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## Research interests

Microwaves

## Research interests

Metamaterials

## Qualifications

Ph. D., Doctor-PhD, Universitat Autònoma de Barcelona (UAB)  
Award Date: 1 Jan 2000

Degree, Llicenciat en Físiques, Universitat Autònoma de Barcelona (UAB)  
Award Date: 1 Jun 1994

## Research outputs

### **Design and fabrication of an opto-mechanical antenna in the NIR range**

Khosh Maram, D., Borrisé, X., Garcia-Garcia, J., Ruiz, R., Cartoixà, X. & Abadal, G., Jun 2024, In: Micro and Nano Engineering. 23, 8 p., 100241.

### **Considerations for the Design and Implementation of Ambient RF Signal Rectifiers in the 2.45 GHz WiFi Band**

Garcia-Garcia, J. J., Aug 2022, In: Applied Sciences (Switzerland). 12, 15, 11 p., 7884.

### **Metamaterial impedance matching network for ambient rf-energy harvesting operating at 2.4 GHz and 5 GHz**

Coskuner, E. & Garcia-Garcia, J. J., 2 May 2021, In: Electronics (Switzerland). 10, 10, 1196.

### **Experimental Floating Electrode Electric Curtain Evaluation to Contain Airborne Particles Resulting From the Paper Industrial Manipulation**

Garcia Garcia, J. J., 9 Sept 2020, In: IEEE Access. 8, p. 164114-164119 6 p., 10.1109/ACCESS.2020.3022929.

### **Enhanced RF Harvesting System by the Utilization of Resonant Cavities**

De Arriba, G. M., Coskuner, E. & Garcia-Garcia, J. J., 12 Sept 2018, 3 p. Institute of Electrical and Electronics Engineers Inc.

### **Multimode ultra-wideband filters by using a grounded open ring resonator**

Moradi, B., Martinez-Iranzo, U. & Garcia-Garcia, J., 1 Aug 2016, In: Microwave and Optical Technology Letters. 58, 8, p. 2001-2004

### **Open ring resonator structure for compact chipless RFID tags**

Martinez-Iranzo, U., Moradi, B. & Garcia-Garcia, J., 24 Jul 2015, Institute of Electrical and Electronics Engineers Inc.

### **Ultra-wideband bandpass filter based on coupled electromagnetic band gap structure**

Martinez Iranzo, U., Moradi, B. & Garcia Garcia, J. J., 1 Jan 2015, In: Microwave and Optical Technology Letters. 57, 12, p. 2857-2859

### **Miniaturization of microwave resonant particles by the utilization of embedded high dielectric constant paste**

Martinez-Iranzo, U., Moradi, B., Garcia-Garcia, J., Arasa, E. & Alonso, J., 15 Dec 2014, In: European Microwave Week 2014: Connecting the Future, EuMW 2014 - Conference Proceedings; EuMC 2014: 44th European Microwave

Conference. p. 1214-1217 4 p.

#### **Miniaturized Resonators based on Embedded Dielectric Resonators**

Martínez-Iranzo, Ú., Moradi, B., Ymborn, O., Martínez, C., Alonso, J. & García-García, J., 1 Jan 2014, In: Electronic Letters. p. -

#### **Additional cross coupling coefficient used as matching ladder network in coupled based band pass filters**

Moradi, B., Martínez, U. & García-García, J. J., 2014, In: Progress in Electromagnetics Research Symposium. p. 2537-2540 4 p.

#### **Design of passive filters using dual-mode embedded dielectric resonator**

Martínez-Iranzo, U., Moradi, B. & García-García, J., 2014, In: Conference Proceedings - 10th Conference on Ph. D. Research in Microelectronics and Electronics, PRIME 2014.

#### **Microstrip diplexer design using three EBG**

Martínez-Iranzo, U., Moradi, B., Arasa, E., Alonso, J. & García-García, J., 2014, In: Progress in Electromagnetics Research Symposium. p. 2525-2528 4 p.

#### **New approach to electronic band gap filtering structures combining microstrip and dielectric resonators**

Moradi, B., Martínez-Iranzo, U., Ymborn, O., Martínez, C., Alonso, J. & García-García, J., 2013, In: Asia-Pacific Microwave Conference Proceedings, APMC. p. 417-419 3 p.

