

# LLUIS CARRERAS GONZALEZ



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## EDUCATION

- 2017- Currently studying a **MSC degree in DATA SCIENCE**  
Universitat Oberta de Catalunya (UOC)
- 2012- Currently studying a **BSc degree in COMPUTER SCIENCE**  
Universitat Oberta de Catalunya (UOC)
- 1998-2002 **BSc degree in ELECTRONICS ENGINEERING**  
Universitat Autònoma de Barcelona (UAB) 196.5 ECTS GPA = 3.38
- 1994-2000 **BSc degree in PHYSICS**  
Universitat Autònoma de Barcelona (UAB) 310.5 ECTS GPA = 3.26

## PUBLICATIONS

- F. Campabadal, J. Ll. Carreras, E. Cabruja  
**Flip-chip packaging of piezoresistive pressure sensors**  
*Sensors and Actuators A: Physical*, vol 132(1), pp. 415-419 (2006)
- F. Martín, F. Falcone, J. Bonache, T. Lopetegi, M.A.G. Laso, J.L. Carreras and M. Sorolla  
**New Electromagnetic Bandgap Nonlinear Coplanar Waveguide**  
*Microwave and Optical Technology Letters*, vol 37(6), pp. 397-400 (2003)
- F. Martín, J.L. Carreras, J. Bonache, F. Falcone, T. Lopetegi, M.A.G. Laso and M. Sorolla  
**Frequency Tuning in Electromagnetic Bandgap Nonlinear Transmission Lines**  
*Electronics Letters*, vol. 39(5), pp. 440-442 (2003)

## COMPUTER SKILLS

Python	R	Java	HTML	CSS	SQL	Django	PostgreSQL
Windows	LINUX	Machine Learning	Data Science				

## LANGUAGES

- **Spanish:** Mother language
- **Catalan:** Mother language
- **English:** Working language

**TOEFL (iBT):** Total: 99/120

Reading: 30/30 - Listening: 23/30 - Speaking: 22/30 - Writing: 24/30

## WORK EXPERIENCE

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- 2010- **Safety Engineer. Menorca airport:**
- Management of the Airport Emergency Plan (AEP) and Operational Safety.
  - Responsible for the training to all the airport working teams on the AEP.
  - Responsible for the organization and management of emergency drills.
  - Study and implementation of technical reports.
- 2017-2017 **Intern. Mabrian. Menorca:**
- Internship related to de BSc degree in Computer Science I'm currently studying.
  - Experience in: Python, Django, PostgreSQL, Bootstrap, HTML, CSS, Artificial Intelligence, Machine Learning, Linux.
- 2005-2010 **Air Traffic Safety Electronics Personnel (ATSEP). Menorca and Barcelona airports:**
- Maintenance and supervision of air traffic safety electronic systems.
- 2004-2004 **Researcher and Test Engineer. Venture Electronics. Barcelona:**
- Prototype testing of large-format printers.
  - Design and development of test procedures.
  - Test programming (TCL/TK, Visual Basic).
- 2001-2004 **Researcher and Lab Engineer. IMB-CNM (Microelectronics Institute of Barcelona):**
- Development of automated measure setups by means of TCL/TK instrumentation programming on LINUX.
  - Research on silicon piezoresistive sensors technology.
  - Design and development of circuit prototypes.
  - Development of measurement procedures and technical reports.
- 2001-2001 **Software Developer. Cap Gemini Ernst & Young. Barcelona:**
- Development and test of software applications for IT projects.
  - Programming in Java, Javascript and HTML.
  - Development of Java functions with thorough mathematical requirements.

## REFERENCES

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▪ **Prof. Dr. Ferran Martín Antolín**

Fellow IEEE

Full Professor of Electronics

ICREA Academia Researcher

Director of the Parc de Recerca UAB – Santander Technology Transfer Chair

Director of CIMITEC

Head of the GEMMA Group

Departament d'Enginyeria Electrònica

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▪ **Dr. Francesca Campabadal Segura**

Professor of Research

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