



# Mickaël Dardailon

## Education

- 2014 **Doctorate degree**, *INSA Lyon*, Computer Science.  
Models of Computation, Compilation, Telecommunications and Embedded Systems.
- 2011 **Master degree**, *Université d'Orléans*, Electrical Engineering.  
Electronics, Signal Processing and Microsystems.
- 2011 **Engineer degree**, *Polytech'Orléans*, Electrical Engineering.  
Electronics, Signal and Image Processing.

## Experience

- 2015–2017 **Staff Software Engineer**, *National Instruments*, Austin, Texas.  
Models of Computation and High-Level Synthesis.
- 2014–2015 **Research Intern**, *Nokia Technologies*, Berkeley, California.  
Implementation of LTE-Advanced Protocol on FPGA and Manycores.
- 2011–2014 **PhD Student**, *CITI-Inria, INSA Lyon & CEA, LETI*, Lyon & Grenoble, France.  
Compilation for Parametric Dataflow Targeting MPSoC.
- 2011 **Research Intern**, *CITI-Inria, INSA Lyon*, Lyon, France.  
Implementation of Cryptographic Primitives on Wireless Sensor Node.

## Teaching

- Undergraduate **Architecture, Algorithmic and Databases.** *Lab teaching and examination design*
- Elementary **First Lego League Robotics.** *Team coaching*

## Technical Skills

- Hardware **Design and Implementation.** *FPGA architecture development*
- Compilation **Dataflow Model of Computation.** *Theory and implementation*
- Network **CAN, SPI, 802.15.4, LTE-Advanced.** *PHY layer development*
- Applications **Software Defined Radio, Digital Signal Processing.**

## Soft Skills

- Collaboration **Teamwork and Communication.** *Work within local and international teams*
- Organization **Planning and Prioritization.** *Feature research, design and implementation*

## Publications

### Thesis manuscript

2014 **DardaillonThesis14**

### Journal

2016 **DardaillonTaco16**

### Book chapter

2014 **DardaillonIgi14**

### International conferences

2015 **DardaillonIcccs15**

2014 **DardaillonCases14**

2012 **DardaillonReconfig12**

**DardaillonIwcmc12**

### National conference and seminar

2015 **DardaillonDreams15**

2014 **DardaillonCompas14**