

CURRICULUM VITAE

Sergi Jordà Puig

19th October 2011

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SUMMARY

1. Personal data

Family names and First name	Spanish ID card (DNI)	
Jordà Puig, Sergi	46225667Z	
Nationality	Birth date	Sex
Spanish	15/11/1961	Male
Address		
Riereta 16, 2-1, 08001 Barcelona		

2. Current professional situation

Institution	Centre	
Universitat Pompeu Fabra	Escola Superior de Tecnologia (ESUP)	
Department		Address
Departament de Tecnologies de la Informació i les Comunicacions		Roc Boronat 138
City Code	City	Province
08018	Barcelona	Barcelona
Current professional position	Initial date	
Associate Professor (Professor Agregat)	22/06/2011	
Dedication	Speciality (UNESCO codes)	
Full time	3307.02, 2201.03	

3. Academic formation

University degree	Centre	Date of completion
"Licenciatura" in Fundamental Physics (5 years BSc)	Universitat de Barcelona (UB)	21/04/1987
Doctorate	Centre	Date of completion
PhD in Computer Science and Digital Communication	Universitat Pompeu Fabra	21/06/2005
Other postgraduate studies	Centre	Date of completion
1.Master in Artificial Intelligence	1.Facultad de Ciencias, UNED	1.1992
2.Advanced Studies Diploma (DEA)	2.Universitat Pompeu Fabra	2.14/12/2001

4. Doctoral thesis

Title: Digital Lutherie: Crafting Musical Computers For New Musics' Performance and Improvisation

Directors: Dr. Xavier Serra i Casals

University: University Pompeu Fabra

Department: Doctorat d'Informàtica and Comunicació Digital

Qualification: Excellent Cum Laude by unanimity

European PhD: No

Date of the thesis defence: 21/06/2005

Date of the title expedition: 31/10/2005

Number of citations: 55 (Google Scholar, retrieved 19th October 2011)

The thesis was selected by Leonardo ISAST Abstracts Service (LABS) as one of the 4 more relevant theses of 2006, between all the theses written worldwide in English or in Spanish, in the intersection of art, science and technology.

5. Scientific or Professional activities before the current situation

Situation/post	Institution	Period
Programmer Analyst	Sema-Metra, Madrid	1987-1988
PhD Research Grant	Instituto Torres Quevedo, CSIC, Madrid	1988-1989
PhD Student	UNED	1989-1992
Computer programming teacher	Escuela Sistemas Informáticos (ESI), Madrid	1990-1992
PhD Research Grant	Laboratorio de Electrónica e Informática Musical, Ministerio de Cultura, Madrid	1991-1992
Computer programming teacher	Escola de Sistemes Informàtics (ESI), Barcelona	1992-1997
PhD Research Grant	Fundació Phonos, Barcelona	1992-1993
Multimedia & Interaction freelance developer	Freelance (per a clients com la Fura dels Baus, SGAE, Marcel·lí Antúnez, etc.)	1992-1999
Media Art Master teacher	Institut Universitari Audiovisual, Universitat Pompeu Fabra	1992-1999
Computer Music teacher	Institut del Teatre de Terrassa	1997-1998
Media Art Master teacher	Escola Superior de Disseny (ESDI) de Sabadell, (vinculada a la Universidad Ramón Llull)	1997-1998
<i>Professor Associat</i>	Departament de Tecnologia de la Universitat Pompeu Fabra	25/09/1999- 24/09/2005
Visitant Professor (<i>professor visitant</i>)	Departament de Tecnologia de la Universitat Pompeu Fabra	25/09/2005- 24/09/2006
Computer & Interactive Music professor	Escola Superior de Musica de Catalunya (ESMUC)	01/01/2006-present
Lecturer (<i>lector</i>)	Departament de Tecnologia de la Universitat Pompeu Fabra	25/09/2006- 21/06/2011
Company Co-founder	Reactable Systems	25/02/2009-present
Associate Professor (<i>professor agregat</i>)	Departament de Tecnologia de la Universitat Pompeu Fabra	22/06/2011-present

6. Accreditations

ANECA accreditation (*Profesor Ayudante Doctor*) obtained the 1st of March 2006

AQU Research accreditation (*Professor Agregat*) obtained the 5th of February 2010.

Positive evaluation of the research activities by the AQU (*avaluació de l'activitat investigadora*) for the period 2004-2009, confirmed the 6th of July 2010.

7. Languages (C = average, B = well, A = very well)

Language	Speak	Read	Write
1. Spanish	1. A	1. A	1. A
2. English	2. A	2. A	2. A
3. French	3. A	3. A	3. A
4. Catalan	4. A	4. A	4. A
5. Italian	5. B	5. B	5. C

8. Scientific Publication Citation Counting Summary¹

Citations: 985

Cited Publications: 53

Most cited publication: 224

H-Index: 15

¹ Retrieved from Google Scholar, the 19th October 2011

9. Scientific and Academic Career Summary

Sergi Jordà's singular scientific and professional career path which resulted in his unique multidisciplinary approach can be better appreciated by understanding his long-term passion for scientific research, music and artistic creativity, and his desire to intertwine those elements in innovative ways.

I hold a degree in Fundamental Physics (1986). During my undergraduate years, which I combined with music studies at the Conservatory, I discovered computer programming and decided to fully devote myself to live computer music. This was a completely novel area of research in Spain at that time with no previous record. After graduation I decided to work as a software developer in industry, while continuing to research computer music at home. After three years of self-initiated education and research, I continued my scientific career with a grant from the Spanish *Centro Superior de Investigaciones Científicas* (CSIC) in Madrid, to work on speech synthesis and spectral sound synthesis models, and began doctoral studies in Artificial Intelligence at the *Universidad Nacional de Educación a Distancia*. During this period I also began presenting my first academic papers, still as a "freelance researcher", at conferences such as the *International Computer Music Conference* (ICMC).

With very little research available in this area in Spain in the early 1990s, I engaged in collaborative practice with Catalan artists as an interactivity specialist. Throughout the 1990s I conceived and developed interactive installations (*Joan the Meat Man; Epizoo*), multimedia performances such as *Afasia* and applications for collaborative music creation over the Internet (*FMOL*), in collaboration with internationally renowned Catalan artists such as Marcel.í Antunez or La Fura dels Baus. For these works, considered internationally relevant in their field, I got several Spanish and international awards (e.g. *Bourges music software*, *Möbius International*, *Ciutat de Barcelona*, *Arco*, etc.), and I started giving lectures and seminars around the world.

I continued my scientific and academic career in 1999, when the University Pompeu Fabra initiated the Computer Engineering Faculty (DTIC), together with a research group in computer music, the *Music Technology Group* (MTG), headed by Dr. Xavier Serra. This allowed me to launch a more orthodox career as a PhD candidate, researcher, and teacher, with the full support of the university. I began teaching courses in Computer Engineering Studies (ESUP), I enrolled in a series of new doctorate courses, directed and participated in several of the MTG's research projects, published articles in scientific journals, presented papers at conferences, obtained a *Diploma for Advances Studies* in 2001 and, finally, defended my PhD dissertation in 2005. Officially my academic career started in this period, although I could not have accomplished it without the knowledge, vision and experience gained in the professional and artistic world throughout the 1990s.

Within the MTG, I currently coordinate several European projects and a research team that focuses in human machine interaction (HCI), with a special emphasis on real time music performance. A first result of this gradual convergence between computer music performance and research in a more Generalist HCI, is the project on tangible interfaces Reactable, which in 2007 gets international repercussion, when Icelandic singer Björk incorporates a Reactable in her world tour Volta. By the end of 2007, with hundreds of articles in international magazines and general press, hundreds of lectures and presentations around the world, national and international presentations on television, the project had accomplished unparalleled mass popularity for a project of academic origin. Between 2006 and 2009, the Reactable team gave more than 250 presentations and concerts in 30 countries, turning it into one of the most worldwide acclaimed new musical instruments of the 21st century. Declared the Hot Instrument of the Year by the Rolling Stone Magazine (2007), the Reactable has received many prestigious international awards such as the Prix Ars Electronica Golden Nica for Digital Music (2008), two D&AD Yellow Pencil Awards (2008), the MIDEM Hottest Music Biz Start- Up Award (2008) or the Ciutat de Barcelona (2007).

The technology transfer generated by the Reactable has also been quite relevant (between 2006 and 2008, UPF sold 12 Reactable units to institutions on three continents). Within this growing trend, in March 2009, the group decided to create Reactable Systems, the third spin-off of UPF, with the participation of the university, the four researchers that led the project, and Xavier Serra, head of the MTG research group. While the three other Reactable's original researchers are working full-time for the company, I decided to stay within the academy, obtaining a tenure-track position at UPF in 2007 and pursuing a longer-term research within the framework of the MTG, in the field of tangible interaction and surface computing.

Apart from pursuing the research in the domain of musical performance and real-time interaction, some of the newer topics we are investigating fall outside of the music domain: (i) the potential of surface computing in areas such as edutainment, children, elderly and special needs people; conflict resolution and collaborative decision making; (ii) the potential of this types of interfaces to enhance creative collaboration through effective emotional communication; or extending surface computing interaction beyond the surface. For some of these projects, the team is starting to collaborate with specialists from other fields, such as artificial intelligence, cognitive science and neuroscience, sociology and education.