#### **Design, fabrication and characterization of microreactors for high temperature syntheses**

Martínez-Cisneros, C. S., Gómez de Pedro, S., Puyol, M., García-García, J. & Alonso-Chamarro, J., 15 Nov 2012, In: Chemical Engineering Journal. 211-212, p. 432-441

#### **Detection and characterization of the spatial inhibition potential in electroperforated sheet materials**

Miranda, E., Garzón, C., Martínez-Cisneros, C. S., Alonso, J. & García-García, J., 1 Jun 2012, In: Journal of Electrostatics. 70, p. 264-268

#### **Effect of the electric discharge confinement on the perforation density of porous materials**

Garzon, C., Miranda, E., Martínez-Cisneros, C. S., Alonso, J. A. & García-García, J., 1 Nov 2011, In: IEEE Transactions on Industry Applications. 47, 6, p. 2367-2373 7 p., 6022772.

#### **Effect of the Electric Discharge Confinement on the Perforation Density of Porous Materials**

García-García, J., Garzón, Miranda, E., Martínez-Cisneros, C. S. & Alonso, J., 1 Jan 2011, In: IEEE Transactions on Industry Applications or IEEE Industry Applications Magazine. p. -

#### **Analysis of electroperforated materials using the quadrat counts method**

Miranda, E., Garzón, C., Martínez-Cisneros, C., Alonso, J. & García-García, J., 2011, In: Journal of Physics: Conference Series. 301, 1, 012049.

#### **Industrial electrostatics perforation improvement by power controlled discharges**

Garzon, C., Miranda, E., Martínez, C., Alonso, J. & García-García, J., 2011

#### **Method for improving the electrostatics perforation pattern using power controlled discharges**

Garzón, C., Miranda, E., Martínez-Cisneros, C., Alonso, J. & García-García, J., 2011, In: Journal of Physics: Conference Series. 301, 1, 012016.

#### **Porosity enhancement by the utilization of screening patterns in electro-perforated paper webs**

García-García, J., Miranda, E., Martínez-Cisneros, C. S., Alonso, J., Viladoms, L. & de Mariscal, P., 1 Apr 2010, In: Journal of Electrostatics. 68, 2, p. 196-199 4 p.

### **Application of Electromagnetic Band Gaps to Microwave Circuit Design**

Bonache, J., Falcone, F., García-García, J., Martín, F. & Capolino, F. (Editor), 1 Jan 2009, *Metamaterials Handbook: Applications of Metamaterials*. 1 ed. Boca Raton (US), Vol. 1. p. 1-21 20 p.

### **Strategies for the miniaturization of metamaterial resonators**

Aznar, F., García-García, J., Gil, M., Bonache, J. & Martín, F., 1 May 2008, In: *Microwave and Optical Technology Letters*. 50, p. 1263-1270

### **Compact microstrip band-pass filters based on semi-lumped resonators**

Bonache, J., Gil, I., García-García, J. & Martín, F., 10 Aug 2007, In: *IET Microwaves, Antennas and Propagation*. 1, p. 932-936

### **Metamaterial transmission lines based on broad-side coupled spiral resonators**

Aznar, F., Gil, M., Bonache, J., García-García, J. & Martín, F., 7 May 2007, In: *Electronics Letters*. 43, p. 530-532

### **Broadband resonant-type metamaterial transmission lines**

Gil, M., Bonache, J., Selga, J., García-García, J. & Martín, F., 1 Feb 2007, In: *IEEE Microwave and Wireless Components Letters*. 17, p. 97-99

### **Forward and backward leaky wave radiation in split-ring-resonator-based metamaterials**

Arnedo, I., Illescas, J., Flores, M., Lopetegui, T., Laso, M. A. G., Falcone, F., Bonache, J., García-García, J., Martín, F., Marcotegui, J. A., Marqués, R. & Sorolla, M., 1 Feb 2007, In: *IET Microwaves, Antennas and Propagation*. 1, 1, p. 65-68 4 p.

