



# Intern Request Form

Unique ID# F0003

Company Name	Position Title	Internship Location
Inria	Research Intern	<b>City:</b> villeneuve d'Ascq <b>Country:</b> France
Internship Term (select one)	# of Positions Available	Language Requirements
<input type="checkbox"/> Summer 2018		
<input checked="" type="checkbox"/> Fall 2018	1	English
Company Contact Name	Contact Email/Phone	Company Address
Nathalie Mitton		Inria, 40 avenue Halley, 59650 Villeneuve d'Ascq, France
Internship Hours Select One:	Paid/Unpaid?	Compensation Amt. (Req'd for Full-Time)
<input type="checkbox"/> Part-time	paid	Around 500 euros per month with assistance for accommodation and participation for lunch
<input type="checkbox"/> Full-time		

## 1. About Us (Brief Summary of Your Company/Unit)

Inria, the French National Institute for computer science and applied mathematics, promotes “scientific excellence for technology transfer and society”. Graduates from the world’s top universities, Inria’s 2,700 employees rise to the challenges of digital sciences. With its open, agile model, Inria is able to explore original approaches with its partners in industry and academia and provide an efficient response to the multidisciplinary and application challenges of the digital transformation. Inria is the source of many innovations that add value and create jobs.

## 2. Internship Project Description - What goal would you like the intern to achieve? What challenge would you like him/her to solve? (summarize in 2–4 sentences)

The intern will be in charge to implement an adaptive multi channel MAC layer for wireless sensor networks issued from research results and to develop a proof-of-concept demonstrator on real hardware.

### **3. Responsibilities (In 4-10 bullet-points)**

- conduct an end-to-end development and experimental projects
  - realize a demonstrator
- prepare associated documentation and tutorials
- make a reflection on limitations of the final realization

### **4. Qualifications (In 3-5 bullet-points)**

- Development skills (such as python, C, java, JSON, databases), web and network technologies.
  - English spoken
  - Autonomous and Curious
  - Capacity to work in team
- Interest in research and internet of things

### **5. Benefits of Interning with Us (In 2-5 bullet-points)**

- Discover the research world
- Concretize a research project into a demonstrator
- Discover the hidden face of the Internet of things

### **6. Intern Supervisor (Name and Title of the person at your company who will be supervising the intern)**

Nathalie Mitton, Research Director and Team Leader  
<http://researchers.lille.inria.fr/~mitton/home.html>