RESEARCH ACTIVITIES

1. Projects

1.1 Direction and participation in competitive research projects

Project title	CUIDADO
Funding entity	EC
Project Reference	IST-1999-20194
Granted amount	394.320 EURO
Participating entities	Artspages (Norway), Ben Gurion University (Israel), Creamware GmbH (Germany), IRCAM (France), Oracle Spain (Spain), Sony, Computer Science Laboratory (France), UPF (Spain)
Duration	from 01/01/2001 to 31/12/2003
Principal Investigator	Xavier Serra i Casals
Number of investigators	4

Project title	AGNULA
Funding entity	EC
Project Reference	IST-2001-34879
Granted amount	270.631 EURO
Participating entities	CCRMA, Stanford University (USA), Firenze Tecnologia (Italy), Ircam (France), Kungl Tekniska Hogskolan (Sweden), Red Hat (France), University Pompeu Fabra (Spain)
Duration	from 31/03/2002 to 31/03/2004
Principal Investigator	Xavier Serra i Casals
Number of investigators	6

Project title	Semantic Hifi
Funding entity	EC
Project Reference	IST-507913
Granted amount	217.000 EURO
Participating entities	Ben Gurion University (Israel), Fraunhofer Institute (Germany), IRCAM (France), Native Instruments (Germany), Sony Csl (France), Sony Eutec (Germany), University Pompeu Fabra
Duration	from 01/12/2003 to 30/11/2006
Principal Investigator	Sergi Jordà i Puig
Number of investigators	4

Project title	Promusic
Funding entity	Ministerio de Ciencia y Tecnología
Project Reference	TIC2003-07776-C02-00
Granted amount	80.000 EURO
Participating entities	IIla-Csic, University Pompeu Fabra
Duration	from 01/12/2003 to 30/11/2006
Principal Investigator	Xavier Serra i Casals
Number of investigators	4

Project title	MODEM
Funding entity	EC
Project Reference	2005- I/05/B/F/PP - 154059
Granted amount	50.000 EURO
Participating entities	Brighton Art (UK), Isti/Cnr (Italy), ITS Deffenu (Italy), Mi7 (Sweden), Midiware (Italy), Sintagma (Italy), Steinberg France (France), UPF (Spain)
Duration	from 01/10/2005 to 30/09/2006
Principal Investigator	Sergi Jordà i Puig
Number of investigators	3

Project title	The Tangible Media Center
Funding entity	Microsoft Research Cambridge (UK)
Granted amount	115.000 EURO
Participating entities	UPF
Duration	from 01/05/2006 to 01/05/2007
Principal Investigator	Sergi Jordà i Puig
Number of investigators	3

Project title	Createworlds: una plataforma para el aprendizaje creativo sobre mesas interactivas
Funding entity	Ministerio de Ciencia e Innovación
Project Reference	TIN2010-20488 (subprograma TSI)
Granted amount	23.000 EURO
Participating entities	Universidad Politecnica De Valencia, Universitat Pompeu Fabra
Duration	From 01/01/2011 to 31/12/2013
Principal Investigator	Javier Jaén Martínez
Number of investigators	3

Project title	Teclepatía: mecanismos de comunicación subliminales en entornos de trabajo colaborativo
Funding entity	Ministerio de Ciencia e Innovación
Project Reference	247011601-11601-6-110
Granted amount	53.750 EURO
Participating entities	Universitat Pompeu Fabra
Duration	From 10/01/2011 to 09/01/2012
Principal Investigator	Sergi Jordà i Puig
Number of investigators	2

1.2 Direction and participation in non competitive research projects

Project title	Libre Blanc de les Indústries Culturals
Funding entity	Institut Català de les Indústries Culturals (Generalitat de Catalunya)
Participating entities	Universitat Pompeu Fabra
Duration	from 18/03/2002 to 18/09/2002
Principal Investigator	Xavier Cubelles i Bonet
Number of investigators	5

Project title	Desarrollo de propuestas para aplicaciones distribuidas
Funding entity	Telefónica Investigación y Desarrollo
Participating entities	Universitat Pompeu Fabra
Duration	from 25/06/2002 to 24/06/2003
Principal Investigator	Vicente López Martínez
Number of investigators	2

Project title	Projecte prebàsic de continguts i activitats per als espais de L'Illa de Blanes
Funding entity	Consorci Portal Costa Brava-Illa de Blanes
Participating entities	Design Lab (UK), Projectes Culturals and Associats (Barcelona), Fundació Barcelona Media UPF
Duration	from 15/10/2003 to 30/10/2004
Principal Investigator	Vicente López Martínez
Number of investigators	7

Project title	La Mar Dels Sentits
Funding entity	Consorci Portal Costa Brava-Illa de Blanes
Granted amount	200.000 EURO
Participating entities	Fundació Barcelona Media UPF
Duration	from 05/07/2005 to 30/12/2005
Principal Investigator	Vicente López Martínez
Number of investigators	3

1.3 Participation in research contracts and technology transfer of particular relevance to companies and / or administrations

Title of the contract	Daisy
Funding entity/company	Yamaha Corporation (Japan)
Granted amount	589.718,64 EURO
Participating entities	UPF
Duration	from 01/03/2000 to 31/05/2003
Principal Investigator	Xavier Serra i Casals
Number of investigators	3

Title of the contract	Disseny i construcció de quatre portals d'Internet
Funding entity/company	Consorci del Gran Teatre del Liceu de Barcelona
Granted amount	12.000 EURO
Participating entities	UPF
Duration	from 02/11/2002 to 01/07/2003
Principal Investigator	Sergi Jordà i Puig
Number of investigators	3

Title of the contract	Reactable Cosmocaixa
Funding entity/company	Cosmocaixa, Fundació Caixa d'Estalvis and Pensions de Barcelona
Granted amount	21.300 EURO
Participating entities	UPF
Duration	2006
Principal Investigator	Sergi Jordà i Puig
Number of investigators	4

Title of the contract	Reactable Björk
Funding entity/company	Wellhart Ltd
Granted amount	10.500 EURO
Participating entities	UPF
Duration	2007
Principal Investigator	Sergi Jordà i Puig
Number of investigators	4

Title of the contract	Reactable Montreal
Funding entity/company	Montreal Science Center (Canada)
Granted amount	20.000 EURO
Participating entities	UPF
Duration	2007
Principal Investigator	Sergi Jordà i Puig
Number of investigators	4

Title of the contract	Reactable Laboral
Funding entity/company	Laboral Centro de Arte (Gijón, España)
Granted amount	12.000 EURO
Participating entities	UPF
Duration	2007
Principal Investigator	Sergi Jordà i Puig
Number of investigators	4

Title of the contract	Reactable Cosmocaixa (2)
Funding entity/company	Cosmocaixa, Fundació Caixa d'Estalvis i Pensions de Barcelona
Granted amount	3.000 EURO
Participating entities	UPF
Duration	2007
Principal Investigator	Sergi Jordà i Puig
Number of investigators	4

Title of the contract	Reactable Milwaukee
Funding entity/company	Discovery World Milwaukee (USA)
Granted amount	33.590 EURO
Participating entities	UPF
Duration	2008
Principal Investigator	Sergi Jordà i Puig
Number of investigators	4

Title of the contract	Reactable Chicago
Funding entity/company	Museum of Science and Industry, Chicago (USA)
Granted amount	26.200 EURO
Participating entities	UPF
Duration	2008
Principal Investigator	Sergi Jordà i Puig
Number of investigators	4

Title of the contract	Reactable Papalote
Funding entity/company	Museo Papalote del Niño, San Luís Potosí (México)
Granted amount	23.500 EURO
Participating entities	UPF
Duration	2008
Principal Investigator	Sergi Jordà i Puig
Number of investigators	4

Title of the contract	Reactable Atenas
Funding entity/company	Polymechanon, Atenas (Grecia)
Granted amount	12.000 EURO
Participating entities	UPF
Duration	2008
Principal Investigator	Sergi Jordà i Puig
Number of investigators	4

Title of the contract	Reactable Winchester
Funding entity/company	INTECH Science Center, Winchester (UK)
Granted amount	25.500 EURO
Participating entities	UPF
Duration	2008
Principal Investigator	Sergi Jordà i Puig
Number of investigators	4

Title of the contract	Reactable Ars Electronica
Funding entity/company	Ars Electronica Center, Linz (Austria)
Granted amount	12.000 EURO
Participating entities	UPF
Duration	2008
Principal Investigator	Sergi Jordà i Puig
Number of investigators	4

Title of the contract	Reactable Yamaguchi
Funding entity/company	Yamaguchi Centre for Arts and Media (Japón)
Granted amount	10.000 EURO
Participating entities	UPF
Duration	2008
Principal Investigator	Sergi Jordà i Puig
Number of investigators	4

Title of the contract	Reactable Sevilla
Funding entity/company	Museo de Arte Contemporáneo de la Cartuja, Sevilla
Granted amount	4.000 EURO
Participating entities	UPF
Duration	2008
Principal Investigator	Sergi Jordà i Puig
Number of investigators	4

Title of the contract	Reactable ESOF ²
Funding entity/company	Fundació Catalana per la recerca
Granted amount	1.200 EURO
Participating entities	UPF
Duration	2008
Principal Investigator	Sergi Jordà i Puig
Number of investigators	4

Title of the contract	Hendrix
Funding entity/company	Reactable Systems, Barcelona
Granted amount	5.000 EURO
Participating entities	UPF
Duration	2008
Principal Investigator	Sergi Jordà i Puig
Number of investigators	2

² After February 2009, most of the contracts and technology transfer activities related to the Reactable project, are managed by the UPF spin-off company Reactable Systems, of which I am the co-founder.

