

# Curriculum Vitae

Josep Domingo-Ferrer

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## 0 Personal data

**Name** Josep Domingo-Ferrer

**Birthdate** July 26, 1965

**Birthplace** Sabadell (Barcelona), Catalonia

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**Academic rank** Full Professor of Computer Science (“Catedràtic d’Universitat”), Rovira i Virgili University (since July 2003)

**Current positions** Head of Department, Dept. of Computer Engineering and Maths; Chairholder (UNESCO Chair in Data Privacy); ICREA Acadèmia Research Professor

**Email:** josep.domingo (at) urv.cat

**Web page:** <http://crises-deim.urv.cat/jdomingo>

**Number of research ”sexenios”:** 3 (1989-1994, 1995-2000 and 2001-2006)

## 1 Research indicators: publications, projects, theses

- **Awards:** 10
- **Ph. D. Theses advised:** 12 (completed)
- **Projects and contracts:**
  - **European competitive R+D projects:** 8 (1 as co-ordinator, 6 as principal researcher at URV)
  - **U.S. R+D projects:** 2 (leader)
  - **Chinese projects:** 1
  - **Catalan/Spanish competitive R+D projects:** 27 (1 CONSOLIDER as co-ordinator, 5 as co-ordinator, 23 as principal investigator)
  - **Technology transfer contracts:** 29 (26 as principal researcher)
- **Patents:** 3 (one international, two exploited)

- **Total number of publications:** 252
  - **Books as editor:** 14 (11 international)
  - **Edited journal special issues:** 5 (all ISI JCR journals)
  - **Books as author:** 5
  - **Articles in ISI JCR journals:** 85
  - **Articles in non-ISI JCR Lecture Notes in Computer Science:** 17
  - **Articles in non-ISI JCR journals:** 18
  - **Book chapters and *proceedings* with ISBN:** 108
- **Highly cited papers according to ISI ESI:** 1 (in early 2005)
- **CiteSeer citation ranking (August 2006):** 8523 (within the world's top 10000 cited authors out of 790329 total authors in Computer Science, <http://citeseer.ist.psu.edu/allcited.html>)
- **CiteSeer citation ranking normalized by publication year (August 2006):** 2022 (within the world's top 10000 cited authors out of 790329 total authors in Computer Science, <http://citeseer.ist.psu.edu/allcitedn.html>)
- **H index (Google Scholar, Jul. 24, 2010):** 26
- **G index (Google Scholar, Jul. 24, 2010):** 42
- **Journal chief editorships:** 1 (international)
- **Journal associate editorships:** 5 (all international, 2 ISI JCR)
- **Conference general or program chairs:** 10 (9 international)
- **Program committee memberships:** 105 (of which 95 international)

## 2 Education

1. Ph. D. in Computer Science (1991), Autonomous University of Barcelona. Grade: A *cum laude*.
2. M. Sc. in Computer Science (1988), Autonomous University of Barcelona. Outstanding Graduation Award.
3. M. Sc. in Mathematics (1995), U.N.E.D., Madrid.

### 3 Languages

1. Catalan. Mother tongue.
2. Spanish.
3. English. TOEFL 613 (Feb. 1990).
4. French. Certificat d'Aptitud (highest possible level). Escola Oficial d'Idiomes de Barcelona (1984).
5. German. Zentrale Mittelstufenprüfung. Goethe Institut (1988).
6. Latin. Good reading and basic writing.

### 4 Awards

1. Recipient of the ICREA Acadèmia Prize (ICREA, Generalitat de Catalunya, 2008 Call) for outstanding work and leadership in research. There were 40 prizes and 350 applicants among all faculty members of public universities in Catalonia. As this was the first call of the Prize, getting it means ranking among the 40 leading faculty members in Catalonia as far as research is concerned.
2. Co-recipient of the Second Prize to the Best Business Idea, 7è Concurs Idees de Negoci-7th Competition Business Ideas (CIDEM, Generalitat de Catalunya, 6 March 2008).
3. Co-recipient of the Prize "FemEmpresa'2007" (sponsored by Caixa Tarragona, 2007).
4. Co-recipient of the Prize to the Best Entrepreneurial Initiative (Tarraco Young Enterprise 2006 competition sponsored by the Municipality of Tarragona, 2007).
5. Co-recipient of the Prize to the Best Enterprise Creation Project (IV Reus Awards to Enterprise Creation, sponsored by the European Union, Government of Catalonia, Municipality of Reus, Reus Chamber of Commerce, CEPTA and REDESSA, 2007).
6. Co-ordinator of an inter-university research team on security and privacy selected as one of Spain's best 34 research teams in all areas (CONSOLIDER-INGENIO 2010 Call, Year 2007, Spain's Ministry of Science and Innovation, <http://www.mec.es/ciencia/jsp/plantilla.jsp?area=consolider&id=7>). Prof. Domingo-Ferrer was the youngest co-ordinator of a selected team.

7. Author of a “Highly Cited Paper” according to ISI Essential Science Indicators (top 1% cited in Computer Science in the period 1994-2004). Paper: J. Domingo-Ferrer and J. M. Mateo-Sanz, “Practical data-oriented microaggregation for statistical disclosure control”, *IEEE Transactions on Knowledge and Data Engineering*, vol. 14, no. 1, pp. 189-201, Feb. 2002.
8. TOYP-Catalonia’2004 Award (The Outstanding Young Persons of Catalonia) for academic achievement. Junior Chambers of Catalonia. 2004.
9. Co-recipient of the Award to the Most Outstanding Research, 8th Edition of the “Salvà i Campillo” Awards for the work “Protection of copyright and distribution rights in multimedia content” (authors: J. Domingo-Ferrer, M. Soriano, M. Fernández and F. Sebé). Association of Telecom Engineers of Catalonia. Barcelona, 2003.
10. Outstanding Graduation Award. Autonomous University of Barcelona. 1988.

## 5 Positions

### 5.1 Positions in Catalonia

1. From March 2007. Founder and Chairholder of the UNESCO Chair in Data Privacy. Chair establishment approved by UNESCO on March 6, 2007.
2. From July 2003. Full Professor of Computer Science. Universitat Rovira i Virgili, Dept. of Computer Engineering and Maths.
3. Nov. 1997-July 2003. Associate Professor of Computer Science. Universitat Rovira i Virgili, Dept. of Computer Engineering and Maths.
4. May 1995-Nov. 1997. Associate Professor of Statistics and Operations Research. Universitat Rovira i Virgili
5. Jan. 1994-May 1995. Tenure-track Associate Professor of Statistics and Operations Research. Universitat Rovira i Virgili.
6. Jan. 1992-Jan. 1994. Systems Analyst. University of Barcelona.
7. Apr. 1991-Jan. 1992. Communications Engineer. Supercomputing Center of Catalonia.
8. Jan. 1989-Apr. 1991. Doctoral Grantholder. Departament of Computer Science. Autonomous University of Barcelona.
9. Feb. 1988-Dec. 1988. Analyst-Programmer. Informàtica Municipal, S. A., Sabadell.

## 5.2 Visiting positions

1. Nov. 15, 2005-Dec. 15, 2005. Visiting Fellow (date appointed: Oct. 17, 2005). Katholieke Universiteit Leuven, Faculty of Engineering, Leuven, Belgium.
2. July 1, 2004-Oct. 1, 2004. Visiting Fellow (date appointed: Apr. 12, 2004). Princeton University, Dept. of Electrical Engineering, Princeton NJ, USA.
3. Sep. 1, 1990- Nov. 30, 1990. “Praktikant” hired by Siemens AG. Siemens AG, Zentralabteilung Forschung und Entwicklung, München, Germany.
4. June 1, 1990-Aug. 30, 1990. Visiting Scholar. University of Wisconsin, College of Engineering, Dept. of Electrical Engineering and Computer Science, Milwaukee WI, USA.

## 6 Ph. D. theses advised

1. Lei Zhang, *Research on Security and Privacy in Vehicular Ad Hoc Networks*. Universitat Rovira i Virgili, Doctoral Programme in Computer and Security Engineering. Date of public defense: July 5, 2010. Mark: A *cum laude*. Co-advisor with Qianhong Wu.
2. Alexandre Viejo Galicia, *Security and Privacy Issues in Some Special-Purpose Networks*. Universitat Rovira i Virgili, Doctoral Programme in Computer and Security Engineering. Date of public defense: Sep. 19, 2008. Mark: A *cum laude*. Co-advisor with Francesc Sebé.
3. Agustí Solanas Gómez, *Contributions to Privacy in Information Technologies*. Polytechnical University of Catalonia, Doctoral Programme in Telematics Engineering. Date of public defense: Sep. 17, 2007. Mark: A *cum laude*. Co-advisor with Josep M. Mateo-Sanz.
4. Jordi Castellà Roca, *Contributions to Mental Poker*. Universitat Autònoma de Barcelona, Doctoral Programme in Computer Science and Artificial Intelligence. Date of public defense: Sep. 5, 2005. Mark: A *cum laude*. Co-advisor with Francesc Sebé.
5. Antoni Martínez-Ballesté, *Pay-per-View of Streamed Multicast Content Delivery*. Technical University of Catalonia, Doctoral Programme in Telematics Engineering. Date of public defense: Oct. 14, 2004. Mark: A *cum laude*. Co-advisor with Miquel Soriano.
6. Àngel Torres Aragó, *Contributions to Microaggregation for Statistical Data Protection* (in Catalan) Technical University of Catalonia, Doctoral Programme in Statistics and Operations Research. Date of public defense: Sep. 8, 2003. Mark: A *cum laude*. Co-advisor with Josep M. Mateo-Sanz.

7. Marcel Fernandez Muñoz, *A Contribution to the Design and Efficient Decoding of Traceability Codes*. Technical University of Catalonia, Doctoral Programme in Telematics Engineering. Date of public defense: March 28, 2003. Mark: A *cum laude*. Co-advisor with Miquel Soriano.
8. Francesc Sebé Feixas, *Transparent Protection of Data*. Technical University of Catalonia, Doctoral Programme in Telematics Engineering. Date of public defense: Feb. 7, 2003. Mark: A *cum laude*. Single advisor.
9. Anna Oganian, *Security and Information Loss in Statistical Database Protection*. Technical University of Catalonia, Doctoral Programme in Applied Mathematics. Date of public defense: February 4, 2003. Mark: A *cum laude*. Single advisor.
10. Jordi Herrera-Joancomartí, *Secure Electronic Commerce of Multimedia Contents Over Open Networks*. Technical University of Catalonia, Doctoral Programme in Telematics Engineering. Date of public defense: June 16, 2000. Mark: A *cum laude*. Single advisor.
11. Ricardo X. Sánchez del Castillo, *Secure Delegation of Computing and Data in Unsafe Distributed Systems*. Technical University of Catalonia, Doctoral Programme in Computer Architecture. Date of public defense: Feb. 23, 1999. Mark: A *cum laude*. Single advisor.
12. Josep Maria Mateo-Sanz, *Contributions to Statistical Disclosure Control for Macrodata and Microdata* (in Catalan). Universitat de Barcelona, Faculty of Mathematics. Date of public defense: June 25, 1998. Mark: A *cum laude*. Single advisor.

## 7 Teaching and management activities

### 7.1 Master's and Bachelor's theses advised

1. Ivan Barenys, *Recuperació privada d'informació: estat de l'art i reptes oberts*. Universitat Rovira i Virgili, Master in Computer and Security Engineering, Research Work, Sep. 2007.
2. Daniel Olivares Ortega, *Diari de Tarragona. Edición digital últimas horas*. Universitat Rovira i Virgili, Bachelor in Computer Systems Engineering, Jun. 2004.
3. Carles Albert Vallvé Guionnet, *ButiNET: el joc de la botifarra per Internet*. Universitat Rovira i Virgili, Bachelor in Computer Systems Engineering, Sep. 2003.
4. Joaquim Camps Aragonès, *Avaluació del servei WWW sobre GPRS*. Universitat Rovira i Virgili, Master in Computer Engineering, June 2003.