### **Miniaturisation of planar microwave circuits by using resonant-type left-handed transmission lines**

Gil, M., Bonache, J., Gil, I., García-García, J. & Martín, F., 1 Feb 2007, In: *IET Microwaves, Antennas and Propagation*. 1, 1, p. 73-79

### **Compact Rat-race Hybrid Based on Complementary Split Rings Resonators.**

Siso, G., Bonache, J., Gil, M., Gil, I., García-García, J. & Martín, F., 1 Jan 2007, In: *PIERS online*. 3, 3, p. 248-250

### **Composite Right/Left-Handed Metamaterial Transmission Lines Based on Complementary Split-Rings Resonators and Their Applications to Very Wideband and Compact Filter Design**

Gil, M., Bonache, J., García-García, J., Martel, J. & Martín, F., 1 Jan 2007, In: *IEEE Transactions on Microwave Theory and Techniques*. 55(2), 6, p. 1296-1304

### **High-pass Filters Implemented by Composite Right/Left Handed (CRLH) Transmission Lines Based on Complementary Split Rings Resonators (CSRRs)**

Gil, M., Bonache, J., Selga, J., García-García, J. & Martín, F., 1 Jan 2007, In: *PIERS online*. 3, 3, p. 251-253

### **Size Reduction of SRRs for Metamaterial and Left Handed Media Design**

García-García, J., Aznar, F., Gil, M., Bonache, J. & Martín, F., 1 Jan 2007, In: *PIERS online*. 3, 3, p. 266-269

### **Miniaturization and optimization of planar microwave filters based on metamaterials**

García-García, J., Vendik, I. B., Sans, B., Kholodnyak, D., Kapitanova, P., Bonache, J. & Martín, F., 2007, In: *Proceedings of the 37th European Microwave Conference, EUMC*. p. 500-503 4 p.

### **New left handed microstrip lines with Complementary Split Rings Resonators (CSRRs) etched in the signal strip**

Gil, M., Bonache, J., García-García, J. & Martín, F., 2007

### **Application of electromagnetic bandgaps to the design of ultra-wide bandpass filters with good out-of-band performance**

García-García, J., Bonache, J. & Martín, F., 1 Dec 2006, In: *IEEE Transactions on Microwave Theory and Techniques*. 54

**Accurate circuit analysis of resonant-type left handed transmission lines with inter-resonator coupling**

Gil, I., Bonache, J., Gil, M., García-García, J., Martín, F. & Marqués, R., 20 Oct 2006, In: Journal of Applied Physics. 100, 074908.

**Complementary Split Rings Resonators (CSRRs): towards the miniaturization of microwave device design**

Bonache, J., Gil, I., García-García, J. & Martín, F., 1 Jul 2006, In: Journal Computational Electronics. 5, 2-3, p. 193-197

**Miniaturized microstrip and CPW filters using coupled metamaterial resonators**

García-García, J., Bonache, J., Gil, I., Martín, F., Del Castillo Velázquez-Ahumada, M. & Martel, J., 1 Jun 2006, In: IEEE Transactions on Microwave Theory and Techniques. 54, p. 2628-2634

**Tunable metamaterial transmission lines based on varactor-loaded split-ring resonators**

Gil, I., Bonache, J., García-García, J. & Martín, F., 1 Jun 2006, In: IEEE Transactions on Microwave Theory and Techniques. 54, p. 2665-2674

**On the transmission properties of left-handed microstrip lines implemented by complementary split rings resonators**

Gil, M., Bonache, J., Gil, I., García-García, J. & Martín, F., 1 Mar 2006, In: International Journal of Numerical Modelling: Electronic Networks, Devices and Fields. 19, p. 87-103

**Left handed and right handed transmission properties of microstrip lines loaded with complementary split rings resonators**

Gil, I., Bonache, J., Gil, M., García-García, J. & Martín, F., 1 Jan 2006, In: Microwave and Optical Technology Letters. 48, p. 2508-2511

**Metamaterial transmission lines with extreme impedance values**

Gil, M., Gil, I., Bonache, J., García-García, J. & Martín, F., 1 Jan 2006, In: Microwave and Optical Technology Letters. 48, 12, p. 2499-2505

**Novel Microstrip Band Pass Filters Based on Complementary Split Rings Resonators**

Bonache, J., Gil, I., García-García, J. & Martín, F., 1 Jan 2006, In: IEEE Transactions on Microwave Theory and Techniques. 54, 1, p. 265-271

**On the electrical characteristics of complementary metamaterial resonators**

Bonache, J., Gil, M., Gil, I., García-García, J. & Martín, F., 1 Jan 2006, In: IEEE Microwave and Wireless Components Letters. 16, p. 543-545

**Left-handed and right-handed transmission properties of microstrip lines loaded with complementary split rings resonators**

Gil, I., Bonache, J., Gil, M., García-García, J. & Martín, F., 2006, In: Microwave and Optical Technology Letters.