2. Publications

2.1 Articles in peer-reviewed journals

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	«Faust Music On Line: (FMOL) An Approach To Real-Time Collective Composition On The Internet»
Journal	<i>Leonardo Music Journal</i> Vol.: 9 Pag., begin: 5 final: 12
Year	1999
Editor	MIT Press
Place of publication	Cambridge, MA. (USA)
Impact Index (SCI/SSCI/AHCI)	0,038 (SJR SCImago) ³
Number of citations (SCI/SSCI/AHCI)	Google Scholar 59, ISI 9 ⁴

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	«FMOL: Toward User-Friendly, Sophisticated New Musical Instruments»
Journal	<i>Computer Music Journal</i> Number: 3 Vol.: 26 Pag., begin: 23 final: 39
Year	2002
Editor	MIT Press
Place of publication	Cambridge, MA. (USA)
Impact Index (SCI/SSCI/AHCI)	0,486 (JCR), 0,044 (SCR SCImago)
Number of citations (SCI/SSCI/AHCI)	Google Scholar 38, ISI 3
Quartile and area (SCI/SSCI/AHCI)	Q2 Computer Science Applications (SCImago), 46/80 Computer Science, Interdisciplinarity ⁵

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	«Improvising with Computers: A Personal Survey (1989-2001)»
Journal	<i>Journal of New Music Research</i> Number: 1 Vol.: 31 Pag., begin: 1 final: 10
Year	2002
Editor	Routledge, Part of the Taylor & Francis Group
Place of publication	Holland
Impact Index (SCI/SSCI/AHCI)	0,2 (JCR)
Number of citations (SCI/SSCI/AHCI)	Google Scholar 25, ISI 2
Quartile and area (SCI/SSCI/AHCI)	74/80 Computer Science, Interdisciplinarity

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	«Instruments and Players: Some Thoughts on Digital Lutherie»
Journal	<i>Journal of New Music Research</i> Number: 3 Vol.: 33 Pag., begin: 321 final: 341
Year	2004
Editor	Routledge, Part of the Taylor & Francis Group
Place of publication	Holland
Impact Index (SCI/SSCI/AHCI)	0,431 (JCR)
Number of citations (SCI/SSCI/AHCI)	Google Scholar 13, ISI 1
Quartile and area (SCI/SSCI/AHCI)	74/80 Computer Science, Interdisciplinarity

³ The journal is not indexed in the JCR but it is indexed (an abstracts are included) in Current Contents, abstracts rilm, aata, Arts and Humanities Citation Index, RLIN, dialog, artbibliographies, modern bibliography of the history of art, Avery index to architectural periodicals, art index and index research. The magazine is one of the most important in the field of art and technology. Published by MIT Press in English, it is a strongly interdisciplinary magazine markedly, with external evaluation by peers, with an international scientific committee and an exclusive content of research articles, the authors of which are not linked to the publishing institution.

⁴ This article is currently the 3rd most cited in the history of the journal
<http://www.mitpressjournals.org/action/showMostCitedArticles?journalCode=lmj>

⁵ This magazine, published by MIT Press, is the largest worldwide in the field of computer music. Its relatively low impact rate is due to the field it applies, much less popular than other fields of science, technology or computer engineering. This also explains its position in a too broad area, that encompasses all the publications that address computer science from an interdisciplinary perspective.

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	«On Stage: the Reactable and other Musical Tangibles go Real»
Journal	<i>International Journal of Arts and Technology</i> Number: 3/4 Vol.: 1 Pag., begin: 268 final: 287
Year	2008
Editor	Inderscience Enterprises Ltd.
Place of publication	Genève (Suisse)
Number of citations (SCI/SSCI/AHCI)	Google Scholar 9
 Authors (by order of signature)	 SERGI JORDÀ PUIG, Carles F. Julià, Daniel Gallardo
Title	«Interactive Surfaces an Tangibles»
Journal	<i>Crossroads, The ACM Magazine for Students</i> Núm.: 16 Vol.: 4 Pàg., inicial: 21 final: 28
Year	2010
Editor	Association for Computing Machinery (ACM)
Place of publication	New York, NY (USA)
Number of citations (SCI/SSCI/AHCI)	Google Scholar 1
 Authors (by order of signature)	 Günter Geiger, Nadine Alber, SERGI JORDÀ PUIG and Marcos Alonso
Title	«The Reactable: A Collaborative Musical Instrument for Playing and Understanding Music»
Journal	<i>Her&Mus. Heritage & Museography</i> Núm.: 4 Pàg., inicial: 36 final: 43
Year	2010
Editor	Ediciones Trea
Place of publication	Gijón (Spain)

2.2 Books and books chapters

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	«Guía Monográfica del Audio Digital y el MIDI»
Type	Book
Pages	begin: 1 final: 336
Year	1997
Editor	Anaya
Place of publication	Madrid (Spain)
Authors (by order of signature)	Xavier Serra and SERGI JORDÀ PUIG
Title	«El mon del so: la música a l'ordinador»
Type	Book
Pages	begin: 1 final: 76
Year	1998
Editor	Universitat Oberta de Catalunya
Place of publication	Barcelona (Spain)
Authors (by order of signature)	Jose Manuel Berenguer, SERGI JORDÀ PUIG and Marc Dalmares
Title	«Sistemas Acústicos y de Tratamiento de Sonido y del Habla»
Type	Book
Pages	begin: 1 final: 369
Year	2001
Editor	Universitat Oberta de Catalunya / Fundació Politècnica de Catalunya
Place of publication	Barcelona (Spain)
Authors (by order of signature)	SERGI JORDÀ PUIG
Title	«Interactivity and Live Computer Music»
Type	Book chapter
Book name	«The Cambridge Companion to Electronic Music»
Pages	begin: 89 final: 106
Year	2007
Editor	Cambridge University Press
Place of publication	Cambridge (UK)
Authors (by order of signature)	SERGI JORDÀ PUIG
Title	«The reactable»
Type	Book chapter
Book name	«Sound to Sense, Sense to Sound – A state of the art in Sound and Music Computing»
Pages	begin: 469 final: 476
Year	2007
Editor	Logos Verlag Berlin GmbH
Place of publication	Berlin (Germany)
Authors (by order of signature)	SERGI JORDÀ PUIG
Title	«Models to produce and share music over the Internet. The M.O.D.E.M. model»
Type	Book chapter
Book name	«M.O.D.E.M. Music open distance exchange model»
Pages	begin: 65 final: 71, begin: 141 final: 147
Year	2007
Editor	Anicia srl
Place of publication	Roma (Italy)

Authors (by order of signature)	40 experts worldwide including the nominee
Title	«Being Human: Human-Computer Interaction in the Year 2020»
Type	Book
Pages	begin: 1 final: 98
Year	2008
Editor	Microsoft Research Ltd.
Place of publication	Cambridge (UK)

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	«Tecnologies digitals and Creació musical en viu / El reactable»
Type	Book chapter
Book name	«Fora de l'Equilibri»
Pages	begin: 161 final: 172
Year	2008
Editor	KrTU, Generalitat de Catalunya, Departament de Cultura and Mijans de Comunicació
Place of publication	Barcelona (Spain)

Authors (by order of signature)	Sebastián Mealla and SERGI JORDÀ PUIG
Title	«El Hombre que quería ser Luthier (digital)»
Type	Book chapter
Book name	«Las Palabras, X años del CCE.C en 26 entrevistas»
Pages	begin: 55 final: 72
Year	2008
Editor	Centro Cultural Spain. Córdoba
Place of publication	Córdoba (Argentina)

2.3 Other publications

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	«Perversiones Virtuales»
Journal	Lateral Number: 33
Year	1997
Editor	Centro Cultural Spain. Córdoba
Place of publication	Barcelona

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	«Composición musical interactiva por Internet»
Journal	Virtualia-La Jornada Number: September
Year	1998
Editor	Desarrollo de Medios, S.A. de C.V.
Place of publication	México D.F. (Mèxic)

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	«La computadora-ahorra-técnicos. y algo más»
Journal	Virtualia-La Jornada Number: July
Year	1998
Editor	Desarrollo de Medios, S.A. de C.V.
Place of publication	México D.F. (Mèxic)

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	« Internet. Cap a noves formes d'entendre la creació musical?»
Journal	Revista Catalana de música
Year	1999
Place of publication	Barcelona

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	«Net-art and música bruta»
Journal	Revista Catalana de música
Pages	begin: 26 final: 36
Editor	Cercle de Belles Arts
Year	2003
Place of publication	Lleida (Spain)

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	«El reactable, interacción tangible, instrumentos “multiproceso” y música “móvil”»
Journal	En el límite, Escritos sobre arte y tecnología
Pages	En preparación
Editor	Universidad Nacional de Lanús
Year	2011
Place of publication	Buenos Aires (Argentina)

In the last years, almost one hundred of international journals and newspapers among which we could highlight The New York Times (USA), the Rolling Stone Magazine (USA), Wired Magazine (USA), Keyboard Magazine (USA), Electronic Musician (USA), Future Music (UK), Dazed & Confused (UK), El País Semanal (ES), El Mundo (ES), etc.. have published interviews with Sergi Jordà and/or articles about the Reactable.