5. Jordi Montornès Daura, *Supervisió remota del sistema de climatització i calefacció en edificis universitaris*. Universitat Rovira i Virgili, Master in Computer Engineering, Feb. 2003.
6. Eduard Moncusí Trull, *Sistema de submissió electrònica de documents*. Universitat Rovira i Virgili, Bachelor in Computer Systems Engineering, June 2002.
7. Antoni Martínez Ballesté, *Pay-per-view en vídeo streaming a Internet*. Universitat Rovira i Virgili, Master in Computer Engineering, Feb. 2002.
8. Carles Briansó Roselló, *Implementació del sistema de validació de certificats EFACT*. Universitat Rovira i Virgili, Bachelor in Computer Systems Engineering, Sep. 2001.
9. Joan Mo Torres, *Els certificats de curta durada poden eliminar eficientment les CRLs*. Universitat Rovira i Virgili, Master in Computer Engineering, June 2001.
10. Jacint Llambrich Montecino, *Certificació asíncrona a gran escala basada en arbres de verificació de certificats*. Universitat Rovira i Virgili, Master in Computer Engineering, June 2001.
11. Francesc Sebé Feixas, *Esquemes de protecció del copyright per a imatges digitals*. Universitat Rovira i Virgili, Master in Computer Engineering, Feb. 2001.
12. Marc Alba Miró, *Protecció del copyright en seqüències MPEG*. Universitat Rovira i Virgili, Master in Computer Engineering, Feb. 2001.
13. Jordi Montornès Daura, *Mètode de marcatge de so*. Universitat Rovira i Virgili, Bachelor in Computer Systems Engineering, Sep. 2000.
14. Xavier Iglesias Marca, *Desenvolupament d'una aplicació WWW per a la venda on-line de música*. Universitat Rovira i Virgili, Bachelor in Computer Programming, 2000.
15. Jordi Planes Cid, *Avaluació d'operacions d'agregació i mesures jeràrquiques en lògica difusa mitjançant algorismes genètics*. Universitat Rovira i Virgili, Master in Computer Engineering, Sep. 2000.
16. Jordi Castellà Roca, *Comparació de rendiment de Java Cards per a una aplicació d'e-comerç*. Universitat Rovira i Virgili, Master in Computer Engineering, Sep. 2000.
17. Francesc Capdevila Torrell, *Checklist of the birds of the world*. Universitat Rovira i Virgili, Bachelor in Computer Programming, June 2000.
18. Francisco Javier Martínez Molina, *Pagaments i micropagaments electrònics: un protocol basat en iKP*. Universitat Politècnica de Catalunya, Master in Computer Engineering, June 1999.

## 7.2 Subjects taught

- “Security and privacy issues for ICTs”, 10-hour course within the subject “Advanced mechanisms for network security” of the Master on Telematics Engineering, Technical University of Catalonia, Apr. 7 and 14, 2008.
- “Privacy and copyright protection”. Master in Computer and Security Engineering. Years 2006/2007, 2007/2008, 2008/2009 and 2009/2010.
- “E-Commerce”. Universitat Rovira i Virgili. Master in Computer and Security Engineering. Years 1998/1999, 1999/2000, 2000/2001, 2001/2002, 2002/2003, 2003/2004, 2004/2005, 2005/2006, 2006/2007, 2007/2008 and 2008/2009.
- “Cryptology”. Universitat Rovira i Virgili. Master in Computer and Security Engineering. Years 1997/1998, 1998/1999, 1999/2000, 2000/2001, 2001/2002, 2002/2003, 2003/2004, 2004/2005, 2005/2006, 2006/2007, 2007/2008, 2008/2009 and 2009/2010.
- “Abstract computational models”. Universitat Rovira i Virgili. Bachelor in Computer Systems Engineering. Year 2001/2002.
- “Computer Networks II”. Universitat Rovira i Virgili. Master in Computer Engineering. Years 1997/1998 and 1998/1999.
- “Computer Networks I”. Universitat Rovira i Virgili. 2n cicle d’Enginyeria Informàtica. Years 1997/1998 and 1998/1999.
- “Statistical and quality control techniques”. Universitat Rovira i Virgili. Chemical Engineering. Years 1996/1997 and 1997/1998.
- “Process simulation and optimization”. Universitat Rovira i Virgili. Master in Chemical Engineering and Master in Chemistry. Year 1995/1996.
- “Statistics”. Universitat Rovira i Virgili. Master in Business Administration (MBA). Years 1995/1996 and 1996/1997.
- “Operations research”. Universitat Rovira i Virgili. Master in Business Administration (MBA). Years 1995/1996 and 1996/1997.
- “Statistics and maintenance”. Universitat Rovira i Virgili. Bachelor in Industrial Engineering (profile Industrial Chemistry) Years 1995/1996 and 1996/1997.
- “Statistical design and analysis of experiments”. Universitat Rovira i Virgili. Doctoral Programme in Chemical Engineering. Years 1994/1995, 1995/1996 and 1996/1997.
- “Statistics”. Universitat Rovira i Virgili. Chemical Engineering. Years 1994/1995 and 1995/1996.

- “Applied Statistics”. Universitat Rovira i Virgili.
  - Bachelor in Industrial Engineering (profile Electronics). Years 1993/1994, 1994/1995 and 1996/1997.
  - Bachelor in Industrial Engineering (profile Electricity). Years 1993/1994 and 1994/1995.
  - Bachelor in Industrial Engineering (profile Industrial Chemistry). Year 1993/1994.

### 7.3 Management positions at the university

- From Feb. 17, 2006. Head of the Department of Computer Engineering and Mathematics, Universitat Rovira i Virgili.
- Mar. 21, 2002-Feb. 25, 2005. Dean of the School of Engineering, Universitat Rovira i Virgili.
- June 2002/May 2003. Member of the Bylaws Committee. Universitat Rovira i Virgili.
- From Jan. 2001. Member of the Committee for Research. Universitat Rovira i Virgili.
- Apr. 1, 1999/Mar. 21, 2002. Vicedean of the School of Engineering, Universitat Rovira i Virgili.
- May 1999/Oct. 2000. Member of the Committee for Doctoral Studies. Universitat Rovira i Virgili.
- Since May 1998. Membre of the General Assembly. Universitat Rovira i Virgili.
- Oct. 1995/June 1996. Quality Director of the Master of Business Administration (MBA). Universitat Rovira i Virgili.

## 8 Competitively funded research projects

### 8.1 European projects

- “DwB: Data without Boundaries”, Integrated Project, 7th Framework Programme, Proposal no. 262608 (under negotiation). 2010/2014. Principal researcher at URV.

- “ESSNet-SDC: A Network of Excellence in the European Statistical System in the field of Statistical Disclosure Control” (European Commission, grant agreement no. 25200.2005.003-2007.670). 2007/2008. Principal researcher at URV.
- “CENEX-SDC: Centre of Excellence on Statistical Disclosure Control” (European Commission). 2006. Principal researcher at URV. <http://neon.vb.cbs.nl/cenex>
- “RESET: Roadmaps for European research on Smartcard Technologies” (EU FP5 FP thematic network, IST-2001-37936). 2002/2003. Principal researcher at URV.
- “CO-ORTHOGONAL: Co-Orthogonal Codes in Cryptography, Data Security, Watermarking and Entity Authentication” (EU FP5, IST-2001-32012). 2001/2002. *Co-ordinator* of the whole project.
- “CASC: Computational Aspects of Statistical Confidentiality” (EU FP5, IST-2000-25069). 2001/2004. Principal researcher at URV and steering committee member.
- “AMRADS: Accompanying Measure for R&D in Statistics” (EU FP5, IST-2000-26125). 2001/2003. Principal researcher at URV.
- “TIMI: Techniques for Integrity Mechanisms in IBC” (EC FP2, RACE 1047). 1990/1992. Researcher, Siemens AG, Germany.

## 8.2 U.S. projects

- “Research Data Center-based Confidentiality Research”, (Cornell University, contract no. 47632-10043. Oct. 1, 2004/Sep. 30, 2005. Principal researcher.
- “OTTILIE- $\mathbb{R}$ : Optimizing the Tradeoff between Information Loss and disclosure risk for continuous microdata” (U. S. Bureau of the Census, contract no. OBLIG-2000-29158-0-0). 2000/2001. Principal researcher.

## 8.3 Chinese projects

- “Cryptographic techniques for conciliating security conflicts in VANETs” (Natural Science Foundation of China, no. 61003214). 2011-2013. Member of the research team.

## 8.4 Spanish projects

- “Audit Transparency Voting Process”, Spanish Ministry of Industry, Tourism and Commerce, INNPACTO Program. Ref. no. PT-430000-2010-31. 2010-2012. Total budget: 1850238.75 Euros URV budget: 212422 Euros. Team member.
- “SECloud: Investigación y desarrollo de una plataforma SEgura para aplicaciones Cloud computing”. Spanish Ministry of Industry, Tourism and Commerce, AVANZA (Acción Estratégica de Telecomunicaciones y Sociedad de la Información). Ref. no. TSI-020302-2010-153. Budget: 522638 Euros. Team member.
- “eVerification: Verificación electrónica para sistemas de votación electrónica presencial”. Spanish Ministry of Industry, Tourism and Commerce, AVANZA (Acción Estratégica de Telecomunicaciones y Sociedad de la Información). Ref. no. TSI-020100-2009-720. Budget: 124380 Euros. Team member.
- “Subvención para contratación laboral de técnicos de apoyo” (Grant to hire a technician for research support). Spanish Ministry of Science and Innovation. Ref. no. PTA2009-2738-E. 2010-2011. Budget: 37800 Euros. Principal researcher.
- “Ayuda para contratación e incorporación de gestores en valorización tecnológica” (Grant to hire a technology broker). FECYT-Fundación Española de Ciencia y Tecnología, Ref. no. CTV-09-634. 2010-2011. Budget: 104320.70 Euros. Principal researcher.
- “ARES: team for Advanced REsearch on information Security and privacy”. CONSOLIDER INGENIO 2010, Ref. no. CSD2007-00004. 2007-2012. *Co-ordinator*. Total budget: 5.5 million Euro. URV budget: 1.27 million Euro.
- “E-AEGIS: Electronic AEGis for conciliating consumer privacy and transaction security in the Information Society” (Ministerio de Educación y Ciencia, TSI2007-65406-C03, Axis C, five-year project). 2007-2012. *Co-ordinator* of the co-ordinated project and principal researcher of subproject TSI2007-65406-C03-01 ”E-AEGIS/M-PRIVACY”.
- “Acción complementaria: subvención a organización congreso IFIP CARDIS’2006” (Ministerio de Educación y Ciencia, TSI2005-25951-E). 2006. Principal researcher.
- “REDEMAP: Red temática nacional sobre procesos de toma de decisiones y modelado y agregación de preferencias” (Ministerio de Ciencia y Tecnología, TIN2004-21700-E). 2005/2006. Principal researcher at URV.

- “PROPRIETAS: Protección de la propiedad intelectual y privacidad en multicast sobre redes móviles ad-hoc (Ministerio de Educación y Ciencia, SEG2004-04352-C04). 2005/2007. *Co-ordinator* of the co-ordinated project and principal researcher of subproject SEG2004-04352-C04-01.
- “REDEMAP: Red temática nacional sobre procesos de toma de decisiones y modelado y agregación de preferencias” (Ministerio de Ciencia y Tecnología, TIC2002-11942-E). 2004/2005. Principal researcher at URV.
- “Protección del copyright y pago por visión en tiempo real para transmisión multicast de contenidos multimedia” (Ministerio de Educación, Cultura y Deporte, PR2004-0009). 2004. Principal researcher.
- “STREAMOBILE: Streaming de contenidos multimedia hacia dispositivos móviles con retribución por micropago” (Ministerio de Ciencia y Tecnología, TIC2001-0633-C03). 2002/2004. *Co-ordinator* of the co-ordinated project and principal researcher of subproject TIC2001-0633-C03-01.
- “Comercio electrónico seguro basado en la información” (CICYT, TEL98-0699-C02-02). 1998/2001. Principal researcher.
- “Intercambio electrónico seguro de datos y documentos multimedia”: subproject “Seguridad de microdatos y macrodatos estadísticos” (CICYT, TIC95-0903-C02-02). 1995/1998. Principal researcher.
- “Criptografía y seguridad de acceso en la red de banda ancha”: subproject “Gestión de claves” (Plan Nacional de Banda Ancha-CICYT, TIC92-1323-E y TC-139). 1992/1995. Researcher.