**Modelling complementary-split-rings-resonator (CSRR) left-handed lines with inter-resonator's coupling**

Gil, I., Bonache, J., Gil, M., García-García, J., Martín, F. & Marques, R., 2006, In: CIRCUITS AND SYSTEMS FOR SIGNAL PROCESSING, INFORMATION AND COMMUNICATION TECHNOLOGIES, AND POWER SOURCES AND SYSTEMS, VOL 1 AND 2, PROCEEDINGS.

**Super compact (< 1cm(2)) band pass filters with wide bandwidth and high selectivity at C-band**

Bonache, J., Martel, J., Gil, I., Gil, M., García-García, J., Martín, F., Cairo, I. & Ikeda, M., 2006, In: European Microwave Conference, Vols 1-4.

**Application of complementary split-ring resonators to the design of compact narrow band-pass structures in microstrip technology**

Bonache, J., Martín, F., Falcone, F., Baena, J. D., Lopetegi, T., García-García, J., Laso, M. A. G., Gil, I., Marcotegui, A., Marqués, R. & Sorolla, M., 5 Sept 2005, In: Microwave and Optical Technology Letters. 46, p. 508-512

**Microstrip bandpass filters with wide bandwidth and compact dimensions**

Bonache, J., Martín, F., Gil, I., García-García, J., Marqués, R. & Sorolla, M., 20 Aug 2005, In: Microwave and Optical Technology Letters. 46, p. 343-346

**Ultra wide band pass filters (UWBPF) based on complementary split rings resonators**

Bonache, J., Martín, F., García-García, J., Gil, I., Marqués, R. & Sorolla, M., 5 Aug 2005, In: Microwave and Optical Technology Letters. 46, p. 283-286

**On the resonances and polarizabilities of split ring resonators**

García-García, J., Martín, F., Baena, J. D., Marqués, R. & Jelinek, L., 1 Aug 2005, In: Journal of Applied Physics. 98, 033103.

**Complementary split ring resonators for microstrip diplexer design**

Bonache, J., Gil, I., García-García, J. & Martín, F., 7 Jul 2005, In: Electronics Letters. 41, p. 810-811

**Compact coplanar waveguide band-pass filter at the s-band**

Bonache, J., Martín, F., Falcone, F., García-García, J., Gil, I., Lopetegi, T., Laso, M. A. G., Marqués, R., Medina, F. & Sorolla, M., 5 Jul 2005, In: Microwave and Optical Technology Letters. 46, p. 33-35

**Complementary split-ring resonator for compact waveguide filter design**

Ortiz, N., Baena, J. D., Beruete, M., Falcone, F., Laso, M. A. G., Lopetegi, T., Marqués, R., Martín, F., García-García, J. & Sorolla, M., 5 Jul 2005, In: Microwave and Optical Technology Letters. 46, p. 88-92

**Application of active electromagnetic bandgaps to the design of tunable resonators in CPW technology**

Gil, I., Bonache, J., García-García, J. & Martín, F., 5 May 2005, In: Microwave and Optical Technology Letters. 45, p. 229-232

**Equivalent-circuit models for split-ring resonators and complementary split-ring resonators coupled to planar transmission lines**

Baena, J. D., Bonache, J., Martín, F., Sillero, R. M., Falcone, F., Lopetegi, T., Laso, M. A. G., García-García, J., Gil, I., Portillo, M. F. & Sorolla, M., 1 Apr 2005, In: IEEE Transactions on Microwave Theory and Techniques. 53, p. 1451-1460

**Comparison of electromagnetic band gap and split-ring resonator microstrip lines as stop band structures**

García-García, J., Bonache, J., Gil, I., Martín, F., Marqués, R., Falcone, F., Lopetegi, T., Laso, M. A. G. & Sorolla, M., 20 Feb 2005, In: Microwave and Optical Technology Letters. 44, p. 376-379

**Ab initio analysis of frequency selective surfaces based on conventional and complementary split ring resonators**

Marqués, R., Baena, J. D., Beruete, M., Falcone, F., Lopetegi, T., Sorolla, M., Martín, F. & Garcia, J., 1 Feb 2005, In: Journal of Optics A: Pure and Applied Optics. 7