2.4 Peer-reviewed publications in congresses

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	A Real-Time Midi Composer and Interactive Improviser by Means of Feedback Systems
Congress	1991 International Computer Music Conference
Location	McGill University, Montreal (Canada)
Publication	Proceedings of the 1991 International Computer Music Conference, 463-466
Date	15/10/1991
Authors (by order of signature)	SERGI JORDÀ PUIG
Title	Epizoo: Cruelty and Gratuitousness in Real Virtuality
Congress	5cyberconf, Fifth International Conference on Cyberspace
Location	Fundación Telefónica Arte y Tecnología, Madrid (Spain)
Date	01/1996
Authors (by order of signature)	SERGI JORDÀ PUIG and A. Aguilar
Title	FMOL: a Graphical and Net Oriented Approach to Interactive Sonic Composition and Real-Time Synthesis for Low Cost Computer Systems
Congress	First COST-G6 Workshop on Digital Audio Effects (DAFX98)
Location	Universidad Pompeu Fabra (U.P.F.), Barcelona (Spain)
Publication	Proceedings of the 1st Digital Audio Effects Workshop (DAFX'98), 207-210
Date	21/11/1999
Authors (by order of signature)	SERGI JORDÀ PUIG
Title	New Musical Interfaces and New Music-Making Paradigms
Congress	New Interfaces for Musical Expression Workshop (NIME-01)
Location	ACM SIGCHI, Seattle (USA)
Publication	Proceedings of the 1st New Interfaces for Musical Expression Workshop
Date	01/04/2001
Authors (by order of signature)	SERGI JORDÀ PUIG and O. Wust
Title	A System for Collaborative Music Composition Over the Web
Congress	12th International Workshop on Database and Expert Systems Applications
Location	Technical University of Munich (Germany), Munich (Germany)
Publication	Proceedings of the 12th International Workshop on Database and Expert Systems Applications, 537-542
Date	03/09/2001
Authors (by order of signature)	SERGI JORDÀ PUIG and O. Wust
Title	Architectural Overview of a System for Collaborative Music Composition over the Web
Congress	2001 International Computer Music Conference
Location	La Habana, Cuba
Publication	Proceedings of the 2001 International Computer Music Conference, ISBN 0-9713192-0-0, 298-301
Date	18/09/2001

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	Improvising with Computers: a Personal Survey (1989-2001) ⁶
Congress	2001 International Computer Music Conference
Location	La Habana, Cuba
Publication	Proceedings of the 2001 International Computer Music Conference, ISBN 0-9713192-0-0, 1-8
Date	18/09/2001
Authors (by order of signature)	SERGI JORDÀ PUIG; Barbosa, A.
Title	Computer Supported Cooperative Music Overview of research work and projects at the Audiovisual Institute - UPF
Congress	MOSART Workshop on Current Research Directions in Computer Music
Location	University Pompeu Fabra, Barcelona
Publication	Proceedings of MOSART Workshop on Current Research Directions in Computer Music, ISBN 84-88042-37X, 92-97
Date	15/11/2001
Authors (by order of signature)	SERGI JORDÀ PUIG
Title	Afasia: the Ultimate Homeric one-Man-Multimedia-Band
Congress	New Interfaces for Musical Expression Conference (Nime 2002)
Location	MediaLab, Dublin (Ireland)
Publication	Proceedings of the New Interfaces for Musical Expression Conference (Nime 2002), ISBN1-87465365-8, 132-137
Date	24/05/2002
Authors (by order of signature)	SERGI JORDÀ PUIG
Title	Sonigraphical Instruments: From FMOL To the reacTable*
Congress	International Conference on New Interfaces for Musical Expression (Nime-03)
Location	McGill University, Montreal, Canada
Publication	Proceedings of the New Interfaces for Musical Expression Conference (Nime 2003), ISBN0-7717-0604, 70-76
Date	22/05/2003
Authors (by order of signature)	SERGI JORDÀ PUIG
Title	Software, Arte, Sociedad
Congress	Cyberart: Desafíos para la identidad ubicua
Location	Fundación Bilbao Arte Fundazioa, Bilbao (Spain)
Date	26/04/2004
Authors (by order of signature)	Kaltenbrunner, M.; Geiger, G.; SERGI JORDÀ PUIG
Title	Dynamic Patches for Live Musical Performance
Congress	International Conference on New Interfaces for Musical Expression (Nime-04)
Location	Shizuoka University of Art and Culture (Hamamatsu, Japan)
Publication	Proceedings of the New Interfaces for Musical Expression Conference (Nime 2004), ISBN4-9902099-0-7, 19-22
Date	03/06/2004
Authors (by order of signature)	SERGI JORDÀ PUIG
Title	Digital Instruments and Players: Part I- Efficiency and Apprenticeship
Congress	International Conference on New Interfaces for Musical Expression (Nime-04)
Location	Shizuoka University of Art and Culture (Hamamatsu, Japan)
Publication	Proceedings of the New Interfaces for Musical Expression Conference (Nime 2004), ISBN4-9902099-0-7, 59-63
Date	03/06/2004

⁶ "Swets & Zeitlinger Distinguished Paper Award" for the best paper presented at the International Computer Music Conference 2001, La Habana (Cuba).

Authors (by order of signature)	Alonso, M.; Geiger, G.; SERGI JORDÀ PUIG
Title	An Internet Browser for Real-Time Audio Synthesis
Congress	4th International Conference on Web Delivering of Music Wedelmusic 2004
Location	Departament de Tecnologia, University Pompeu Fabra, Barcelona
Publication	IEEE Computer Society, Proceedings of the 4th International Conference on Web Delivering of Music Wedelmusic 2004, ISBN0-7695-2157-6, 23-26
Date	13/09/2004

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	Digital Instruments and Players: Part II - Diversity, Freedom and Control
Congress	2004 International Computer Music Conference
Location	University of Miami, Miami, USA
Publication	Proceedings of the 2001 International Computer Music Conference, ISBN 0-9713192-2-7, 706-709
Date	01/11/2004

Authors (by order of signature)	Alonso, M.; Geiger, G.; SERGI JORDÀ PUIG
Title	An Internet Browser for Real-Time Sound Synthesis using Pure Year
Congress	2004 International Computer Music Conference
Location	University of Miami, Miami, USA
Publication	Proceedings of the 2001 International Computer Music Conference, ISBN 0-9713192-2-7, 294-298
Date	01/11/2004

Authors (by order of signature)	Bencina, R.; Kaltenbrunner, M.; SERGI JORDÀ PUIG
Title	Improved Topological Fiducial Tracking in the Reactivision System
Congress	2nd IEEE International Workshop on Projector-Camera Systems
Location	University of California, Irvine, USA and Mitsubishi Electric Research Laboratories (Merl), San Diego, California (USA)
Publication	Proceedings of the 2nd IEEE International Workshop on Projector-Camera Systems ISBN 0-7695-2372-2, 99-105
Date	25/06/2005

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	Multi-User Instruments: Models, Examples and Promises
Congress	International Conference on New Interfaces for Musical Expression (Nime-05)
Location	University of British Columbia, Vancouver, BC, Canada, Vancouver (Canada)
Publication	Proceedings of the New Interfaces for Musical Expression Conference (Nime 2005), ISBN0-88865-808-7, 23-26
Date	26/06/2005

Authors (by order of signature)	SERGI JORDÀ PUIG; Kaltenbrunner, M.; Geiger, G.; Bencina, R.
Title	The reacTable*
Congress	2005 International Computer Music Conference
Location	Fundacio Phonos and Grup de Tecnologia Musical, University Pompeu Fabra, Barcelona (Spain)
Publication	Proceedings of the 2005 International Computer Music Conference, 579-582
Date	05/09/2005

Authors (by order of signature)	SERGI JORDÀ PUIG; Alonso, M.
Title	Mary had a little ScoreTable or the reacTable goes melodic: Notes on Tangible Musical Interfaces
Congress	International Conference on New Interfaces for Musical Expression (Nime-06)
Location	IRCAM - Centre Pompidou, Paris, France
Publication	Proceedings of the New Interfaces for Musical Expression Conference (Nime 2006), ISBN2-84426-314-3, 208-211
Date	05/06/2006

Authors (by order of signature)	Janer, J., Bonada, J., SERGI JORDÀ PUIG
Title	Groovator - an implementation of real-time rhythm transformations
Congress	International Conference on New Interfaces for Musical Expression (Nime-06)
Location	IRCAM - Centre Pompidou, Paris, France
Publication	Proceedings of the New Interfaces for Musical Expression Conference (Nime 2006), ISBN2-84426-314-3
Date	05/06/2006
Authors (by order of signature)	Kaltenbrunner, M.; SERGI JORDÀ PUIG; Geiger, G.; Alonso, M.
Title	The reacTable*: A Collaborative Musical Instrument
Congress	Workshop on "Tangible Interaction in Collaborative Environments" (TICE), at the 15th International IEEE Workshops on Enabling Technologies (WETICE 006)
Location	The University of Manchester, Manchester, UK
Date	26/06/2006
Authors (by order of signature)	SERGI JORDÀ PUIG
Title	The reacTable
Congress	International Conference on Computer Graphics and Interactive Techniques, ACM SIGGRAPH 2006
Location	Boston, MA, USA
Publication	Proceedings of the International Conference on Computer Graphics and Interactive Techniques, ACM SIGGRAPH 2006, ACM Press, ISBN 1-59593-364-6
Date	02/08/2006
Authors (by order of signature)	SERGI JORDÀ PUIG; Geiger, G., Alonso, M.; Kaltenbrunner, M.
Title	Exploring the Synergy between Live Music Performance and Tabletop Tangible Interfaces
Congress	First International Conference on Tangible and Embedded Interaction (TEI'07)
Location	Louisiana State University, Baton Rouge, LA, USA
Publication	Proceedings of the ACM First International Conference on Tangible and Embedded Interaction (TEI), 139-146
Date	15/02/2007
Authors (by order of signature)	SERGI JORDÀ PUIG; Alonso, M.
Title	Interactive Tabletops
Congress	The 18th Ecsite Annual Conference of the European Network ofScience centres and Science museums
Location	Pavilhão do Conhecimento - Ciencia Viva, Lisboa (Portugal)
Date	01/06/2007
Authors (by order of signature)	Daniel Gallardo, Carles F. Julià, SERGI JORDÀ PUIG
Title	TurTan: A tangible programming language for creative exploration
Congress	Tabletops & Interactive Surfaces: Third anual IEEE international workshop on horizontal interactive human-computer systems
Location	Amsterdam, Holanda
Publication	Proceedings of the 2008 IEEE international workshop on horizontal interactive human-computer systems, 95-98
Date	03/10/2008
Authors (by order of signature)	Carles F. Julià, Daniel Gallardo, SERGI JORDÀ PUIG
Title	TurTan: Un Lenguaje de Programación Tangible Para el Aprendizaje
Congress	Interacción 2009, X Congreso Internacional de Interacción Persona-Ordenador
Location	Barcelona, Spain
Publication	Proceedings del X Congreso Internacional de Interacción Persona-Ordenador
Date	07/09/2009