## 8.5 Catalan projects

- Grant to CRISES-Comerç Electrònic Segur (grant to consolidated research groups, Generalitat de Catalunya, 2009 SGR 1135). 2009/2013. Leader of the consolidated group. Funding: 46800 Euros
- Grant to CRISES-Comerç Electrònic Segur (grant to consolidated research groups, Generalitat de Catalunya, 2005 SGR 00446). 2005/2008. The maximum per-group funding awarded in this call was obtained. Leader of the consolidated group. Funding: 52600 Euros.
- Travel grant for a research visit to Katholieke Universiteit Leuven (Generalitat de Catalunya, 2005 BE 00578). 15-11-2005/15-12-2005.
- “Thematic network on inference control” (Generalitat de Catalunya, 2004 XT 00004). 2005/2006. Principal researcher at URV.

- “Security, coding and transportation of information” (thematic network, Generalitat de Catalunya, 2003 XT 00074). 2004/2005. Principal researcher at URV.
- Grant to CRISES-Comerç Electrònic Segur (grant to consolidated research groups, Generalitat de Catalunya, 2002 SGR 00170). 2002/2005. Leader of the consolidated group.
- “Thematic network on inference control” (Generalitat de Catalunya, 2002 XT 00111). 2003/2004. Principal researcher at URV.
- “Security, coding and transportation of information” (thematic network, Generalitat de Catalunya, 2001 XT 00016). 2002/2003. *Co-ordinator* of the network and principal researcher at URV.
- “Security, coding and transportation of information” (thematic network, Generalitat de Catalunya, 1999 XT 00016). 2000/2001. Principal researcher at URV.
- “XANETA: Thematic network of advanced Internet applications” (Generalitat de Catalunya, 1998 XT 00028). 1999/2000. Principal researcher at URV.
- “Security, coding and transportation of information” (thematic network, Generalitat de Catalunya, 1996 XT 00016) 1997/2000. Principal researcher at URV.

## 9 Technology transfer contracts and activities

- “Social Media: Methods and Technologies for Social Media”. Research and transfer contract with contract with Yahoo Research (subsidiary of Yahoo Inc.), in the framework of a CENIT project of the same title above. Start: Dec. 13, 2010. End: Mar. 31, 2011. Principal researcher.
- “Research project for deployment of RFID technology in management of movable assets”. Technology transfer with the Diputaci de Tarragona (Tarragona Provincial Council). Start: July 9, 2010. End: March 31, 2011. Member of the consulting group.
- “Research project for deployment of RFID technology in records management”. Technology transfer with the Diputaci de Tarragona (Tarragona Provincial Council). Start: July 9, 2010. End: March 31, 2011. Member of the consulting group.
- “Survey on the information security of households and citizens” to statistical confidentiality”. Technology transfer contract with FOBSIC-Fundaci Observatori de la Societat de la Informaci de Catalunya. Start

date: Feb. 3, 2010. End date: Apr. 26, 2010. Member of the consulting group.

- “Secure articulation of microdata files subject to statistical confidentiality (III)”. Technology transfer contract with IDESCAT-Statistics Catalonia. Start: May 5, 2009. End: Dec. 31, 2009. Principal consultant.
- “Secure articulation of microdata files subject to statistical confidentiality (II)”. Technology transfer contract with IDESCAT-Statistics Catalonia. Start: June 1, 2008. End: Dec. 31, 2008. Principal consultant.
- “Secure articulation of microdata files subject to statistical confidentiality”. Technology transfer contract with IDESCAT-Statistics Catalonia. Ref. no. T07144S. Start: Sep. 1, 2007. End: Dec. 31, 2007. Principal consultant.
- “Anonymisation of CIS4 and SES datasets”. Technology transfer contract with SOGETI Luxembourg S.A., Ref. no. LU/L1587/I. Start: Sep. 3, 2007. End: June 29, 2008. Principal consultant.
- “Implementation of Regulation no. 831/2002 on access to confidential data for scientific purposes”. Technology transfer contract with SOGETI Luxembourg S.A., Ref. no. LU/L1535/I. Start: Jan. 29, 2007. End: April 30, 2007. Principal consultant.
- “Design of confidential datasets and user documentation”. Technology transfer contract with SOGETI Luxembourg S.A., Ref. no. LU/L1492/I. Start: June 19, 2006. End: Sep. 30, 2006. Principal consultant.
- Framework agreement with SCYTL Secure Electronic Voting S. A. for technology transfer. 7 July 2006. Principal researcher.
- Member of the Catalan mission, Technological and Business Innovation Bridge Finland Sweden, Helsinki-Stockholm, June 5-9, 2006. Barcelona Chamber of Commerce and Barcelona Activa.
- Member of the Scientific Council, SCYTL Secure Electronic Voting S.A. From 2002.
- Member of the Scientific Council, Kinamik Data Integrity S.A., from 2006.
- Volunteering  
Scientific Advisor of the *Obrador Edendum* ([www.obradoredendum.cat](http://www.obradoredendum.cat)) publishing house. From September 2006.
- “Submission of FP6 proposals with SME participation”, Red Española de Fundaciones Universidad-Empresa/Fundació URV, Project no. T04054-S. Principal researcher. 2003/2004.

- Technology transfer contract with SCYTL Secure Electronic Voting S. A., to exploit my patent P9800608 by that company. 27 Sep. 2002. Principal researcher.
- Technology transfer contract with SCYTL Secure Electronic Voting S. A., to develop e-gaming patents. 16 Sep. 2002. Principal researcher.
- Contracts as reviewer of project CREANET (IST-1999-10871, EU 5FP). Contracts no. TCL-REV-146582 (Sep. 2002), TCL-REV-143545 (Mar. 2002), TCL-REV-139914 (Sep. 2001), TCL-REV-133014 (Feb. 2001). Place of work: Brussels.
- Contract as EU 5FP evaluator, IST Programme, KA II “New methods of work and electronic commerce”, Nov. 2000, 4th Call for Proposals. Contract no. TCL-EVAL-130854. Place of work: Brussels.
- Contracts as reviewer of project FILIGRANE (EP 28423, EU 4th FP), Contracts no. TCL-REV-130438 (Nov. 2000), TCL-REV-127990 (May 2000), TCL-REV-123398 (Sep. 1999). Places of work: Marseille, Paris and Brussels, respectively.
- Contract with Urban Institute (Washington D.C., USA) to write two book chapters Josep Domingo-Ferrer and Vicenç Torra, “Disclosure control methods and information loss for microdata”, and Josep Domingo-Ferrer and Vicenç Torra “A quantitative comparison of disclosure control methods for microdata” for the book *Confidentiality, Disclosure and Data Access: Theory and Practical Applications for Statistical Agencies*, eds. L. Zayatz, P. Doyle, J. Theeuwes and J. Lane, Amsterdam: North-Holland, 2001.
- Contract as EU 5th FP evaluator, IST Programme, KA II “New methods of work and electronic commerce”, May 2000, 3rd Call for Proposals. Contract no. TCL-EVAL-500411 (FURV A00045-S). Place of work: Brussels.
- “MARS: Multimedia Advanced brokerage with Redistribution Surveillance” (Internet 2 Pilot Project in Catalonia, contract between URV-UPF-ISOCO and UPC-I2CAT Consortium). 2000. Contract no. FURV A00055S. Principal researcher at URV.
- Contract with Institut d’Estadística de Catalunya “Anàlisi dels requeriments de seguretat a l’IDESCAT”. 1999/2000. Contract no. FURV A99221-N. Principal researcher.
- Contracts with EUROGRAMME Ltd. (Luxemburg) as an evaluator for the EU SUP-COM programme, 1st phase (1999) and 2nd phase (2000).
- Contract as EU 5th FP evaluator, IST Programme, KA II “New methods of work and electronic commerce”, June 1999, 1st Call for Proposals. Contract no. TCL-EVAL-122370. Place of work: Brussels.

- “Processament de dades confidencials en forma xifrada (2a part)”. Technology transfer contract with Institut d’Estadística de Catalunya (IDESCAT), contract URV CAB01P. 1998. Principal researcher.
- “Processament de dades confidencials en forma xifrada”. Technology transfer contract with Institut d’Estadística de Catalunya (IDESCAT). 1996/1997. Contract Fundació Bosch i Gimpera no. 2577. Principal researcher.

## 10 Academic activities

### 10.1 Conference organization

#### 10.1.1 General or Program committee chairs

- Program Chairman of *PSD’2010-Privacy in Statistical Databases*, Corfu, Greece, September 2010.
- Program Chairman of *RECSI 2010- 11a. Reunión Española de Criptología y Seguridad de la Información*, Tarragona, Catalonia, September 2010.
- Organizer of the *Ciberàgora 2009: Jornades de Seguretat i Estratègia* (5 talks and 1 round table). 13th URV Summer University, Tarragona, July 2009.
- Program Chairman of *PSD’2008-Privacy in Statistical Databases*, Istanbul, Turkey, September 2008.
- Organizer of the seminar *La lluita contra el Big Brother: tecnologia, percepció social i legislació sobre privadesa en la societat de la informació* (10 talks and 1 round table). 11th URV Summer University, Santa Coloma de Queralt. June 2007.
- Program Chairman of *PSD’2006-Privacy in Statistical Databases*, Rome, Italy, 2006.
- General Co-Chairman of *MDAI’2006-Modeling Decisions for Artificial Intelligence*, Tarragona, Catalonia, 2006.
- General Chairman of *IFIP CARDIS’2006- Seventh Smart Card Research and Advanced Application Conference*, Tarragona, Catalonia, 2006.
- Program Chairman of *PSD’2004-Privacy in Statistical Databases*, Barcelona, Catalonia, 2004. <http://vneumann.etse.urv.es/psd2004>
- Program Chairman of the *AMRADS Workshop on Statistical Disclosure Control*, Luxembourg, 2001. <http://vneumann.etse.urv.es/amrads>

- Program Chairman of *IFIP CARDIS'2000 - Fourth Smart Card Research and Advanced Application Conference*, Bristol, UK, 2000.
- Program Chairman of the Eurostat-sponsored conference *Statistical Data Protection'98*, Lisbon, Portugal 1998.
- Organizer of the seminar *La Seguretat de la Informació i les Noves Tecnologies* (13 talks and 1 round table). 1st URV Summer University, Tarragona. July 1996.

### 10.1.2 Program committee member, track chair or discussant

- Program Committee Member of the *IV Congreso Iberoamericano de Seguridad Informática-CIBSI'11*, Montevideo, Uruguay, November 2011. <http://www.cibsi.upbbga.edu.co/>
- Program Committee member of *MPEIS 2011 International Workshop on Model-Based and Policy-Based Engineering in Information Security*, Seville, Spain, July 18-21, 2011, in conjunction with *8th Intl. Joint Conference on e-Business and Telecommunications*. <http://www.icete.org/MPEIS.asp>
- Program Committee member of the *PSD 2011 International Conference on Privacy, Security and Trust*, Montréal, Québec, Canada, July 19-21, 2011. <http://http://www.unb.ca/pstnet/pst2011/>
- Program Committee member of the *2011 International Conference on Data Mining (ICDM'11)*, Vancouver, Canada, December 11-14, 2011. <http://icdm2011.cs.ualberta.ca/>
- Co-Chair of the track “Network security, trust and privacy”, within the *Sixth International Conference on Broadband, Wireless Computing, Communication and Applications-BWCCA 2011*, Barcelona, October 26-28, 2011.
- Program Committee Member of the workshop “Datenschutz und Identitätsmanagement für Communities - Communities für Datenschutz und Identitätsmanagement”, within *Informatik 2011*, Berlin, Germany, October 4-7, 2011. <http://www.informatik2011.de/workshops.html>
- Program Committee Member of *SECURITY 2011-International Conference on Security and Cryptography*, Seville, Spain, July 18-21, 2011.
- Program Committee Member of *PAIS 2011-4th Workshop on Privacy in Information Society*, within *EDBT/ICDT 2011*, Uppsala, Sweden, March 25, 2011.