**Band pass filters for ultra wideband systems**

Bonache, J., Gil, I., García-García, J., Martín, F., Marqués, R. & Sorolla, M., 1 Jan 2005, In: Digest - IEEE Antennas and Propagation Society. International Symposium (1995). 2 A, 1551892, p. 639-642

**Metamaterials in microstrip technology for filter applications**

Gil, I., Bonache, J., García-García, J., Falcone, F. & Martín, F., 1 Jan 2005, In: Digest - IEEE Antennas and Propagation Society. International Symposium (1995). 1 A, 1551409, p. 668-671

**Microwave Filters with Improved Stopband based on Sub-wavelength Resonators**

García-García, J., Martín, F., Falcone, F., Bonache, J., Gil, I., Amat, E., Lopetegi, T., Laso, M. A. G., Iturmendi, J. A. M., Sorolla, M. & Marqués, R., 1 Jan 2005, In: IEEE Transactions on Microwave Theory and Techniques. 53, 6, p. 1997-2006

**Special material and metamaterial for electromagnetic applications and TLC. Application of metamaterials to the design of planar microwave filters**

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**Varactor-loaded split ring resonators for tunable notch filters at microwave frequencies**

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**Optimization of micromachined reflex klystrons for operation at terahertz frequencies**

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**Stop-band and band-pass characteristics in coplanar waveguides coupled to spiral resonators**

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**Spurious passband suppression in microstrip coupled line band pass filters by means of split ring resonators**

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**Stepped-impedance lowpass filters with spurious passband suppression**

García-García, J., Bonache, J., Falcone, F., Baena, J. D., Martín, F., Gil, I., Lopetegui, T., Laso, M. A. G., Marcotegui, A., Marqués, R. & Sorolla, M., 8 Jul 2004, In: Electronics Letters. 40, p. 881-883

**Metamaterial configurations in coplanar waveguide technology**

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**Metamaterial microstrip backward couplers for fully planar fabrication techniques**

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**Spurious pass band suppression in microwave filters by means of sub-wavelength resonant structures**

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**Subwavelength hole arrays, and split ring resonators based metasurfaces for frequency selective surfaces**

Beruete, M., Baena, J., Falcone, F., Campillo, I., Dolado, J., Lopetegui, T., Laso, M., Bonache, J., Garcia-Garcia, J., Marcotegui, A., Martín, F., Marques, R. & Sorolla, M., 2004, In: Conference Digest of the Joint International Conference on Infrared and Millimeter Waves and International Conference on Terahertz Electronics.

**Parametric analysis of micromachined reflex klystrons for operation at millimeter and submillimeter wavelengths**

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**Comparison of distributed and lumped element models for analysis of filtering properties of nonlinear transmission lines**

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**A comparison of different approaches for the simulation of nonlinear transmission lines**

Fernández, M., Martín, F., Steenson, P., Mélique, X., Oistein, A., Oriols, X., Vanbésien, O., García-García, J., Miles, R. & Lippens, D., 20 Apr 2002, In: Microwave and Optical Technology Letters. 33, p. 134-136

**Optimization of nonlinear transmission lines for harmonic generation: The role of the capacitance-voltage characteristic and the area effect**

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**Development of a submillimeter wave reflex klystron**

García García, J. J., 2002, In: THZ 2002: IEEE TENTH INTERNATIONAL CONFERENCE ON TERAHERTZ ELECTRONICS PROCEEDINGS.

**Simulation of multilayered resonant tunneling diodes using coupled Wigner and Boltzmann distribution function approaches**

García-García, J. & Martín, F., 20 Nov 2000, In: Applied physics letters. 77, p. 3412-3414

**Towards the Monte Carlo simulation of resonant tunnelling diodes using time-dependent wavepackets and Bohm trajectories**

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**Coupling between the Liouville equation and a classical Monte Carlo solver for the simulation of electron transport in resonant tunneling diodes**

Martín, F., García-García, J., Oriols, X. & Suñé, J., 1 Jan 1999, In: Solid-State Electronics. 43, p. 315-323

**Quantum simulation of resonant tunneling diodes: a reliable approach based on the Wigner function method.**

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**Bohm trajectories for the Monte Carlo simulation of quantum-based devices**

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**Effects of spacer layers on the Wigner function simulation of resonant tunneling diodes**

García-García, J. J., Oriols, X., Martín, F. & Suñé, J., 15 Jun 1998, In: Journal of Applied Physics. 83, p. 8057-8061

**Extended Abstract of the International Conference on Solid State Devices and Materials. "A New Approach to study Dynamic and Static Properties in Resonant Tunneling Diodes". Extended Abstract of the International Conference on Solid State Devices and Materials.**

García, J., Martín, F., Oriols, X., Suñé, J. & Physics, J. S. O. A. (Editor), Jun 1998, Japó (JP). 2 p.