Authors (by order of signature)	Carles F. Julià, SERGI JORDÀ PUIG
Title	SongExplorer: a tabletop application for exploring large collections of songs. 10th International Society for Music Information Retrieval Conference
Congress	ISMIR, 10th International Society for Music Information Retrieval Conference
Location	Kobe, Japó
Publication	Proceedings of the 2008 IEEE international workshop on horizontal interactive human-computer systems
Date	26/10/2009
Authors (by order of signature)	Daniel Gallardo, SERGI JORDÀ PUIG
Title	Tangible Jukebox: Back to Palpable Music
Congress	Fourth International Conference on Tangible and Embedded Interaction (TEI'10)
Location	Cambridge, MA, USA
Publication	Proceedings of the 2010 ACM SIGCHI Fourth International Conference on Tangible and Embedded Interaction (TEI)
Date	01/2010
Authors (by order of signature)	SERGI JORDÀ PUIG, Seth Hunter, Pol Pla, Henry Kaufman, Daniel Leithinger, Daniel Gallardo, Carles F. Julià, Martin Kaltenbrunner
Title	Development Strategies for Tangible Interaction on Horizontal Surfaces
Congress	Fourth International Conference on Tangible and Embedded Interaction (TEI'10)
Location	Cambridge, MA, USA
Publication	Proceedings of the 2010 ACM SIGCHI Fourth International Conference on Tangible and Embedded Interaction (TEI)
Date	01/2010
Authors (by order of signature)	SERGI JORDÀ PUIG
Title	The Reactable : Tangible and Tabletop Music Performance
Congress	CHI 2010: 28th ACM Conference on Human Factors in Computing Systems
Location	Atlanta, Georgia, USA
Publication	Proceedings of the 2010 ACM SIGCHI 28th ACM Conference on Human Factors in Computing Systems
Date	04/2010
Authors (by order of signature)	Anna Xambó, Robin Laney, Chris Dobyn and SERGI JORDÀ PUIG
Title	Multi-touch interaction techniques for collaborative music activities
Congress	DMRN+5, Digital Music Research Network One-day Workshop 2010
Location	Queen Mary, University of London
Date	12/2010
Authors (by order of signature)	Sebastián Mealla, Aleksander Valkjamae, Mathieu Bosi and SERGI JORDÀ PUIG
Title	Let Me Listen to Your Brain: Physiology-based Interaction in Collaborative Music Composition
Congress	CHI 2011: 29th ACM Conference on Human Factors in Computing Systems
Location	Vancouver, BC, Canada
Publication	Proceedings of the 2011 ACM SIGCHI 29th ACM Conference on Human Factors in Computing Systems, ACM 978-1-4503-0268-5/11/05
Date	05/2011
Authors (by order of signature)	Michael Gurevich, Ben Knapp and SERGI JORDÀ PUIG
Title	A Workshop on NIME Education
Congress	11th International Conference on New Interfaces for Musical Expression, NIME'11
Location	Oslo, Norway
Publication	Proceedings of the 11th International Conference on New Interfaces for Musical Expression, NIME'11
Date	05/2011

Authors (by order of signature)	Juan Pablo Carrascal and SERGI JORDÀ PUIG
Title	Multitouch Interface for Audio Mixing
Congress	11th International Conference on New Interfaces for Musical Expression, NIME'11
Location	Oslo, Norway
Publication	Proceedings of the 11th International Conference on New Interfaces for Musical Expression, NIME'11
Date	05/2011

Authors (by order of signature)	Pablo Molina, Martin Haro and SERGI JORDÀ PUIG
Title	BeatJockey: A new tool for enhancing DJ skills
Congress	11th International Conference on New Interfaces for Musical Expression, NIME'11
Location	Oslo, Norway
Publication	Proceedings of the 11th International Conference on New Interfaces for Musical Expression, NIME'11
Date	05/2011

Authors (by order of signature)	Carles F. Julià, Daniel Gallardo and SERGI JORDÀ PUIG
Title	MTCF: A framework for designing and coding musical tabletop applications directly in Pure Data
Congress	11th International Conference on New Interfaces for Musical Expression, NIME'11
Location	Oslo, Norway
Publication	Proceedings of the 11th International Conference on New Interfaces for Musical Expression, NIME'11
Date	05/2011

Authors (by order of signature)	Sebastián Mealla C., Mathieu Bosi, Aleksander Välijamäe and SERGI JORDÀ PUIG
Title	Listening to Your Brain: Implicit Interaction in Collaborative Music Performances
Congress	11th International Conference on New Interfaces for Musical Expression, NIME'11
Location	Oslo, Norway
Publication	Proceedings of the 11th International Conference on New Interfaces for Musical Expression, NIME'11
Date	05/2011

Authors (by order of signature)	Anna Xambó, Robin Laney, Chris Dobbyn and SERGI JORDÀ PUIG
Title	Collaborative music interaction on tabletops: An HCI approach
Congress	BCS HCI 2011 Workshop - When Words Fail: What can Music Interaction tell us about HCI? The 25th BCS Conference on Human-Computer-Interaction
Location	Northumbria University, Newcastle Upon Tyne (UK)
Publication	Proceedings of the 25th BCS Conference on Human-Computer-Interaction
Date	07/2011

Authors (by order of signature)	Anna Xambó, Robin Laney, Chris Dobbyn and SERGI JORDÀ PUIG
Title	Multi-touch interaction principles for collaborative real-time music activities: towards a pattern language
Congress	International Computer Music Conference, ICMC 2011
Location	University of Huddersfield, England
Publication	Proceedings of 2011 International Computer Music Conference
Date	07/2011

Authors (by order of signature)	Anna Xambó, Robin Laney, Chris Dobbyn and SERGI JORDÀ PUIG
Title	Collaborative music interaction on tabletops: An HCI approach
Congress	British HCI Conference 2011 Workshop
Location	Open University, Milton Keynes (UK)
Publication	Proceedings of 2011 British HCI Conference 2011
Date	07/2011

Authors (by order of signature)	Sebastián Mealla C., Aleksander Välijamäe and SERGI JORDÀ PUIG
Title	Sonification of Brain and Body Signals in Collaborative Tasks Using a Tabletop Musical Interface
Congress	International Conference on Auditory Display (ICAD)
Location	Budapest, Hungary
Date	06/2011
Authors (by order of signature)	Sebastián Mealla C., Aleksander Välijamäe and SERGI JORDÀ PUIG
Title	Sonification of Brain and Body Signals in Collaborative Tasks Using a Tabletop Musical Interface
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Congress	International Conference on Auditory Display (ICAD)
Location	Budapest, Hungary
Date	06/2011

3. Artistic Works

Title	JoAn l'Home de Carn
Authors	Sergi Jordà Puig and Marcel.li Antúnez
Premiere location	Mercat de la Boqueria (Barcelona)
Date	01/06/1993
Description	Sculpture/interactive robot, completely covered with pig skin and mechanically articulated, reacting to sound stimuli
Exhibitions	Hospitalet, Girona, Lisboa, Helsinki, and other cities from France, Italy and Portugal
Awards	Hospitalet Art 1992
Impact	Referenced in several master and doctoral theses, as well as in many international journals and newspapers

Title	F@ust Music On-Line (FMOL)
Authors	Sergi Jordà Puig and Toni Aguilar (for la Fura dels Baus)
Premiere location	http://www.dtic.upf.edu/~sergi/IUA_WEB/FMOL/index.html
Date	07/01/1998
Description	Musical software for collaborative composition over the Internet
Exhibitions	Simo Tci '98 (Madrid, 1998); Arco'99 - Arte Electronico (Madrid 1999) ; ZKM (Center for Art And Media), Karlsruhe, Germany; Musica en Metronom (Barcelona 2000) ; 49 Festival de Musica y Danza de Granada (Granada 2000); Festival Confluencias, Huelva (2001)
Catalogues	Net Condition (ZKM 1999); Art and Global Media (MIT Press); Arco Electrónico Arco'99 (Madrid 1999); Música en Metronom (Barcelona 2000) ; 49 Festival de Música y Danza de Granada (Granada 2000); Confluencias - Arte y Tecnología al Borde Del Milenio (Huelva 2001)
Impact	Referenced in many papers, theses, and international books on Net-Music. Is still considered today as one of the seminal referents in collective creation in the Internet