- Program Committee Member of the *IEEE Symposium on Computational Intelligence in Cyber Security-CICS 2011*, within *IEEE Symposium Series on Computational Intelligence 2011*, Paris, France, April 11-15, 2011. <http://www.ieee-ssci.org/2011/cics-2011>
- Program Committee Member of *MDAI 2011-Modeling Decisions for Artificial Intelligence*, Changsha, China, July 28-30, 2011.
- Program Committee Member of the *7th RFIDSec Workshop*, University of Massachusetts at Amherst, June 26-28, 2011.
- Program Committee Member of *DBSEC'11-25th Annual WG11.3 Conference on Data and Applications Security and Privacy*, Richmond VA, July 11-13, 2011.
- Program Committee Member of *WEBIST'2011-7th Intl. Conference on Web Information Systems and Technologies*, Noordwijkerhout, The Netherlands, May 2011.
- Program Committee Member of the *2nd Workshop on Security and Privacy in GIS and LBS-SPRINGL 2010*, San José CA, Nov. 2, 2010. <http://springl2010.modap.org>
- Program Committee Member of the *2010 IEEE International Workshop on Privacy Aspects of Data Mining: From Theory to Practice - PADM 2010*, Sydney, Australia, Dec. 13, 2010.
- Program Committee Member of *ICICS 2010 12th International Conference on Information and Communications Security*, Barcelona, Catalonia, Dec. 15-17, 2010.
- Program Committee Member of *OTM IS 2010 5th International Symposium on Information Security*, Crete, Greece, Oct. 25-26, 2010.
- Program Committee Member of *BIFE 2010- 3rd International Conference on Business Intelligence and Financial Engineering*, Hong-Kong, China, August 13-15, 2010. <http://www.gip.hk/bife2010/>
- Program Committee Member of *PASSAT 2010- 2nd IEEE International Conference on Privacy, Security, Risk and Trust*, Minneapolis, USA, August 20-22, 2010.
- Program Committee Member of *ECML PKDD 2010- European Conference on Machine Learning-Principles and Practice of Knowledge Discovery in Databases*, Barcelona, Catalonia, September 20-24, 2010. <http://www.ecmlpkdd2010.org>
- Program Committee Member of *KSEM 2010*, Belfast, Northern Ireland, Sep. 1-3, 2010. <http://www.ulster.ac.uk/ksem2010>

- Program Committee Member of *SECRYPT 2010*, Athens, Greece, July 26-28, 2010. <http://secrypt.icete.org/>
- Program Committee Member of *TrustBus 2010*, Bilbao, Basque Country, August 30-September 3, 2010. <http://www.dexa.org>
- Program Committee Member of *EDBT/ICDT 2010*, Lausanne, Switzerland, March 22-26, 2010.
- Program Committee Member of *PAIS 2010-3rd Workshop on Privacy in Information Society*, within *EDBT/ICDT 2010*, Lausanne, Switzerland, March 22, 2010.
- Program Committee Member of *IJCNN 2010* within *WCCI 2010-World Congress on Computational Intelligence*, Barcelona, Catalonia, July 18-25, 2010.
- Program Committee Member of *WEBIST'2010-6th Intl. Conference on Web Information Systems and Technologies*, Valencia, April 2010.
- Program Committee Member of *RFIDSec 2010-6th Workshop on RFID Security*, Istanbul, Turkey, June 2010.
- Program Committee Member of *DBSec 2010: 24th Annual IFIP WG 11.3 Working Conference on Data and Applications Security*, Rome, Italy, June 21-23, 2010. <http://dbsec2010.dti.unimi.it>
- Program Committee Member of *CHES 2010: 12th Workshop on Cryptographic Hardware and Embedded Systems*, Santa Barbara CA, USA, August 17-20, 2010 (co-located with CRYPTO).
- Program Committee Member of *WLC 2010: Workshop on Lightweight Cryptography for Resource-Constrained Devices*, within *Financial Cryptography and Data Security FC2010*, Tenerife, Canary Islands, Spain, Jan. 2010. <http://www.wlc2010.udl.cat/>
- Program Committee Member of *Financial Cryptography and Data Security FC2010 (14th Intl. Conference)*, Tenerife, Canary Islands, Spain, Jan. 2010. <http://fc10.ifca.ai>
- Program Committee Member of *ETHICOMP 2010 Living, Working and Learning Beyond Technology*.
- Program Committee Member of *MDAI 2010-Modeling Decisions for Artificial Intelligence*, Perpinyà, Northern Catalonia, Oct. 27-29, 2010.
- Program Committee Member of the *2009 IEEE International Workshop on Privacy Aspects of Data Mining: From Theory to Practice - PADM 2009*, Miami, Florida, Dec. 6-9, 2009.

- Program Committee Member of the *2nd Workshop on Security and Privacy in GIS and LBS-SPRINGL 2009*, Seattle, Washington, USA, Nov. 3, 2009.
- Program Committee Member of *EuroPKI 2009*, Pisa, Italy, Sep. 9-11, 2009.  
<http://www.iit.cnr.it/EUROPKI09/>
- Program Committee Member of *OTM IS 2009 4th International Symposium on Information Security*, Vilamoura, Portugal, Nov. 1-6, 2009.
- Program Committee Member of *ACM First International Workshop on Privacy and Anonymity for Very Large Datasets-PAVLAD 2009* (in conjunction with CIKM 2009), Hong Kong, October 31, 2009.
- Program Committee Member of *2009 IEEE International Conference on Privacy, Security, Risk and Trust (PASSAT 2009)* Vancouver, Canada, August 29-31, 2009.
- Program Committee Member of *Mediterranean Conference on Information Systems-MCIS 2009*, Athens, Greece, September 25-27, 2009. <http://www.mcis2009.org>
- Program Committee Member of *PAIS 2009-2nd Workshop on Privacy in Information Society*, within *EDBT/ICDT 2009*, Sankt-Petersburg, Russia, March 22, 2009.
- Program Committee Member of *ACISP 2009-14th Australasian Conference on Information Security and Privacy*, Brisbane, Australia, July 1-3, 2009.
- Program Committee Member of *PAKDD 2009- Pacific-Asia Conference on Knowledge Discovery and Data Mining*, Bangkok, Thailand, April 27-30, 2009. <http://www.pakdd2009.org>
- Program Committee Member of *PPDA 2009-International Workshop on Privacy-Preserving Data Analysis* (workshop within the *DASFAA 2009-DAtabase Systems for Advanced Application* conference), Brisbane, Australia, April 2009.
- Program Committee Member of *IEEE Symposium on Computational Intelligence in Cyber Security-CICS 2009*, Nashville TN, Mar. 30-Apr. 2, 2009.
- Program Committee Member of *MDAI 2009-Modeling Decisions for Artificial Intelligence*, Awaji Island, Japan, Nov. 30-Dec. 2, 2009.
- Program Committee Member of *PiLBA 2008-Privacy in Location-Based Applications*, within *ESORICS 2008*, Malaga, Spain, October 3-5, 2008.

- Program Committee Member of *ICDM'2008- IEEE International Conference on Data Mining*, Pisa, Italy, 2008.
- Program Committee Member of *MDAI 2008-Modeling Decisions for Artificial Intelligence*, Sabadell, Catalonia, Oct. 30-31, 2008.
- Program Committee Member of *ISREP 2008-Information Systems Research, Education and Practice* within *IFIP World Computer Congress 2008*, Milano, Italy, September 7-10, 2008.  
<http://www3.dsi.uminho.pt/wcc2008/schedule.htm>
- Program Committee Member of *PAIS 2008-1st Workshop on Privacy in Information Society*, within *EDBT/ICDT 2009*, Nantes, France, March 29, 2008.
- Program Committee Member of *WEBIST'2008-4th Intl. Conference on Web Information Systems and Technologies*, Funchal, Madeira, Portugal, May 2008.
- Program Committee Member of *ARES 2008-DAWAM'2008- Intl. Workshop "Dependability Aspects of Data Warehousing and Mining applications"*, Barcelona, Catalonia, March 2008.
- Program Committee Member of *ARES 2008-PSAI'2008- Intl. Workshop "Privacy Solutions through Artificial Intelligence"*, Barcelona, Catalonia, March 2008.
- Program Committee member of *X Reunión Española sobre Criptología y Seguridad Informática*, Salamanca, Spain, Sep. 2008.
- Program Committee Member of *IFIP CARDIS'2008 - 8th Smart Card Research and Advanced Application Conference*, Egham, Surrey, UK, September 2008.
- Program Committee Member of *ICICS'2007 - 9th International Conference on Information and Communication Security*, ZhengZhou, Henan, China, Dec. 15, 2007.
- Invited Discussant in the *5th Joint UNECE/Eurostat Work Session on Statistical Confidentiality*. United Nations Economic Commission for Europe and Eurostat, Manchester, England, 2007.
- Program Committee Member of the *Workshop on Privacy, Security and Trust in Knowledge Discovery and Data Mining (PinKDD'07)*, held within the *13th ACM SIGKDD IEEE International Conference on Knowledge Discovery and Data Mining*, San Jose CA, August 2007.
- Program Committee Member of *AXMEDIS'2007*, Barcelona, November 2007.

- Program Committee Member of the *IV Congreso Iberoamericano de Seguridad Informática-CIBSI'07*, November 2007.
- Program Committee Member of *CEDI2007-II Simposio sobre Seguridad Informática*, Saragossa, Spain, 2007. <http://www.congresocedi.es/2007/>
- Program Committee Member of *ESORICS'2007-European Symposium on Research in Computer Security*, Dresden, Germany, September 2007.
- Discussant of invited paper meeting IPM49 in *56th Session of the International Statistical Institute ISI'2007*, Lisbon, Portugal, August 22-29, 2007.
- Program Committee Member of *PDM'2007-Privacy Data Management*, Istanbul, Turkey, April 2007.
- Program Committee Member of *WEBIST'2007-3rd Intl. Conference on Web Information Systems and Technologies*, Barcelona, Catalonia, March 2007.
- Program Committee Member of *WAIFI'2007- Intl. Workshop on the Arithmetic of Finite Fields*, Madrid, Spain, June 2007.
- Program Committee Member of *DAWAM'2007- Intl. Workshop "Dependability Aspects of Data Warehousing and Mining applications"*, Wien, Austria, April 2007.
- Program Committee Member of *FUZZ-IEEE 2006: 2006 IEEE International Conference on Fuzzy Systems*, Vancouver BC, Canada, July 16-21, 2006.
- Program Committee Member of *IFIP TC8 Conference: The past and future of Information Systems: 1976-2006 and beyond*, Santiago de Chile, August 2006.  
[http://www.wcc-2006.org/call\\_for\\_papers/tc8\\_past\\_future.php?opcion\\_actual=call\\_for\\_papers](http://www.wcc-2006.org/call_for_papers/tc8_past_future.php?opcion_actual=call_for_papers)
- Program Committee Member of *CMSI'2006, Congreso Mexicano de Seguridad Informática*, Oaxaca, Mexico, Nov. 20-24,2006.
- Program Committee Member of *DAWAM'2006- Intl. Workshop "Dependability Aspects of Data Warehousing and Mining applications"*, Wien, Austria, April 2006.
- Program Committee Member of *ACISP'2006-Australasian Conference on Information Security and Privacy*, Melbourne, Australia, July 2006.
- Program Committee Member of *ITNG'2006-3rd International Conference on Information Technology: New Generations* and Chair of the Track on E-Gaming, Las Vegas NV, 2006. <http://www.itng.info>

- Program Committee Member of *PDM'2006-International Workshop on Privacy Data Management*, Atlanta, USA, April 2006.
- Program Committee Member of *Indocrypt'2005*, Bangalore, India, 2005.
- Program Committee Member of *ICICS'2005-7th International Conference on Information and Communications Security*, Beijing, China, 2005.
- Program Committee Member of the *III Simposio Español de Comercio Electrónico-SCE'05*. Universitat de les Illes Balears, Ciutat de Mallorca, 2005.
- Program Committee Member of *PDM'2005-International Workshop on Privacy Data Management*, Tokyo, Japan, 2005.  
<http://www.db.soc.i.kyoto-u.ac.jp/PDM2005/>
- Program Committee Member of *MDAI'2005-Modeling Decisions for Artificial Intelligence*, Tsukuba, Japan, 2005.  
<http://www.mdai.info/mdai2005/>
- Program Committee Member of *ACISP'2005- 10th Australasian Conference on Information Security and Privacy*, Brisbane, Australia, 2005.
- Program Committee Member of *WEBIST'2005- International Conference on Web Information Systems and Technologies*, Miami FL, USA, 2005.
- Program Committee Member of *CEDI2005-Simposio sobre Seguridad Informática*, Granada, Spain, 2005. <http://cedi2005.ugr.es>
- Invited Discussant in the *4th Joint UNECE/Eurostat Work Session on Statistical Confidentiality*. United Nations Economic Commission for Europe and Eurostat, Geneva, Switzerland, 2005.
- Program Committee Member of *IEEE ITCC'2005-International Conference on Information Technology* and Chair of the Track on E-Gaming, Las Vegas NV, 2005.  
<http://www.itcc.info>
- Program Committee Member of *ICICS'2004-6th International Conference on Information and Communications Security*, Málaga, Spain, 2004.  
<http://icics04.lcc.uma.es/>
- Program Committee Member of *International Workshop on Privacy and Security Issues in Data Mining*, Pisa, Italy, 2004. <http://people.sabanciuniv.edu/~ysaygin/psdm/>
- Program Committee Member of the *VIII Reunión Española sobre Criptología y Seguridad de la Información*, Madrid, Spain, 2004.

