marseille, France.  
Experimental protocol setting, data acquisition and comparison with theoretical values

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## Languages

French	<b>Very Good</b>	<i>Mother tongue</i>
English	<b>Very Good</b>	<i>Fluent</i>
Spanish	<b>Very Good</b>	<i>Fluent</i>
German	<b>Very Good</b>	<i>Fluent</i>
Turkish	<b>Good</b>	<i>Fluent</i>
Italian	<b>Average</b>	<i>Conversation possible</i>
Catalan	<b>Average</b>	<i>Conversation possible</i>
Farsi	<b>Low</b>	<i>Basic conversations</i>
Basque	<b>Low</b>	<i>Beginner</i>

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## Computer skills

Languages	Python, Matlab, SQL	Other	GNU/Linux, Git, LaTeX, Cluster computing (Torque, Slurm)
Algebra computing	Maple, Sage		

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## Interests

Beekeeping	4 years of practice
Drawing	Travel sketches
Travels	United States, Philippines, Europe, South Africa, Middle East...