

Higher education degrees

- June 2001: **M.Sc. in Electrical Engineering**, Universitat Politècnica de Catalunya, Barcelona, Spain.
- December 2000: **M.Sc. in Electrical Engineering**, Politecnico di Torino, Turin, Italy.

Doctoral degree

- March 2004: **Ph.D. in Electrical Engineering, Area: Coding Theory**, Politecnico di Torino, Turin, Italy. European Doctorate Award.
Title of the thesis: “High-rate convolutional codes for high-speed concatenated codes applications: Design and efficient decoding”. Advisor: Prof. Sergio Benedetto.
Part of the Ph.D. (09/2001–05/2002) was pursued at the Center for Magnetic Recording Research, University of California San Diego (UCSD), CA, USA. Advisors: Jack K. Wolf and Paul. H. Siegel.

Qualifications as research fellow/associate professor

Swedish title of Docent expected by early 2012. Application already submitted, and reviewers contacted. I earned a similar title, named Tenure-track Lecturer Accreditation by The Quality Assurance Agency for the University System in Catalonia, which is required to qualify for an Assistant Professor (Tenure-track) position in Catalonia (it also applies to the rest of Spain).

Current position, period of appointment, share of time spent in research

- Since January 2011: **Assistant Professor (Forskarassistent)**, Chalmers University of Technology, Department of Signals and Systems. 80% time devoted to research.

Previous positions and periods of employment

- 10/2008–01/2011: **Associate Professor**, ENST Bretagne, Department of Electronics, Brest, France.
- 01/2007–12/2008: **Marie Curie Research Fellow**, ENST Bretagne, Department of Electronics, Brest, France.
- 01/2006–12/2006: **Research Fellow**, ENST Bretagne, Department of Electronics, Brest, France.
- 04/2004–12/2005: **Juan de la Cierva Research Fellow**, Universitat Pompeu Fabra, Department of Technology, Barcelona, Spain.
- 04/2004–12/2005: **Postdoc**, Politecnico di Torino, Department of Electronics, Turin, Italy.
- 01/2001–12/2003: **Research Consultant**, STMicroelectronics, Data Storage Division, Milan, Italy.

Supervised Ph.D. theses

- Dr. Amina Piemontese, ENST Bretagne/Università di Parma. (Main supervisor, with Prof. Giulio Colavolpe at Università di Parma). Ph.D. defended on March 28, 2011.
- Dr. Roua Youssef, ENST Bretagne. (Main supervisor). Ph.D. defended on April 5, 2011.
- Haïfa Farès, ENST Bretagne. (Main supervisor). Ph.D. defense, December 7, 2011.
- Nicolas Bitouzé, ENST Bretagne. (Main supervisor). Ph.D. started in October 2009.
- Behrooz Makki, Chalmers University of Technology. (Co-supervisor). Ph.D. started in November 2008.
- Christian Häger, Chalmers University of Technology. (Main supervisor). Ph.D. started in Sep. 2011.
- Nejla Mazouz, ENST Bretagne/Chalmers University of Technology. (Main supervisor, with Prof. Charlotte Langlais at ENST Bretagne). Ph.D. started in October 2011.

Honors and Awards

- 2010: **IEEE Communications Society “2010 Europe, Middle East & Africa Region Outstanding Young Researcher Award”**.
- 04/2010: Appointed **IEEE Senior Member**.
- 2007–2008: **Marie Curie Intra-European Fellowship** by the European Commission.
- 2004–2006: **Juan de la Cierva Research Fellowship** by the Spanish Ministry of Science.
- 2001–2004: **Ph.D. Fellowship** by the Italian Ministry of Instruction, Universities and Research, and by STMicroelectronics.

- 2000: **Leonardo da Vinci Fellowship** by the European Commission for the M.Sc. Thesis project at STMicroelectronics.
- 1999–2000: **Socrates-Erasmus Scholarship** by the European Commission for Double Degree studies at the Politecnico di Torino.