- Program Committee Member of *MDAI'2004- Modeling Decisions for Artificial Intelligence*, Barcelona, Catalonia, 2004. <http://www.iiia.csic.es/~vtorra/mdai>
- Program Committee Member of *IEEE ITCC'2004* and Chair of the Track on E-Gaming, Las Vegas, NV, USA, 2004 <http://www.itcc.info>
- Program Committee Member of *IFIP CARDIS'2004*, Toulouse, France, 2004.
- Program Committee Member of *ISC'2003 -Information Security Conference*, Bristol, UK, 2003. <http://www.hp1.hp.com/conferences/isc03/>
- Program Committee Member of the *II Simposio Español de Comercio Electrónico-SCE'03*. Universitat Politècnica de Catalunya, Barcelona, 2003.  
<http://isg.upc.es/sce2003>
- Invited Discussant in the *3rd Joint UNECE/Eurostat Work Session on Statistical Confidentiality*. United Nations Economic Commission for Europe and Eurostat, Luxemburg, 2003.
- Program Committee Member of *USENIX/IFIP CARDIS'2002*, San José CA, USA, 2002.
- Program Committee Member of the *VII Reunión Española sobre Criptología y Seguridad de la Información*, Oviedo, Spain, 2002.
- Program Committee Member of *ISC'2001 - Information Security Conference* (follow-up of ISW'97, ISW'99 and ISW'2000), Málaga, Spain, 2001.  
<http://www.isconference.org>
- Invited Discussant at the *Second Joint UNECE/Eurostat Work Session on Statistical Confidentiality*. United Nations Economic Commission for Europe and Eurostat, Skopje, Macedonia, 2001.
- Program Committee Member of *ISW'2000 - The Third International Workshop on Information Security*, Wollongong, Australia, 2000.
- Program Committee Member of the *VI Reunión Española sobre Criptología y Seguridad de la Información*, Tenerife, Spain, 2000.
- Invited Discussant at the *Joint UNECE/Eurostat Work Session on Statistical Confidentiality*. United Nations Economic Commission for Europe and Eurostat, Thessaloniki, Greece, 1999.
- Program Committee Member of the *V Reunión Española sobre Criptología y Seguridad de la Información*, Málaga, 1998.

- Program Committee Member of *EUROCRYPT'96*. International Association for Cryptologic Research, Zaragoza, 1996.
- Program Committee Member of *CARDIS'96-Second Smart Card Research and Advanced Application Conference*, Amsterdam, 1996.
- Program Committee Member of the *IV Reunión Española sobre Criptología*, Valladolid, 1996.

## 10.2 Journal editorship and refereeing

### 10.2.1 Chief Editor in journals

- Co-Editor-in-Chief of *Transactions on Data Privacy* (from Jan. 1, 2008, <http://www.tdp.cat>)

### 10.2.2 Associate Editor in journals

- Area Editor of *Computer Communications* (from Jan. 2011). Journal listed in the JCR impact factor listing.
- Associate Editor of *The Journal of Data Protection & Security* (from Jul. 2007, <http://www.merlien.org/oj/index.php/JDPS>).
- Associate Editor of *SORT - Statistics and Operations Research Transactions* (from Jul. 2006, <http://www.idescat.net/SORT/>). Journal listed in the JCR impact factor listing.
- Associate Editor of the *Journal of Privacy and Confidentiality* (from Jan. 2006, <http://jpc.stat.cmu.edu/associates.php>).
- Associate Editor of the *Journal of Official Statistics* (from Feb. 2005, [http://www.jos.nu/Journal\\_Information/default.asp](http://www.jos.nu/Journal_Information/default.asp)).

### 10.2.3 Guest Editor in ISI JCR journals

- Guest Editor of the *Data & Knowledge Engineering* journal (special issue on "Database Privacy", Nov. 2009).
- Guest Editor of the *Computer Networks* journal (special issue on "Advances in Smart Cards", Aug. 2007).
- Guest Editor of the *Data Mining and Knowledge Discovery* journal (special issue on "Privacy in Data Mining and Statistical Databases", Sep. 2005).

- Guest Editor of the *International Journal on Uncertainty, Fuzziness and Knowledge-based Systems*, (special issue on "Aggregation and Security Assessment for Inference Control", Oct. 2002).
- Guest Editor of the *Computer Networks* journal (special issue on smart cards, Jul. 2001).

#### 10.2.4 Journal refereeing

- *ACM Transactions on Information and System Security*
- *Ad Hoc & Sensor Wireless Networks: An International Journal*
- *Annals of Operations Research*
- *BMC Medical Informatics and Decision Making*
- *Computational Management Science*
- *Computational Statistics and Data Analysis*
- *Computer Methods and Programs in Biomedicine*
- *Data & Knowledge Engineering*
- *Data Mining and Knowledge Discovery*
- *ETRI Journal*
- *EURASIP Journal on Applied Signal Processing*
- *European Journal of Operations Research*
- *Expert Systems*
- *IEEE Transactions on Dependable and Secure Computing*
- *IEEE Transactions on Knowledge and Data Engineering*
- *IEEE Transactions on Image Processing*
- *IEEE Transactions on Systems, Man and Cybernetics*
- *IEEE Transactions on Vehicular Technology*
- *Information Processing Letters*
- *Information Sciences*
- *Information Systems Research*
- *International Journal of Approximate Reasoning*

- *International Journal of Uncertainty, Fuzziness and Knowledge-based Systems*
- *Journal of the American Society for Information Science and Technology*
- *Journal of Official Statistics*
- *Journal of Privacy and Confidentiality*
- *Journal of Zhejiang University Science*
- *Management Science*
- *Operations Research*
- *Pattern Analysis and Applications*
- *Research in Official Statistics*
- *SIAM Review*
- *Statistica Neerlandica*
- *Statistics in Medicine*
- *Transactions on Data Privacy*

### 10.3 Ph. D. Committees/Examiner outside Spain

- External examiner for the Ph. D. Thesis of Anna Monreale, “A framework for understanding statistical disclosure processes: a case study using the UK neighbourhood statistics”, University of Pisa (Italy), January 2011.
- External examiner for the Ph. D. Thesis of Elaine Mackey, “A framework for understanding statistical disclosure processes: a case study using the UK neighbourhood statistics”, University of Manchester (UK), November 2008.
- External examiner for the Ph. D. Thesis of Giannakis Antoniou, “Privacy-aware technologies in a hostile environment”, University of Melbourne (Australia), October 2008.
- Ph. D. committee member for the Ph. D. Thesis of Richard Brinkman, “Searching in encrypted data”, University of Twente (The Netherlands), June 2007.
- Ph. D. committee member for the Ph. D. Thesis of Gaël Hachez, “A comparative study of software protection tools suited for e-commerce with contributions to software watermarking and smart cards”, Université Catholique de Louvain (Belgium), February 2003.

#### 10.4 External committees, evaluations and reviewers

- Evaluator of the Agència Valenciana d'Avaluació i Prospectiva, for the area of Computer Science and Artificial Intelligence. From 2010.
- Evaluator of the Programa Nacional de Tecnologías de la Información y de las Comunicaciones (TIC). Agencia Nacional de Evaluación y Prospectiva, CICYT-MICINN. Calls 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009 and 2010.
- Member of the Jury of the Prizes to Excellence in Research (PREI 2010), awarded by the Universitat Autònoma de Barcelona, September 2010.
- Member of the Spanish official delegation in the *Spain-India Workshop on Information and Communication Technologies*, jointly organized by the Department of Science and Technology of India and the Spanish Ministry of Science and Innovation, and hosted by the Indian Institute of Technology, Bangalore, June 3-5, 2010.
- Evaluator for the Science Foundation Ireland. October 2008.
- Evaluator of the Torres Quevedo Programme, Agencia Nacional de Evaluación y Prospectiva. 2008, 2009 and 2010.
- Panel member of R+D Spanish National Plan Projects (TSI Programme). May 2008.
- Evaluator of CENIT Projects, Agencia Nacional de Evaluación y Prospectiva-CDTI. April 2008.
- Evaluator for the U.S. National Science Foundation. February 2008.
- Chairman of a Follow-up Panel of R+D Spanish National Plan Projects (TIC Programme). July 2007.
- Evaluator of CENIT Projects, Agencia Nacional de Evaluación y Prospectiva-CDTI. Dec. 2006.
- Evaluator of ICT Infrastructure Projects. Agencia Nacional de Evaluación y Prospectiva, Spanish government. 2005.
- Evaluator of R+D projects for AGAUR (Government of Catalonia). 2004, 2005, 2006, 2007, 2008, 2009 and 2010.
- Reviewer of *The Handbook of Information Security*, published by John Wiley & Sons.
- Evaluator for the Dutch Technology Foundation STW, 2004.
- Evaluator of the Programa Nacional de Seguridad (SEG). Agencia Nacional de Evaluación y Prospectiva, MCyT. Call 2004.

- Evaluator of PROFIT-CDTI projects. Agencia Nacional de Evaluación y Prospectiva-MCyT. Calls 2002, 2004 and 2007.
- Reviewer of project IST-1999-10871 CREANET, EU 5th FP. 2000-2002.
- Evaluator of EU 5FP, Programme “Information Society Technology”, Key Action II “New Methods of Work and Electronic Commerce”. 1st, 3rd and 4th Calls for Proposals. 1999-2000.
- Reviewer of project ESPRIT EP 28423 FILIGRANE, EU 4th FP. 1999-2000.
- Reviewer (with R. X. Sánchez del Castillo) of the Green Book “La protection juridique des services cryptés dans le marché intérieur”. European Commission-DG XV, 1998.
- Reviewer of ITSEM Draft Version 0.2 (*Information Technology Security Evaluation Manual*), InfoSec, European Commission-DG XIII. Sep. 1992.

## 10.5 Positions in societies

- February 4, 2010. Founding member of the Catalan Statistical Society.
- Since July 2007. Member of the board of trustees of the Fundació Quer Alt for cultural promotion.
- Since May 2003. Secretary of the Working Group 8.8 (Smart Cards) of the International Federation for Information Processing (IFIP).
- Since Nov. 2002. Senior Member, Institute of Electrical and Electronics Engineers (IEEE).
- Since Dec. 2001. Member of the European Scientific Committee for Official Statistics, Eurostat, European Commission.
- Since 1998. Member of IFIP WG 8.8 (Smart Cards).
- Oct. 1996-Jun. 2010. Chairman (and founder) of IEEE the Information Theory Society Spanish Chapter.
- Since 1995. Member of the Catalan Council for Statistics, Generalitat de Catalunya.
- 1993-1997. Member of the Board of Directors of the IEEE Spanish Section.

