

Luc Guyot

R&D Engineer

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🌐 www.lucguyot.name

25 May 1976 - Married - 2 children



Experience

- Since January 2011 **Software Engineer**, *Biorob - Cyberbotics (EPFL-PSE)*, CH-Lausanne.
Research and Development for Webots Simulation Software (Professional Robotics Simulator).
- Real-time collision detection and fluid mechanics simulation
 - Tools for 3D navigation and physics interactions
 - Robots modeling and tools for robot control
- 2010 **Visitor Researcher**, *Max-Planck Institute of Mathematics*, Germany.
Infinitely presented groups and Nielsen equivalence
- 2009 **Post-doc Researcher in Mathematics**, *Göttingen University*, Germany.
Limits of Baumslag Solitar groups, fractal groups
- 2008 **Post-doc Researcher in Mathematics**, *University of Grenoble*, France.
Solvable groups parametrized by algebraic numbers

Education

- 2007 **Ph.D of Mathematics**, *University of Geneva*, Switzerland.
Geometric Group Theory, "The space of groups: isolated points, limits and dimensions"
- 2002 **DEA in Mathematics**, *University of Marseille*, France.
- 2001 **"Agrégation de Mathématiques"**, *University of Marseille*, France.
- 2000 **Master of Mathematics**, *University of Marseille*, France.

Computer skills

Methodology	OO heuristics, Design patterns	Languages	C/C++, Matlab
Libraries	Qt, ODE, Ogre3D	OS	Linux, MacOSX, Windows
Tools	Git, SVN, Blender, Gimp, L ^A T _E X		

Selected Publications

- 2014 **Rich Periodic Motor Skills on Humanoid Robots: Riding the Pedal Racer**, *ICRA 2014*, Andrej Gams et al.
- 2013 **Infinite presentability of groups and condensation**, *JIMJ*, with Robert Bieri, Yves de Cornulier and Ralph Strebel.
- Full list available on www.lucguyot.name.**

Languages

French	Native
English	Fluent