Conference and Journal activities

- **Associate Editor**, IEEE Transactions on Communications, since December 2011.
- **Associate Editor**, IEEE Communications Letters, since September 2010.
- **Associate Editor**, European Transactions on Telecommunications, since June 2011.
- **General Co-chair**, 7th International Symposium on Turbo Codes & Iterative Information Processing, ISTC'12, Gothenburg, Sweden, September 2012 (typical number of attendants is 160-180).
- **Organizing Committee Member (Conference Management)**, 6th International Symposium on Turbo Codes and Iterative Information Processing, ISTC'10, Brest, France, September 2010.
- **TPC Member**, IEEE Wireless Communications and Networking Conference 2011, 6th International Symposium on Turbo Codes and Iterative Information Processing 2010, IEEE Global Conference on Communications 2009, IEEE Information Theory Workshop 2009.

Research grants (2004–). (Selection)

- 2012-2015: A. Graell i Amat (**Personal Grant**), VR Project “Grant Junior Researchers”, funded by the Swedish Research Council. 3.28 MSEK, over four years.
Title: “Signal Recovery: Compressed Sensing meets Coding Theory”.
- 2011-2013: A. Graell i Amat, Charlotte Langlais (**Project leader in Sweden**) French-Swedish Research Mobility Programme Gustaf Dalén, funded by SSF and by Égide in the French side. 100kSEK (5k€ granted to the French research group), over two years.
Title: “Cooperative Communications with Side Information”.
- 2009-2012: A. Graell i Amat (**Personal Grant**), “Futures et Ruptures” project, funded by the Institut TELECOM. 111k€, over three years.
- 2008-2011: A. Graell i Amat, and G. Colavolpe at the University of Parma, Italy (**Project leader in France.**), Project funded by NEWTEC, Belgium. 150k€, over three years
Title: “Continuous Phase Modulation with user interference cancellation for satellite access networks”.
- 2008–2010: A. Graell i Amat (**Personal Grant**), “Joint channel and network coding for wireless networks”, funded by Pôle de Recherche Avancée en Communications (PRACOM). 100k€, over three years.
- 2007–2008: A. Graell i Amat (**Personal Grant**), “Marie Curie Intra-European Fellowship”, funded by the European Commission. 140k€, over two years.
- 2006–2007: A. Graell i Amat, and C. Douillard (**Project co-leader**), “Study of enhanced digital transmission techniques for broadband satellite digital transmissions (BSDT)”, funded by the European Space Agency. 70k€, over two years.
- 2004–2006: A. Graell i Amat (**Personal Grant**), “Juan de la Cierva Research Fellowship”, funded by the Spanish Ministry of Science. 100k€, over three years.

Other

- **Licentiate Thesis Opponent**, Royal Institute of Technology (KTH), Stockholm, Sweden, June 2010. Thesis: “On distributed coding for relay channels”. Student: Zhongwei Si. Advisors: Prof. Mikael Skoglund and Dr. Ragnar Thobaben.
- **Reviewer of scientific proposals of the call “DIMLSC - Réseaux de communication du futur” (Future Communication Networks) of the French Region “Région Ile-de-France” (Paris Region), 2010.** Typical budget for selected projects is 200k€.
- **Member of the Selection Committee**, CNRS Higher Education Excellence Chair “Communication theory and information theory” at ENSEA, University of Cergy-Pontoise/CNRS, 2010.
- **Invited talks in conferences:** Information Theory and Applications Workshop 2009, 2010, 2011, and 2012; Cooperative Coding and Related Information Theory Workshop 2012; European Wireless Conference 2010; ACoRN Coding & Information Theory Retreat 2009; ACoRN-NEWCOM Workshop on Coding, MIMO-OFDM, and Cooperative Communications 2008; ACoRN Australian-European Workshop on Modern Coding Techniques for Wireless Communications 2007.