## 11 Patents

1. Inventors: Jordi Castellà-Roca, Josep Domingo-Ferrer and Francesc Sebé, *Gaming method and system over a network using smart cards*, Spanish patent ref. no. P200600590. Date filed: March 9, 2006. Patent owner: Universitat Rovira i Virgili. Priority country: Spain. Status: requested.
2. Inventors: Jordi Castellà-Roca, Andreu Riera-Jorba, Joan Borrell-Viader and Josep Domingo-Ferrer. Title: *Method for obtaining an impartial result in a game over a communications network and related protocols and programs*. International patent with ref. no. PCT WO 2004/035159. Date granted: April 29, 2004. Patent owner: SCYTL Secure Electronic Voting, S.A. Priority countries: all. Status: granted and being exploited by owner.
3. Inventors: Josep Domingo Ferrer and Ricardo X. Sánchez del Castillo. Title: *Method for secure delegation of statistical data*. Spanish patent with ref. no. P9800608 and publication no. 2143943. Date granted: December 1, 2000. Patent owner: Rovira i Virgili University. Priority country: Spain. Status: granted and being exploited by SCYTL Secure Electronic Voting S.A.

## 12 PUBLICATIONS (DOWNLOADABLE)

### 12.1 Books as editor

1. Josep Domingo-Ferrer, Antoni Martínez-Ballesté, Jordi Castellà-Roca and Agustí Solanas (eds.), *Actas de la XI Reunión Española sobre Criptología y Seguridad de la Información-RECSI 2010*, Tarragona: Publicacions de la URV, 2010. ISBN: 978-84-693-3304-4
2. Josep Domingo-Ferrer and Emmanouil Magkos (eds.), *Privacy in Statistical Databases-PSD 2010*, Lecture Notes in Computer Science, vol. 6344, Berlin: Springer-Verlag, 2010. ISBN: 978-3-642-15837-7
3. Josep Domingo-Ferrer and Vicenç Torra (eds.), composite volume collecting the Catalan versions of: John von Neumann, *L'ordinador i el cervell (The Computer and the Brain)*; Alan M. Turing, *Els ordinadors i la intel·ligència (Computing Machinery and Intelligence)*, Santa Coloma de Queralt: Obrador Edèndum, 2010. ISBN 978-84-036609-8-7.
4. Josep Domingo-Ferrer and Vicenç Torra (eds.), composite volume collecting the Catalan versions of: Godfrey H. Hardy, *Apologia d'un matemàtic (A Mathematicians's Apology)*; John von Neumann, *El paper de la matemàtica en les ciències i la societat (The Role of Mathematics*

- in Sciences and Society*), Santa Coloma de Queralt: Obrador Edèndum, 2008. ISBN 978-84-036609-1-8.
5. Josep Domingo-Ferrer and Yücel Saygin (eds.), *Privacy in Statistical Databases-PSD 2008*, Lecture Notes in Computer Science, vol. 5262, Berlin: Springer-Verlag, 2008. ISBN 978-3-540-87470-6.
  6. Josep Domingo-Ferrer and Luisa Franconi (eds.), *Privacy in Statistical Databases-PSD 2006*, Lecture Notes in Computer Science, vol. 4302, Berlin: Springer-Verlag, 2006. ISBN 3-540-49330-1.
  7. Josep Domingo-Ferrer, Joachim Posegga and Daniel Schreckling (eds.), *Smart Card Research and Advanced Applications-7th IFIP WG 8.8/11.2 International Conference CARDIS'2006*, Lecture Notes in Computer Science, vol. 3928, Berlin: Springer-Verlag, 2006. ISBN 3-540-33311-8.
  8. Vicenç Torra, Yasuo Narukawa, Aïda Valls and Josep Domingo-Ferrer (eds.), *Modeling Decisions for Artificial Intelligence, 3rd International Conference MDAI'2006*, Lecture Notes in Computer Science, vol. 3885, Berlin: Springer-Verlag, 2006. ISBN 3-540-32780-0.
  9. Pradip K. Srimani, H. Selvaraj, J. Domingo-Ferrer *et al.* (editors), *Proceedings of ITCC'2005: International Conference on Information Technology*, Los Alamitos CA: IEEE Computer Society, 2005. ISBN 0-7695-2315-3.
  10. Josep Domingo-Ferrer and Vicenç Torra (editors), *Privacy in Statistical Databases-PSD 2004*, Lecture Notes in Computer Science, vol. 3050, Berlin: Springer-Verlag, 2004. ISBN 3-540-22118-2
  11. Pradip K. Srimani, A. Abraham, M. Cannataro, J. Domingo-Ferrer *et al.* (editors), *Proceedings of ITCC'2004: International Conference on Information Technology*, Los Alamitos CA: IEEE Computer Society, 2004. ISBN 0-7695-2108-8.
  12. Josep Domingo-Ferrer (editor), *Inference Control in Statistical Databases*, Lecture Notes in Computer Science, vol. 2316, Berlin: Springer-Verlag, 2002. ISBN 3-540-43614-6
  13. Josep Domingo-Ferrer, David Chan and Anthony Watson (editors), *Smart Card Research and Advanced Application-Proc. of IFIP CARDIS'2000*, Norwell MA: Kluwer Academic Publishers, 2000. ISBN 0-7923-7953-5
  14. Josep Domingo-Ferrer (editor), *Statistical Data Protection*, Luxembourg: Office for Official Publications of the European Communities, 1999. ISBN 92-828-1712-1

## 12.2 Books as author

1. Anco Hundepool, Josep Domingo-Ferrer, Luisa Franconi, Sarah Giessing, Rainer Lenz, Jane Longhurst, Eric Schulte Nordholt, Giovanni Seri and Peter-Paul De Wolf, *Handbook on Statistical Disclosure Control*, ESSNET SDC Project, Dec. 2009 (manuscript version 1.2). Available from <http://neon.vb.cbs.nl/casc>
2. Jordi Herrera, Òscar Alavedra, Josep Domingo, Àngels Rius, Francesc Sebé and Miquel Soriano, *Tecnologia del Comerç Electrònic*, collection Manuals no. 71, Barcelona: Editorial UOC, 2003. ISBN 84-8318-995-X
3. Josep Domingo i Ferrer and Jordi Herrera i Joancomartí, *Criptografia per als Serveis Telemàtics i el Comerç Electrònic*, collection Manuals no. 31, Barcelona: Editorial UOC, 1999. ISBN 84-8429-007-7. Versi PDF: ISBN 978-84-9788-871-4. [http://www.editorialuoc.cat/index.php?main\\_page=product\\_info&cPath=7&products\\_id=559](http://www.editorialuoc.cat/index.php?main_page=product_info&cPath=7&products_id=559)
4. Josep Domingo i Ferrer, *Estadística tècnica: una introducció constructivista (2nd revised edition)*, collection EINA no. 2, Tarragona: Universitat Rovira i Virgili, 1997. ISBN 84-88693-87-7
5. Josep Domingo i Ferrer, *Integritat del software i identificació distribuïda: contribucions al control d'accés*, Ph. D. Thesis, Departament of Computer Science, Autonomous University of Barcelona, 1991. Bellaterra: Publicacions de la Universitat Autònoma de Barcelona (microfiche), 1992. ISBN 84-7929-142-7

## 12.3 Articles in ISI JCR journals

### 2010

1. Maria Bras-Amorós, Josep Domingo-Ferrer and Vicenç Torra, “A bibliometric index based on the collaboration distance between cited and citing authors”, *Journal of Informetrics* (accepted and published online at <http://dx.doi.org/10.1016/j.joi.2010.11.001>).
2. Josep Domingo-Ferrer and Úrsula González-Nicolás, “Decapitation of networks with and without weights and direction: the economics of iterated attack and defense”, *Computer Networks*, vol. 55, pp. 119-130, 2011. Available online at <http://dx.doi.org/10.1016/j.comnet.2010.07.011>
3. David Rebollo-Monedero, Jordi Forné and Josep Domingo-Ferrer, “From t-closeness-like privacy to postrandomization via information theory”, *IEEE Transactions on Knowledge and Data Engineering*, vol. 22, no. 11, pp. 1623-1636, 2010. Available online at <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5288525&isnumber=435893?tag=1>

4. Lei Zhang, Qianhong Wu, Agusti Solanas and Josep Domingo-Ferrer, "A scalable robust authentication protocol for secure vehicular communications", *IEEE Transactions on Vehicular Technology*, vol. 59, no. 4, pp. 1606-1617, 2010. DOI: 10.1109/TVT.2009.2038222
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6. Josep Domingo-Ferrer and Úrsula González-Nicolás, "Hybrid microdata using microaggregation", *Information Sciences*, vol. 180, no. 15, pp. 2834-2844, 2010.
7. Lei Zhang, Futai Zhang, Qianhong Wu and Josep Domingo-Ferrer, "Simulatable certificateless two-party authenticated key agreement protocol", *Information Sciences*, vol. 180, no. 6, pp. 1020-1030, 2010.

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12. Josep Domingo-Ferrer, Agusti Solanas and Jordi Castellà-Roca, " $h(k)$ -Private information retrieval from privacy-uncooperative queryable databases", *Online Information Review*, vol. 33, no. 4, pp. 720-744, 2009. doi:10.1108/14684520910985693. ISSN 1468-4527.
13. Vanesa Daza, Josep Domingo-Ferrer, Francesc Sebé and Alexandre Viejo, "Trustworthy privacy-preserving car-generated announcements in vehicular ad hoc networks", *IEEE Transactions on Vehicular Technology*, vol. 58, no. 4, pp. 1876-1886, 2009. ISSN: 0018-9545.

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14. Josep Domingo-Ferrer and Agusti Solanas, "A measure of variance for hierarchical nominal attributes", *Information Sciences*, vol. 178, no. 24, pp. 4644-4655, 2008. doi:10.1016/j.ins.2008.08.003  
*Erratum* in the published version: in Section 3, Algorithm 1, Step (6), p. 4646, instead of "append as many zeroes as needed" it should read "append as many  $l_0$  digits as needed". Amended paper downloadable from [http://crises-deim.urv.cat/webCrises/publications/isijcr/nominalvar\\_full\\_corrected\\_erratum.pdf](http://crises-deim.urv.cat/webCrises/publications/isijcr/nominalvar_full_corrected_erratum.pdf) Erratum available at *Information Sciences*, vol. 179, no. 20, p. 3732, 2009. <http://dx.doi.org/10.1016/j.ins.2009.06.019>  
ISSN: 0020-0255.
15. Josep Domingo-Ferrer, Alexandre Viejo, Francesc Sebé and Úrsula González-Nicolás, "Privacy homomorphisms for social networks with private relationships", *Computer Networks*, vol. 52, pp. 3007-3016, 2008. doi: 10.1016/j.comnet.2008.06.017 ISSN 1389-1286.
16. Francesc Sebé, Josep Domingo-Ferrer, Antoni Martínez-Ballesté, Yves Deswarte and Jean-Jacques Quisquater, "Efficient remote data possession checking in critical information infrastructures", *IEEE Transactions on Knowledge and Data Engineering*, vol. 20, no. 8, pp. 1034-1038, Aug. 2008. ISSN 1041-4347
17. Alexandre Viejo, Francesc Sebé and Josep Domingo-Ferrer, "Secure and scalable many-to-one symbol transmission for sensor networks", *Computer Communications*, vol. 31, no. 10, pp. 2408-2413, Jun. 2008. ISSN 0140-3664.
18. Josep Domingo-Ferrer, Francesc Sebé and Agusti Solanas, "A polynomial-time approximation to optimal multivariate microaggregation", *Computers & Mathematics with Applications*, vol. 55, no. 4, pp. 714-732, Feb. 2008. ISSN 0898-1221

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19. Josep Domingo-Ferrer, Joachim Posegga, Francesc Sebé and Vicenç Torra, "Advances in smart cards", *Computer Networks*, vol. 51, pp. 2219-2222, Aug. 2007. ISSN 1389-1286.
20. Francesc Sebé, Alexandre Viejo and Josep Domingo-Ferrer, "Secure many-to-one symbol transmission for implementation on smart cards", *Computer Networks*, vol. 51, pp. 2299-2307, Aug. 2007. ISSN 1389-1286.
21. Agustí Solanas, Josep Domingo-Ferrer, Vanesa Daza and Antoni Martínez-Ballesté, "A distributed architecture for scalable private RFID tag identification", *Computer Networks* vol. 51, pp. 2268-2279, Aug. 2007. ISSN 1389-1286.