Title	Web DQ - Don Quijote en Barcelona
Authors	Sergi Jordà Puig and Cristina Casanova
Premiere location	Gran Teatre del Liceu (Barcelona)
Date	30/09/2000
Awards	Prix Möbius Spain and Portugal multimedia; Arco Net.art 2000 Prix möbius international de la culture artistique, China 2001 finalist prix europrix 2002 Premio SGAE de autores multimedia a la mejor musica, 2000 Premio arco - el mundo 2001 a la mejor web de net.art votada por los internautas
Catalogues	Net Condition (ZKM 1999); Art and Global Media (MIT Press); Arco Electrónico Arco'99 (Madrid 1999); Música en Metronom (Barcelona 2000) ; 49 Festival de Música y Danza de Granada (Granada 2000); Confluencias - Arte y Tecnología al Borde Del Milenio (Huelva 2001)
Impact	Numerous references in national and international press Numerous references in scientific papers, as example of collective creation in the Internet

Title	Reactable
Authors	Sergi Jordà, Günter Geiger, Marcos Alonso and Martin Kaltenbrunner
Premiere location	Festival Ars electronica (Linz, Austria), International Computer Music Conference (Barcelona)
Date	10/09/2005
Description	Electronic music instrument with a tangible interface
Awards	"Hot Instrument of the Year", Rolling Stone Magazine (USA), 2007 "Premi Ciutat De Barcelona 2007" categoría Multimedia, Barcelona, 2007 Ars Electronica Prix Golden Nica "Digital Musics", Linz (Austria), 2008 Hottest Music Biz Start-Up Award, MIDEM, Cannes (France), 2008 Yellow Pencil, D&AD Awards "Environmental Design / Installations", London (UK), 2008 Yellow Pencil, D&AD Awards "Digital Installations", London (UK), 2008 2nd Price, INNOVA 8th Contest of Business Ideas, Barcelona, 2008 BMW Award, BMW Initiative Award, Barcelona, 2008
Impact	Hundreds of articles in international journals and media Hundreds of references in scientific papers Dozens of reports on television around the world (Discovery Chanel, Art Channel, CNN, etc.). More than 25 international museums and music studios have acquired Used in concerts by first line musicians such as Björk More than 400 presentations, demonstrations, lectures and concerts in 3 continents in 4 years More than 6 million views on You tube Thousands of blogs Creation of the spin-off company Reactable Systems in 2009

4. Invited conferences and talks

4.1 Selection of the more relevant invited talks

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	Epizoo, Art and Multimedia. Beyond the Desktop
Contribution type	Invited talk
Congress	Milia'96, Cannes
Location	Palace des Congrès, Cannes (França)
Date	02/1996

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	Interactive Music Systems for Everyone: Exploring Visual Feedback As A Way For Creating More Intuitive, Efficient and Learnable Instruments
Contribution type	Article and Invited talk
Congress	Stockholm Music Acoustics Conference (SMAC03)
Publication	Proceedings of the Stockholm Music Acoustics Conference, ISBN91-7283-559-1
Location	Department of Speech, Music and Hearing, the Royal Institute of Technology (Kth), Stockholm, Sweden
Date	06/08/2003

Authors (by order of signature)	SERGI JORDÀ PUIG; Kaltenbrunner, M.
Title	Interactive Displays and Tabletop Interfaces
Contribution type	Invited talk
Congress	Workshop on Display Technologies
Location	Microsoft Research Cambridge, Cambridge (UK)
Date	30/06/2006

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	Tabletop Tangible Interfaces for Shared Musical Performance
Contribution type	Invited talk key-note
Congress	Shareable Interfaces Workshop
Location	Open University, Milton Keynes (UK)
Date	19/06/2007

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	Un cas d'exit: el Reactable
Contribution type	Invited talk key-note
Congress	Renacer'07
Location	Hotel Hesperia Tower, Barcelona
Date	05/07/2007

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	The reactable: Tabletop Tangible Interfaces for Multithreaded Musical Performance
Contribution type	Article and Invited talk
Congress	Music in the Global Village Conference
Publication	Proceedings of the Music in the Global Village Conference
Location	Budapest (Hungary)
Date	05/09/2007

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	The reactable: Tabletop Tangible Interfaces for Multithreaded Musical Performance
Contribution type	Invited talk key-note
Congress	International Music Computing Research Workshop 2008
Location	Open University, Milton Keynes (UK)
Date	17/07/2008

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	The reactable: Tabletop Tangible Interfaces for Multithreaded Musical Performance
Contribution type	Lecture
Congress	Music 250 “Physical Interaction Design for Music“ Course
Location	CCRMA, Stanford University, CA (USA)
Date	17/10/2008
Authors (by order of signature)	SERGI JORDÀ PUIG
Title	The reactable: Tabletop Tangible Interfaces for Multithreaded Musical Performance
Contribution type	Lecture
Location	The Mills College Department and the Center for Contemporary Music , Oakland, CA (USA)
Date	17/10/2008
Authors (by order of signature)	SERGI JORDÀ PUIG
Title	The reactable: Tabletop Tangible Interfaces for Multithreaded Musical Performance
Contribution type	Lecture
Location	CRCA in the SpatLab , UCSD San Diego, CA (USA)
Date	19/10/2008
Authors (by order of signature)	SERGI JORDÀ PUIG
Title	The reactable: Tabletop Tangible Interfaces: What are they good for?
Contribution type	Lecture at Terry Winograd's “ Human-Computer Interaction Seminar “
Location	Stanford HCI Group, Stanford University, CA (USA)
Date	21/10/2008
Authors (by order of signature)	Georg Essl, Joe Paradiso, SERGI JORDÀ PUIG
Title	The Visual in New Interfaces for Musical Expression
Contribution type	Panel Discussion
Location	Siggraph 2009, New Orleans, LA (USA)
Date	04/08/2009
Authors (by order of signature)	SERGI JORDÀ PUIG
Title	Tecnologías para la creatividad musical
Contribution type	TEDx Ramblas Invited talk
Location	Barcelona
Date	20/01/2011
Authors (by order of signature)	SERGI JORDÀ PUIG
Title	Digital Lutherie and Multithreaded Musical Performance: Artistic, Scientific and Commercial Perspectives
Contribution type	Key-note talk (http://www.nime2011.org/program/keynote-speakers/)
Location	NIME 2011, Oslo, Norway
Date	01/06/2011

4.2 Other invited conferences

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	Componiendo en tiempo real: Improvisación musical con ordenador
Contribution type	Invited talk
Congress	III Seminario sobre Música y Ordenadores
Location	Universidad Internacional Menéndez y Pelayo (U.I.M.P), Cuenca
Date	10/11/1993

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	Crueldad y Gratuidad en la Realidad Virtual
Contribution type	Invited talk
Congress	Festival Internacional de Arte Cibernetico Puerto de la Cruz / Encuentros Internacionales de Arte Electrónico.In Art' 97
Location	Santa Cruz de Tenerife, Santa Cruz de Tenerife (Spain)
Date	10/12/1997

Authors (by order of signature)	Padrià, C.; SERGI JORDÀ PUIG
Title	El Guió d'una Obra de Teatre en Xarxa
Contribution type	Invited talk
Congress	Multimèdia and Continguts Culturals
Location	Institut Català de Telemàtica Aplicada, Barcelona (Spain)
Date	11/12/1997

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	The Master in Digital Arts at the IUA-UPF, Barcelona
Contribution type	Invited talk
Congress	Encontros Sobre Ensino Artístico e Formação Artística /Formação Artística na Idade Adulta
Location	Fundação Calouste Gulbenkian, Lisboa (Portugal)
Date	03/02/1999

Authors (by order of signature)	Neri, J.; Yturralde. J.; SERGI JORDÀ PUIG.; Vanaclocha, J.; Espina, P.
Title	Internet ¿Hacia Nuevas formas de Entender la Creación Artística?
Contribution type	Invited talk and round table
Congress	Internet ¿En el Umbral de un Cambio de Sociedad?
Location	Universidad Internacional Menéndez Pelayo, Valencia (Spain)
Date	07/08/1998

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	Autoria and Copyrights en la Creació Digital
Contribution type	Invited talk
Congress	Congrés Internacional de la Publicació Electrònica
Location	Grup de Periodistes Digitals.University Politècnica de Catalunya (Upc) Barcelona, Barcelona (Spain)
Date	15/08/1998

Authors (by order of signature)	Pedro G. Romero.; Enric Les Palau.; José Igés.; Max Sunyer.; SERGI JORDÀ PUIG
Title	Debate Propia Copia: Autoría y Apropiación en las Músicas Actuales
Contribution type	Invited talk and roundtable
Congress	Propia Copia: Aprobación y Copia en el Arte Sonoro Contemporáneo
Location	Centre de Cultura Contemporánea de Barcelona (CCCB), Barcelona (Spain)
Date	18/10/1998

Authors (by order of signature)	Quintana, A.; Berenguer, X.; Pares, R.; SERGI JORDÀ PUIG
Title	Creació, Digitalització and Noves Tecnologies
Contribution type	Invited talk
Congress	VII Congres de Mitjans de Comunicació
Location	Edicions 3 and 4, Fundació Ausiàs March Valencia, Valencia (Spain)
Date	30/10/1998

Authors (by order of signature)	SERGI JORDÀ PUIG; Kaltenbrunner, M.; Geiger, G.; Alonso, M.
Title	The reacTable*: the Potential of Computer Music Performance in HCI Research
Contribution type	Invited talk
Congress	International Symposium on Intelligent Environments
Location	Homerton College, Cambridge, U.K
Date	04/05/2006

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	Reactable Mobile
Contribution type	Invited talk
Location	Murcia
Date	2011

5. PhD thesis Supervising

5.1 Completed

Title of the work	Computer-supported cooperative work for music applications
Date of defense	03/07/2006
Name of the candidate	Mandes Barbosa, Álvaro Manuel
Supervisors	Xavier Serra and SERGI JORDÀ PUIG
University	University Pompeu Fabra
Faculty / School	Doctorat d'Informàtica and Comunicació Digital
Qualification	Excellent Cum Laude by unanimity

5.2 In Progress

Title of the work	Exploring Expanded Control Possibilities with Second Light
Name of the candidate	Daniel Gallardo Grassot
Supervisors	SERGI JORDÀ PUIG
University	University Pompeu Fabra
Faculty / School	Doctorat d'Informàtica i Comunicació Digital

This PhD research has been granted for 3 years, by Microsoft Research Cambridge.