**Extended abstracts of the 1998 International Conference on Solid State Devices and Materials (SSDM'98). "A new approach for the reliable simulation of resonant tunneling diodes". -**

García, J., Martín, F. & Suñé, J., Jun 1998, Hiroshima (JP). 1 p.

**Quantum Monte Carlo Simulation of Tunneling Devices Using Bohm Trajectories**

Oriols, X., García-García, J. J., Martín, F., Suñé, J., González, T., Mateos, J. & Pardo, D., 1 Nov 1997, In: Physica Status Solidi (B) Basic Research. 204, 1, p. 404-407

**Bohm trajectories for the modelling of tunneling devices: Abstracts of the 10th Conference Insulating Films on Semiconductor (INFOS)**

Suñé, J., Oriols, X., García, J., Martín, F. & Bengtsson, O. E. A. S. (Editor), Jul 1997, - (SE). 1 p.

**Quantum Monte Carlo simulation of tunneling devices using Bohm trajectories. Nonequilibrium carrier dynamics in semiconductors (HCIS-10)**

Oriols, X., García, J., Martín, F., Suñé, J., González, T., Mateos, J., Pardo, D. & Vogl, P. (Editor), Jul 1997, - (DE). 1 p.

**Quantum monte carlo simulation of tunneling devices using bohm trajectories. International Conference on nonequilibrium carrier dynamics in semiconductors (HCIS 10)**

Oriols, X., Garcia, J., Martín, F., Suñé, J., Gonzalez, T., Mateos, J., Pardo, D. & Vögl, P. (Editor), Jul 1997, - (DE). 1 p.

**Transient analysis of resonant tunneling diodes in self consistent Wigner distribution formalism. III-V Semiconductor device simulation workshop.**

Garcia, J., Oriols, X., Martin, F. & Suñé, J., Jul 1997, - (IT). 1 p.

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García, J., Oriols, X., Martín, F. & Suñé, J., Jul 1997, - (IT). 1 p.

**Transient analysis of resonant tunneling diodes in the self consistent Wigner distribution formalism. Proceeding of the II-V Semiconductor Devices Simulation Workshop**

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**Bohm trajectories for the modeling of tunneling devices**

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**Comparison between the relaxation time approximation and the Boltzmann collision operator for simulation of dissipative electron transport in resonant tunnelling diodes**

García-García, J., Oriols, X., Martín, F. & Suñé, J., 1 Dec 1996, In: Solid-State Electronics. 39, p. 1795-1804

## Prizes

**Premi Duran Farell d'Investigació Tecnològica 2006**

Garcia Garcia, J. J. (Recipient), 2006

## Awards

**ELECTRON DEVICES AT THE FRONTIER BETWEEN ELECTRONICS AND ELECTROMAGNETISM: 2DFETS, RTDS AND RECTENNAS**

Cartoixa Soler, X. (Principal Investigator), Oriols Pladevall, X. (Principal Investigator 2), Abadal Berini, G. (Investigator), Jimenez Jimenez, D. (Investigator), Garcia Garcia, J. J. (Investigator), Feijoo Guerra, P. C. (Collaborator), Pasadas Cantos, F. (Collaborator), Mavredakis, N. (Collaborator), Pacheco Sanchez, A. U. (Collaborator), Ruiz Lobato, R. (Collaborator), Khoshmaram, D. (Collaborator), Villani, M. (Collaborator) & Seoane Martinez, J. J. (Collaborator)  
1/09/22 → 31/08/25

## Student theses

**Simulación Monte Carlo cuántica de diodos túnel resonante en el formalismo de la función de distribución de Wigner**

Garcia Garcia, J. J. (Author), Martín Antolín, J. F. (Director), 28 Jan 2000