22. Francesc Sebé and Josep Domingo-Ferrer, “Scalability and security in biased many-to-one communication”, *Computer Networks*, vol. 51, pp. 1-13, Jan. 2007. ISSN 1389-1286.

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23. Josep Domingo-Ferrer and Francesc Sebé, “Optimal multivariate 2-microaggregation for microdata protection: a 2-approximation”, *Lecture Notes in Computer Science*, vol. 4302, pp. 129-138, Dec. 2006. ISSN 0302-9743. Vol. *Privacy in Statistical Databases-PSD 2006*, Berlin: Springer-Verlag. Acceptance rate: 31/45 (see preface).
24. Vicenç Torra, John Abowd and Josep Domingo-Ferrer, “Using Mahalanobis distance-based record linkage for disclosure risk assessment”, *Lecture Notes in Computer Science*, vol. 4302, pp. 233-242, Dec. 2006. ISSN 0302-9743. Vol. *Privacy in Statistical Databases-PSD 2006*, Berlin: Springer-Verlag. Acceptance rate: 31/45 (see preface).
25. Josep Domingo-Ferrer, Antoni Martínez-Ballesté, Josep M. Mateo-Sanz and Francesc Sebé, “Efficient multivariate data-oriented microaggregation”, *VLDB Journal*, vol. 15, no. 4, pp. 355-369, Nov. 2006. ISSN 1066 8888.
26. Francesc Sebé, Josep Domingo-Ferrer and Jordi Castellà-Roca, “Watermarking numerical data in the presence of noise”, *International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems*, vol. 14, no. 4, pp. 495-508, Aug. 2006. ISSN 0218-4885.
27. Josep Domingo-Ferrer, “Microaggregation for database and location privacy”, *Lecture Notes in Computer Science*, vol. 4032, pp. 106-116, Jul 2006. ISSN 0302-9743. Vol. *Next Generation Information Technologies and Systems-NGITS'2006*, Berlin: Springer-Verlag. Acceptance rate: 28/138 (see preface).
28. Jordi Castellà-Roca, Josep Domingo-Ferrer and Francesc Sebé. “A smart card-based mental poker system”, *Lecture Notes in Computer Science*, vol. 3928, pp. 48-61, Apr. 2006. ISSN 0302-9743. Vol. *Proceedings of IFIP CARDIS'2006*, Berlin: Springer-Verlag. Acceptance rate: 25/71 (see preface).
29. Agustí Solanas and Josep Domingo-Ferrer, “Watermarking non-numerical databases”, *Lecture Notes in Computer Science*, vol. 3885, pp. 239-250, Apr. 2006. ISSN 0302-9743. Vol. *Modeling Decisions for Artificial Intelligence-MDAI'2006*, Berlin: Springer-Verlag. Acceptance rate: 32/98 (see preface).
30. Vicenç Torra, Josep Domingo-Ferrer, Josep M. Mateo-Sanz and Michael Ng, “Regression for ordinal variables without underlying continuous variables”, *Information Sciences*, vol. 176, no. 4, pp. 465-474, Feb. 2006. ISSN 0020-0255

## 2005

31. Josep Domingo-Ferrer and Vicenç Torra, “Privacy in data mining”, *Data Mining and Knowledge Discovery*, vol. 11, no. 2, pp. 117-119, Sep. 2005. ISSN 1384-5810
32. Josep M. Mateo-Sanz, Josep Domingo-Ferrer and Francesc Sebé, “Probabilistic information loss measures in confidentiality protection of continuous microdata”, *Data Mining and Knowledge Discovery*, vol. 11, no. 2, pp. 181-193, Sep. 2005. ISSN 1384-5810
33. Josep Domingo-Ferrer and Vicenç Torra, “Ordinal, continuous and heterogeneous  $k$ -anonymity through microaggregation”, *Data Mining and Knowledge Discovery*, vol. 11, no. 2, pp. 195-212, Sep. 2005. ISSN 1384-5810
34. Jordi Castellà-Roca, Francesc Sebé and Josep Domingo-Ferrer, “Dropout-tolerant TTP-free mental poker”, *Lecture Notes in Computer Science*, vol. 3592, pp. 30-40, 2005. ISSN 0302-9743. Vol. *Trust and Privacy in Digital Business-TrustBus'05*, Berlin: Springer-Verlag. Acceptance rate: 31/120 (see preface).
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38. Antoni Martínez-Ballesté, Josep Domingo-Ferrer and Francesc Sebé, “Large-scale pay-as-you-watch for unicast and multicast communications”, *Lecture Notes in Computer Science*, vol. 3184, pp. 261-268, 2004. ISSN 0302-9743. Vol. *Trust and Privacy in Digital Business-TrustBus'04*, Berlin: Springer-Verlag. Acceptance rate: 29/100 (see preface).

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  11. Josep Domingo-Ferrer, Vince Grolmusz and Francesc Sebé, *Co-Orthogonal Codes in Cryptography, Data Security, Watermarking and Entity Authentication: Final Report*. Final report of the CO-ORTHOGONAL European project (IST-2001-32012), 2003.
  12. The RESET Consortium, *RESET Project Final Roadmap*. Final report of the RESET European project (IST-2001-39046), 2003.
  13. Ruth Brand, Josep Domingo-Ferrer and Josep M. Mateo-Sanz, *Reference data sets to test and compare SDC methods for the protection of numerical microdata*. Deliverable of the CASC project (IST-2000-25069).
  14. Josep M. Mateo-Sanz, Josep Domingo-Ferrer, Francesc Sebé, Antoni Martínez, Àngel Torres and Narcís Macià, *Microaggregation algorithms (software, documentation and related papers)*. Deliverables 1-1.D5 and 1-1.D6 of the CASC project (IST-2000-25069).
  15. Francesc Sebé, Josep Domingo-Ferrer, Josep M. Mateo-Sanz, Antoni Martínez, Àngel Torres and Narcís Macià, *The rankswapping algorithm (software, documentation and related papers)*. Deliverables 1-1.D5bis and 1-1.D6bis of the CASC project (IST-2000-25069).
  16. Josep Domingo-Ferrer, Josep M. Mateo-Sanz and Francesc Sebé, *Experiments on Test Data*. Deliverable D4 of the OTTILIE- $\mathbb{R}$  project, submitted to U. S. Bureau of the Census, Mar. 2001, 26 pp.
  17. Josep Domingo-Ferrer, Josep M. Mateo-Sanz and Francesc Sebé, *Information Loss Metrics*. Deliverable D3 of the OTTILIE- $\mathbb{R}$  project, submitted to U. S. Bureau of the Census, Nov. 2000, 15 pp.

18. Josep Domingo-Ferrer, Josep M. Mateo-Sanz and Francesc Sebé, *Description of Test Data Files and Software Choices*. Deliverable D2 of the OTTILIE- $\mathbb{R}$  project, submitted to U. S. Bureau of the Census, July 2000, 12 pp.
19. Josep Domingo-Ferrer and Josep M. Mateo-Sanz, *On Relevant Statistical Disclosure Control Methods for Continuous Microdata Protection*. Deliverable D1 of the OTTILIE- $\mathbb{R}$  project, submitted to U. S. Bureau of the Census, June 2000, 30 pp.
20. Josep Domingo-Ferrer and Josep M. Mateo-Sanz, *On Resampling for Statistical Confidentiality in Contingency Tables*. Research Report DEI-RR-98-006, Dept. d'Enginyeria Informàtica, Universitat Rovira i Virgili, Apr. 1998, 20 pp.
21. Josep Domingo-Ferrer and Josep M. Mateo-Sanz, *Practical Data-Oriented Microaggregation for Statistical Disclosure Control*. Research Report DEI-RR-98-005, Dept. d'Enginyeria Informàtica, Universitat Rovira i Virgili, Apr. 1998, 22 pp.
22. Josep Domingo-Ferrer, *Simplified Schemes for Anonymous Fingerprinting*. Research Report DEI-RR-98-004, Dept. d'Enginyeria Informàtica, Universitat Rovira i Virgili, Apr. 1998, 10 pp.
23. Javier Castilla, Josep Domingo-Ferrer and Ricardo X. Sánchez del Castillo, *Dikē: Delegation of Information without Knowledge Exposure (4t informe trimestral)*. Research Report DEI-RR-97-017, Dept. d'Enginyeria Informàtica, Universitat Rovira i Virgili, Oct. 1997, 45 pp.
24. Javier Castilla, Josep Domingo-Ferrer and Ricardo X. Sánchez del Castillo, *Dikē: Delegation of Information without Knowledge Exposure (3er informe trimestral)*. Research Report DEI-RR-97-016, Dept. d'Enginyeria Informàtica, Universitat Rovira i Virgili, May 1997, 90 pp.
25. Javier Castilla, Josep Domingo-Ferrer and Ricardo X. Sánchez del Castillo, *Dikē: Delegation of Information without Knowledge Exposure (2on informe trimestral)*. Research Report DEI-RR-97-015, Dept. d'Enginyeria Informàtica, Universitat Rovira i Virgili, Feb. 1997, 58 pp.
26. Javier Castilla, Josep Domingo-Ferrer and Ricardo X. Sánchez del Castillo, *Dikē: Delegation of Information without Knowledge Exposure (1er informe trimestral)*. Research Report DEI-RR-97-014, Dept. d'Enginyeria Informàtica, Universitat Rovira i Virgili, Nov. 1996, 19 pp.
27. Josep Domingo-Ferrer, *Access control for LAN-WAN-LAN communication realized by a router*. Internal Report, Siemens AG Zentralabteilung Forschung und Entwicklung, München, Alemania, Nov. 1990, 85 pp.

28. Josep Domingo i Ferrer, *SICNET: A Securely Installable Cryptographic Network* (in Catalan). Master's Thesis, Departament d'Informàtica, Autonomous University of Barcelona, May 1989, 195 pp.

## 15 Invited talks, courses and book forewords

1. J. Domingo-Ferrer, "The theory of coprivacy and its applications to sustainable privacy", invited plenary talk within *Workshop on Computational Security*, Bellaterra, Catalonia, Sep. 12-16, 2011.
2. J. Domingo-Ferrer, "User privacy in web search", invited talk within *MDAI 2010-Modeling Decisions for Artificial Intelligence*, Perpinyà, Northern Catalonia, Oct. 27, 2010.
3. J. Domingo-Ferrer (with M. Bras-Amorós and V. Torra), "A bibliometric index based on collaboration distances", invited talk within *MDAI 2010-Modeling Decisions for Artificial Intelligence*, Perpinyà, Northern Catalonia, Oct. 28, 2010.
4. J. Domingo-Ferrer, "Emerging privacy issues", round table participation within *The Public Voice Civil Society Meeting "New Generation Privacy Challenges and Opportunities"* held in conjunction with the *32nd Intl. Conference of Data Protection and Privacy Commissioners* and organized by The Public Voice Coalition-Electronic Privacy Information Center, Jerusalem, Israel, Oct. 25, 2010.
5. J. Domingo-Ferrer, "¿Privacidad, seguridad o funcionalidad en la sociedad de la información? Soluciones para tenerlo todo", invited talk within the course *El programa CONSOLIDER y el periodismo científico*, Universidad Internacional Menéndez y Pelayo, Santander, July 1, 2010.
6. J. Domingo-Ferrer, "Advanced REsearch on information Security and privacy: The CONSOLIDER ARES Project", invited talk within *MICINN-DST Joint Workshop on Information and Communication Technologies*, Bangalore, India, June 3-4, 2010.
7. J. Domingo-Ferrer, "Peer-to-peer private information retrieval", invited plenary talk within *SAR-SSI 2010 - 5th Conf. on Network Architectures and Information Systems Security*, Roquebrune Cap-Martin, France, May 21, 2010. <http://www.hds.utc.fr/sarssi2010/>
8. J. Domingo-Ferrer, "Applications of the zeta function in data mining", invited plenary talk within *2nd International Workshop on Zeta Functions in Algebra and Geometry*, Palma de Mallorca, May 3-7, 2010. <http://www.singacom.uva.es/oldsite/seminarios/WorkshopMA/>