Title of the work	Exploratory Search in Tangible Interfaces
Name of the candidate	Carles Fernàndez Julià
Supervisors	SERGI JORDÀ PUIG
University	University Pompeu Fabra
Faculty / School	Doctorat d'Informàtica i Comunicació Digital

Title of the work	Interactive Audiovisual Objects
Name of the candidate	Nuno Correia
Supervisors	Tapio Takala and SERGI JORDÀ PUIG
University	University of Art & Design, Helsinki, Finland
Faculty / School	Medialab

Title of the work	Live Electronic Music Performance
Name of the candidate	Vítor Joaquim
Supervisors	SERGI JORDÀ PUIG
University	Universidade Católica Portuguesa, Lisbon, Portugal
Faculty / School	Escola das Artes

Title of the work	Tabletop groupware for music: design and evaluation
Name of the candidate	Anna Xambó
Supervisors	Robin Laney and SERGI JORDÀ PUIG
University	Open University, Milton Keynes, UK
Faculty / School	Music Computing Lab del Centre for Research in Computing; Faculty of Mathematics, Computing and Technology

Title of the work	Physiology-based Interaction on Collaborative User Experiences
Name of the candidate	Sebastián Mealla
Supervisors	SERGI JORDÀ PUIG
University	University Pompeu Fabra
Faculty / School	Doctorat d'Informàtica i Comunicació Digital

Title of the work	Estudi del temps en la imatge interactiva. Fenomenologia del temps i l'espai en la representació visual a través d'interfícies digitals interactives
Name of the candidate	Carles Sora
Supervisors	SERGI JORDÀ PUIG I Lluís Codina Bonilla
University	University Pompeu Fabra
Faculty / School	Doctorat en Comunicació Social

TEACHING ACTIVITIES

6. Teaching trajectory

Full-time associate professor, from 1999 to 2005 at the Departament de Tecnologia of Universitat Pompeu Fabra, in the studies "llicenciatura d'Enginyeria en Informàtica".

Full-time visiting professor, during the course 2005-2006, at the Departament de Tecnologia of Universitat Pompeu Fabra, in the studies "llicenciatura d'Enginyeria en Informàtica".

Full-time Lecturer, since 2006 at the Departament de Tecnologia of Universitat Pompeu Fabra, in the studies "llicenciatura d'Enginyeria en Informàtica".

Table summarising the research and teaching entailment with UPF

Year	Period	Entailment	Center	Category	Activity
1998-1999	01/01/97 - 24/9/99	Contractual	Institut Universitari de l'Audiovisual / Universitat Pompeu Fabra	Professor Contractat	Teaching and Research
1999-2000	25/09/99 - 24/09/2000	Contractual	Universitat Pompeu Fabra	Professor Associat Tipus 4	Teaching and Research
2000-2005	25/09/00 - 24/09/05	Contractual	Universitat Pompeu Fabra	Professor Associat Tipus 3	Teaching and Research
2005-2006	25/09/05 - 24/09/06	Contractual	Universitat Pompeu Fabra	Professor Visitant Tipus 1	Teaching and Research
2006-2011	25/09/06 - 24/09/11	Contractual	Universitat Pompeu Fabra	Professor Lector	Teaching and Research

Accreditations

- ANECA Accreditation (*Profesor Ayudante Doctor*), obtained the 1 March 2006.
- AQU Research Accreditation (*Professor Agregat*), obtained the 5 February 2010.
- Evaluation for the Research Activity 2004-2009 (*Avaluació de l'activitat investigadora*), obtained the 6 July 2010.

7. Teaching activities

7.1 Undergraduate Teaching Activities

Course Title	Fonaments Físics de la Informàtica (<i>Physical Fundaments of Computer Science</i>)
Course	1st de Enginyeria Informàtica
Institution	Universitat Pompeu Fabra
Type	Obligatory
Teaching	Theory/practical
Hours	70
Qualification	First trimester 1999/2000:: 8,31 ⁷ (7,07 ⁸) First trimester 2000/2001: Qualification: 7,40 (6,75)
Course Title	Informàtica del Àudio i de la Música (<i>Computer Engineering for Audio and Music</i>)
Course	3rd de Enginyeria Informàtica
Institution	Universitat Pompeu Fabra
Type	Obligatory
Teaching	Practical
Hours	20
Qualification	Second trimester 2001/2002
Course Title	Taller De Sistemes Interactius (<i>Interactive Systems Workshop</i>)
Course	3rd /4rt de Enginyeria Informàtica
Institution	Universitat Pompeu Fabra
Type	Optativa
Teaching	Theory/practical
Hours	50
Qualification	Third trimester 2000/01: 7,52 (6,35) Third trimester 2001/02: 7,24 (7,00) Second trimester 2002/03: 8,07 (6,79) Second trimester 2003/04: 7,63 (6,50) Second trimester 2004/05: 7,75 (6,65) Second trimester 2005/06: 7,17 (7,29) Second trimester 2006/07: 7,18 (7,14) Second trimester 2007/08: 7,81 (7,49) Second trimester 2008/09: 8,46 (7,71) Second trimester 2009/10: 7,56 (7,38)
Course Title	Taller De Musica Electrónica (<i>Electronic Music Workshop</i>)
Course	3rd /4rt de Enginyeria Informàtica
Institution	Universitat Pompeu Fabra
Type	Optativa
Teaching	Theory/practical
Hours	50
Qualification	Third trimester 2001/02: 6,64 (7,24) Third trimester 2002/03: 7,13 (6,79) Third trimester 2003/04: 7,26 (6,56) Third trimester 2004/05: 7,79 (6,89) Third trimester 2005/06: 8,20 (6,98) Third trimester 2006/07: 7,54 (7,39) Third trimester 2009/10: No disponible

⁷ Qualifications obtained through the students' questionnaires

⁸ The average qualifications for the whole studies in the corresponding trimester are included between parenthesis

Course Title	Programació III (<i>Object Oriented Programming</i>)
Course	1st de Enginyeria Informàtica
Institution	Universitat Pompeu Fabra
Type	Troncal
Teaching	Theory
Hours	25
Qualification	Third trimester 2004/05 Qualification: 6,87 (6,89) Third trimester 2005/06 Qualification: 7,16 (6,98) Third trimester 2006/07 Qualification: 7,78 (7,39)

7.2 Teaching Activities in Official Masters and Post-graduate Courses

Course Title	Real-time Interaction
Course	Interdisciplinary Master in Cognitive Systems and Interactive Media (CSIM)
Institution	DTIC, Universitat Pompeu Fabra
Professors	Sergi Jordà, Gunter Geiger
Teaching	Theory/practical
Hours	26
Qualification	Second trimester 2007/08 Qualification: 9,29 (8,64) Second trimester 2008/09 Qualification: 8,00 (8,36) Second trimester 2009/10 Qualification: 7,13 (7,80)
Course Title	Interaction Models
Course	Interdisciplinary Master in Cognitive Systems and Interactive Media (CSIM)
Institution	DTIC, Universitat Pompeu Fabra
Professors	Narcís Pares, Sergi Jordà, Pere Brunet
Teaching	Theory
Hours	6 (26 ⁹)
Qualification	Second trimester 2007/08 Qualification: 9,30 (8,64) Second trimester 2008/09 Qualification: 8,67 (8,36) Second trimester 2009/10 Qualification: No disponible
Course Title	Aesthetics of Interactive Media
Course	Interdisciplinary Master in Cognitive Systems and Interactive Media (CSIM)
Institution	DTIC, Universitat Pompeu Fabra
Professors	Roc Parés, Anna Pujadas, Sergi Jordà
Teaching	Theory/practical
Hours	5 (26)
Qualification	Second trimester 2007/08 Second trimester 2008/09 Second trimester 2009/10

7.3 Teaching Activities in Professional Masters and Post-graduate Courses

Course Title	Sistemes Musicals Interactius / Generació Musical i Visual ¹⁰
Course	Master en Arts Digitals (MAD)
Institution	IDEA, Universitat Pompeu Fabra
Professors	Sergi Jordà ¹¹
Teaching	Theory/practical
Hours	30-50 ¹²

⁹ The total number of hours for the course is included between parentheses.