9. J. Domingo-Ferrer, “Progrès autour de la sécurité et de la vie privée dans les communications véhiculaires”, invited plenary talk within *5me Atelier sur la vie privée en commerce électronique*, Université de Montréal, Québec, May 1, 2010. <http://www.iro.umontreal.ca/~gambssseb/prive06-workshop/>
10. J. Domingo-Ferrer, “The UNESCO Chair in Data Privacy Research in Car-to-Car Communication”, keynote talk at ETHICOMP 2010, Tarragona, Catalonia, April 14, 2010. <http://www.ccsr.cse.dmu.ac.uk/conferences/ethicomp/ethicomp2010/>
11. J. Domingo-Ferrer, invited foreword to the book J. Herranz and J. Nin (eds.), *Privacy and Anonymity in Information Management Systems*, Springer, 2010. DOI:10.1007/978-1-84996-238-4\_1
12. J. Domingo-Ferrer, “The UNESCO Chair in Data Privacy Research in Vehicular Networks”, invited plenary talk shared by two ESORICS 2009 workshops, DPM 2009 and SETOP 2009, Saint-Malo, France, September 24, 2009.
13. J. Domingo-Ferrer and J. Castellà-Roca, “El proyecto ARES (Seguridad y Privacidad de la Información) y la creación de empresas de base tecnológica”, invited talk within the CONSOLIDER course, Universidad Internacional Menéndez y Pelayo, Santander, July 20, 2009.
14. J. Domingo-Ferrer, “El projecte CONSOLIDER ”ARES“ sobre seguretat i privadesa de la informació”, invited talk, *BDigital Global Congress, 11th Edition*, Barcelona, May 18, 2009.
15. J. Domingo-Ferrer, “ARES Project: Advanced Research on Information Security and Privacy”, invited talk, *Encuentros CONSOLIDER 2009: Fuente de ideas para innovación. Encuentro TIC: Telecomunicaciones y Sociedad de la Información*, Ministerio de Ciencia e Innovación y Parque Tecnológico de Andalucía, Málaga, February 27, 2009.
16. J. Domingo-Ferrer, “Seguretat i privadesa en xarxes vehiculars”, invited talk, Departament de Matemàtiques, Universitat Autònoma de Barcelona, Bellaterra, Catalonia, February 25, 2009.
17. J. Domingo-Ferrer, invited foreword to the book A. Solanas and A. Martínez-Ballesté (eds.), *Advances in Artificial Intelligence for Privacy Protection and Security*, World Scientific, 2009. ISBN 978-981-279-032-3
18. J. Domingo-Ferrer, “Matemàtiques, informació i privadesa”, invited talk, Fundació Quer Alt, Castell dels Comtes, Santa Coloma de Queralt, Catalonia, December 13, 2008.
19. J. Domingo-Ferrer, “Information-theoretic risk and utility measures for microdata”, invited talk, *3rd IAB Workshop on Confidentiality and Disclosure - SDC for Microdata*, Nürnberg, Germany, November 20, 2008.

20. J. Domingo-Ferrer, "Überblick der Arbeit des ARES-Projektes im Bereich Sicherheit und Privacy für VANET Kommunikation", invited talk, Siemens Zentralabteilung Forschung und Entwicklung (Siemens Corporate R+D), München, Germany, November 18, 2008.
21. J. Domingo-Ferrer, "Safety and privacy in vehicular communications", keynote talk, *Workshop on Privacy in Location-Based Services-PILBA'2008*, within *ESORICS 2008*, Málaga, Spain, October 9, 2008.
22. J. Domingo-Ferrer, "El control social a través de la videovigilancia", round-table talk within *1er Congreso Internacional sobre Imagen, Cultura y Tecnología*, Instituto de Cultura y Tecnología, Universidad Carlos III de Madrid, Madrid, Spain September 3, 2008.
23. J. Domingo-Ferrer, "La matemàtica i la privadesa de la informació: un exemple de privadesa en xarxes vehiculars", XXV Universitat d'Estiu de Gandia, Gandia, July 18, 2008.
24. J. Domingo-Ferrer, "Privadesa i accessibilitat de dades sanitàries", round-table talk within *Jornada Eficiència i Confidencialitat*, Department of Health, Government of Catalonia, Barcelona, June 17, 2008.
25. J. Domingo-Ferrer, "The ARES project: privacy technologies in the information society", *INTERCONSOLIDER i-MATH and ARES Meeting*, Castro-Urdiales, Spain, May 15-16, 2008.
26. J. Domingo-Ferrer, "Location privacy via unlinkability: an alternative to cloaking and perturbation", keynote talk, *PAIS 2008, 1st Workshop on Privacy and Anonymity in the Information Society, EDBT 2008-11th International Conference on Extending Database Technology*, Nantes, March 29, 2008.
27. J. Domingo-Ferrer, "A critique of  $k$ -anonymity and some of its enhancements", keynote talk, in *PSAI'2008-ARES Workshop on Privacy and Security Through Artificial Intelligence*, Barcelona, March 4, 2008.
28. J. Domingo-Ferrer, "Combining trust and privacy in car-generated announcements over vehicular ad hoc networks", invited talk, *First Interdisciplinary Workshop on Mobility, Data Mining and Privacy*, Rome, February 14, 2008.
29. J. Domingo-Ferrer, "Jornada-Debat'07: La Recerca, la Innovació i la Col·laboració Universitat-Empresa", Cercle per al Coneixement, UPC, Barcelona. Catalonia. Round table talk: "Experiències d'empreses tecnològiques TIC" ("Experiences of ICT start-up companies"). Nov. 15, 2007.
30. J. Domingo-Ferrer, Series "El fotoperiodisme a la comunicació contemporània", Caja Madrid Obra Social i Lunwerg Editores, Barcelona,

- Catalonia. Invited talk: "El testimoni visual davant de la videovigilància" ("Eye witnesses vs. videosurveillance"). Nov. 9, 2007.
31. J. Domingo-Ferrer, Centre de Recerca Matemàtica, Catalonia. Conference on Cryptology and Digital Content Security, Special Activity: Privacy and Security for Citizens, Corporations and Governments. Talk: "Privacy technologies in the information society". May 2007.
  32. J. Domingo (prepared jointly with V. Torra). Manchester University, Catherine Marsh Centre for Census and Survey Research, Manchester, UK. Talk: "Data mining from multiple data sets". Jan. 2007.  
[http://redress.lancs.ac.uk/resources/imp\\_template.php?creator=Domingo-Ferrer%20Josep&title=Data%20Mining%20From%20Multiple%20Datasets](http://redress.lancs.ac.uk/resources/imp_template.php?creator=Domingo-Ferrer%20Josep&title=Data%20Mining%20From%20Multiple%20Datasets)
  33. J. Domingo. COSIC, Katholieke Universiteit Leuven, Belgium. Talk: "Transparent data protection and the CRISES group". Nov. 2005.
  34. J. Domingo. Acadèmia de Ciències Mèdiques, Barcelona. Talk: "Privadesa en bases de dades estadístiques". Sep. 2005.
  35. J. Domingo. Université Laval, Québec, Canada. Colloque Francophone sur les Sondages. Talk: "k-Anonymat ordinal, continu et hétérogéné par micro-agrégation". May 2005.
  36. J. Domingo. Manchester University, Catherine Marsh Centre for Census and Survey Research, Manchester, UK. Talk: "Balancing data utility and disclosure risk in statistical disclosure control of individual data". May 2005.
  37. J. Domingo. CNRS-Centre Quetelet, Paris. Talk: "Micro-agrégation pour l'anonymisation des données: survol et comparaison de performance". Jan. 2005.
  38. J. Domingo. EU Joint Research Center, Institute for Prospective Technological Studies, Seville. Talk: "Towards European-wide public-use microdata files: a roadmap". Jan. 2005.
  39. J. Domingo. IBM Almaden Research Center, San Jose CA, USA. Talk: "Algorithm-based attacks against SDC methods for privacy in statistical databases". Aug. 2004.
  40. J. Domingo. Universidad de la Laguna, Tenerife. Talk: "Certificación a gran escala de claves públicas: problemas y soluciones relativos a la revocación". Nov. 2003.
  41. J. Domingo. ISTAT (Istituto Italiano di Statistica). AMRADS Final Conference. Talk: "The SDC Workshop and Microdata Protection". 25 Nov. 2003.

42. J. Domingo. Societat Catalana de Matemàtiques, Institut d'Estudis Catalans. Round table on "Cryptography". Invited speaker. 7 May 2003.
43. J. Domingo. National Science Foundation, Washington D.C., U.S.A. Talk: "Advanced Record Linkage Methods to Assess Risk" within the *NSF Confidentiality Workshop*. May 2003.
44. J. Domingo. Universität Tübingen, Institut für Angewandte Wirtschaftsforschung, Tübingen, Germany. Talk: "Konzepte zur Bewertung von anonymisierten Datensätzen" within the workshop *Faktische Anonymisierung wirtschaftsstatistischer Einzeldaten*. Mar. 2003.
45. J. Domingo. Université Catholique de Louvain, Département DICE, Louvain-la-Neuve, Belgique. Talk: "Certification asynchrone à grande échelle avec des arbres de vérification de certificats". Jan. 2003.
46. J. Domingo. Dia de l'Estadística a Catalunya, Universitat Autònoma de Barcelona. Talk: "Protecció de bases de dades estadístiques o la lluita contra el *big brother*". Oct. 2002.
47. J. Domingo. U.S. Bureau of the Census, Washington DC, USA. Two talks: "Disclosure protection methods and information loss for microdata" and "A quantitative comparison of disclosure control methods for microdata". Jan. 2002.
48. J. Domingo and F. Sebé. Jornadas de Ingeniería Telemática (JITEL'2001), Universitat Politècnica de Catalunya, Barcelona. Tutorial: "Protección de la propiedad intelectual de contenidos multimedia". Sep. 2001.
49. J. Domingo. Màster en Gestió de la Innovació, Universitat Autònoma de Barcelona-F2I, Sabadell. Talks: "Signatura electrònica", "Certificació electrònica". May 2001.
50. J. Domingo. Eurostat, Luxemburg. Talk: "Reducing information loss and increasing safety in microaggregation of business data". Oct. 2000.
51. J. Domingo. Universitat Pompeu Fabra, Dept. de Tecnologia, Barcelona. Talk: "Security issues in electronic commerce of multimedia contents". Mar. 2000.
52. J. Domingo. Universitat Politècnica de Catalunya, Facultat d'Informàtica, Barcelona. Talk: "Protecció del copyright electrònic". Dec. 1999.
53. J. Domingo. U. S. Bureau of the Census, Washington D. C., USA. Talk: "Microdata masking methods", within the workshop *Optimizing Data Utility Within Framework of Confidentiality*. May 1999.

54. J. Domingo. Universitat Autònoma de Barcelona, Departament d'Informàtica, Bellaterra. Talk: "Statistical Disclosure Control: A Critical Analysis of Some Methods; Applications of Privacy Homomorphisms". Bellaterra. Mar. 1997.
55. J. Domingo. Universitat Autònoma de Barcelona, Departament d'Informàtica, Bellaterra. Seminar: "Cryptography: Looking into the Future". Mar.-Apr. 1996.
56. J. Domingo. KAO Corporation, R+D Lab, Barberà del Vallès. Course: "Disseny estadístic d'experiments". Oct.-Dec. 1995.
57. J. Domingo. École Supérieure des Postes et des Télécommunications de Tunis, Tunisia. Course: "Cryptographie: principes et applications". May 1995.
58. J. Domingo. Siemens AG, Zentralabteilung Forschung und Entwicklung. Talk: "Access Control for LAN-WAN-LAN Communication Realized by a Router". Nov. 1990.
59. J. Domingo. Universitat de les Illes Balears, Palma de Mallorca. Talk: "Xarxes criptogràfiques: SICNET". Jun. 1989.