¹⁰ The exact title of the course has changed several times along the years. It is now called “Generació Musical i Visual”

¹¹ Along the years, I have always kept the coordination of the course, collaborating with other professors.

¹² The duration of the course has varied along the years.

8. Direction and Coordination of Masters and Post-graduated Courses

Type of activity	Direction of a professional master
Name of the activity	Master en Arts Digitals
Academic course	2002-03, 2003-04, 2004-05
Activity	Direction and coordination
Institution	IDEC, Universitat Pompeu Fabra

Type of activity	Direction of a professional master
Name of the activity	Diploma de Programació Orientada al Multimedia
Academic course	2002-03, 2003-04, 2004-05, 2005-06
Activity	Creation, direction and coordination
Institution	IDEC, Universitat Pompeu Fabra

Type of activity	Direction of a professional master
Name of the activity	Postgrau de Sonologia
Academic course	2009-11
Activity	Creation, direction and coordination
Institution	IDEC, ESMUC, Universitat Pompeu Fabra

9. Direction of undergraduate and graduate projects

9.1 Undergraduate Final Projects

Title	Creació d'un perifèric D.J. i del software relacionat
Author	Jordi Gil Martí
Director	Sergi Jordà
Studies	ETIS (UPF), course 2002-2003, July
Qualification	Excellent (10)
Title	Desenvolupament d'un mòdul interactiu de visualització d'àudio en temps real
Author	Ignasi Casasnovas Català
Director	Sergi Jordà
Studies	ET (UPF), course 2003-2004, December
Qualification	Excellent (9,5)
Title	Virtual conductor: Control interactiu del tempo
Author	Ferran Relat Goberna
Director	Sergi Jordà
Studies	ETIS (UPF), course 2004-2005
Qualification	Excellent (9)
Title	BlackFinger: Sistema de visió i reconeixement manual
Author	Jordi Prats Català
Director	Sergi Jordà
Studies	ETIS (UPF), course 2005-2006
Qualification	Excellent (10)
Title	Tribe Of Survivors : Recerca en Jocs Multiusuari per a Taula Interactiva
Author	Daniel Garcia Esteve
Director	Sergi Jordà
Studies	ETIS (UPF), course 2005-2006
Qualification	Excellent (9)
Title	WiseEyes: Sistema de Reconeixement d'objectes en temps real
Author	Carlos Manias
Director	Sergi Jordà
Studies	ETIS, UPF, course 2006-2007
Qualification	Notable (8)
Title	Aplicacions educatives basades en interfícies tangibles
Author	Carlos Crespo Molina
Director	Sergi Jordà
Studies	ETIS, UPF, course 2006-2007, July
Qualification	Excellent (9)
Title	Disseny d'un seqüenciador d'àudio integrat amb l'entorn Freesound Project
Author	Javier Montoya Barrera
Director	Sergi Jordà
Studies	ETIS, UPF, course 2006-2007, July
Qualification	Notable (7,5)
Title	TDesktop : Disseny i implementació d'un sistema gràfic tangible
Author	Carles Fernández Julià i Daniel Gallardo Grassot
Director	Sergi Jordà
Studies	ETIS, UPF, course 2006-2007, September
Qualification	Excellent (10)

Title	TangiblesSQL - Sistema de cerca en interfícies tangibles basades en taules
Author	Sergi Mínguez Regidor
Director	Sergi Jordà
Studies	ETIS, UPF, course 2006-2007, September
Qualification	Excellent (9)
Title	Puckr, Videojoc d'acció sobre taula amb superfície tangible
Author	Roger Pujol Serra
Director	Sergi Jordà
Studies	ETIS, UPF, course 2007-2008, September
Qualification	Excellent (9)
Title	Reactable Role Gaming
Author	Ramon Viladomat Arro
Director	Sergi Jordà
Studies	ETIS, UPF, course 2008-2009, December
Qualification	Excellent (10)
Title	Totem: cercant noves estratègies per a jocs en taules tangibles
Author	Ignasi Lausin Bernet
Director	Sergi Jordà
Studies	ETIS, UPF, course 2008-2009, September
Qualification	Excellent (10)
Title	ReacTIVision en CUDA: Aprovechando las capacidades de la computación paralela en GPU
Author	Daniel García
Director	Sergi Jordà i Daniel Gallardo
Studies	ETIS, UPF, course 2009-2010, June
Qualification	Excellent (10)
Title	Avaluació de diferents mètodes d'entrada de dades en un context d'interacció a temps real en entorns tabletop i d'interfícies tangibles
Author	Roger López
Director	Sergi Jordà i Carles F. Julià
Studies	ETIS, UPF, course 2009-2010, September
Qualification	Excellent (9)

9.2 Postgraduate and Master Projects

Title	Song Explorer: Exploring Large Musical Databases Using a Tabletop Interface
Author	Carles Fernàndez Julià
Director	Sergi Jordà
Studies	CSIM, UPF, course 2007-2008, September
Qualification	Notable (8)
Title	Tangible Media
Author	Daniel Gallardo Grassot
Director	Sergi Jordà
Studies	CSIM, UPF, course 2007-2008, September
Qualification	Notable (7,5)
Title	Extending Physical Computing On The Reactable
Author	Mathieu Bosi
Director	Sergi Jordà
Studies	SMC, UPF, course 2008-2009, September
Qualification	Excellent (9)
Title	Assessing usability and user experience in Tangible User Interfaces
Author	Andreas Rauh
Director	Sergi Jordà
Studies	CSIM, UPF, course 2008-2009, September
Qualification	Notable (8,5)
Title	Assessing Live Visual Performance over a Tabletop Interface
Author	Fernán Izquierdo
Director	Sergi Jordà
Studies	CSIM, UPF, course 2008-2009, September
Qualification	Notable (8,8)
Title	TangibleTime, a tabletop interaction study based on time phenomena
Author	Carles Sora i Domenjó
Director	Sergi Jordà
Studies	CSIM, UPF, course 2008-2009, September
Qualification	Notable (7,2)
Title	Tangible Interactive Whiteboard: Exploring new interaction paradigms for interactive whiteboards in schools
Author	Pau Moreno Martín
Director	Sergi Jordà
Studies	CSIM, UPF, course 2008-2009, September
Qualification	Notable (8,5)
Title	Multitouch mixing interface
Author	Juan Pablo Carrascal
Director	Sergi Jordà
Studies	TICMA, UPF, course 2009-2010
Qualification	Excellent (9,2)
Title	SongExplorer Studies
Author	Miguel Lechón
Director	Sergi Jordà i Carles F. Julià
Studies	CSIM, UPF, course 2009-2010
Qualification	Notable (8,0)

Title	TurTan Studies: Evaluation of the impact of tangible interfaces in learning
Author	Milena Markova
Director	Sergi Jordà, Carles F. Julià i Daniel Gallardo
Studies	CSIM, UPF, course 2009-2010
Qualification	Notable (8,2)
Title	Effects of Physiology-Based Interaction on Collaborative Performance
Author	Sebastián Mealla
Director	Sergi Jordà i Alexander Valkjamae
Studies	CSIM, UPF, course 2009-2010
Qualification	Excellent (9,9)
Title	DJ Support Agent Based on Audio Mosaicing
Author	Pablo Molina
Director	Sergi Jordà
Studies	SMC, UPF, course 2009-2010
Qualification	Excellent (9,5)
Title	Tangible Jukebox Study: Evaluation of different ways to create collaborative playlists by means of a tangible tabletop interface
Author	Jason Rados
Director	Sergi Jordà i Daniel Gallardo
Studies	CSIM, UPF, course 2009-2010
Qualification	Passed (6,6)
Title	Reactable: A case study on autistic children interaction and behaviors
Author	Olivier Lalonde
Director	Sergi Jordà
Studies	SMC, UPF, course 2009-2010
Qualification	pending
Title	Effects of Physiology-Based Interaction on Collaborative Performance
Author	Leandro da Mota Damasceno
Director	Sergi Jordà i Carles F. Julià
Studies	CSIM, UPF, course 2009-2010
Qualification	pending
Title	Reactable: A case study on autistic children interaction and behaviors
Author	Olivier Lalonde
Director	Sergi Jordà
Studies	SMC, UPF, course 2009-2010
Qualification	pending
Title	Effects of Physiology-Based Interaction on Collaborative Performance
Author	Leandro da Mota Damasceno
Director	Sergi Jordà i Carles F. Julià
Studies	CSIM, UPF, course 2009-2010
Qualification	pending
Title	Reactable: A case study on autistic children interaction and behaviors
Author	Olivier Lalonde
Director	Sergi Jordà
Studies	SMC, UPF, course 2009-2010
Qualification	pending

Title	Effects of Physiology-Based Interaction on Collaborative Performance
Author	Leandro da Mota Damasceno
Director	Sergi Jordà i Carles F. Julià
Studies	CSIM, UPF, course 2009-2010
Qualification	pending

10. Other courses, seminars and workshops

Title	Encontros Sobre Ensino Artístico e Formação Artística / Formação Artística na Idade Adulta
Objectives	Discussions sobre les noves formes d'ensenyament per a la formació i la creació artística
Students profile	Professors de secundària, professors universitaris, artistes
Hours	2
Organizing Entity	Fundaçao Calouste Gulbenkian
Type of participation	Invited talk
Place	Lisboa (Portugal)
Date	03/02/1999

Title	El dret d'autor en l'era digital
Objectives	Constatar el paper de la importància de les tecnologies interactives multimèdia en nombrosos àmbits i sectors de l'activitat social i econòmica: les institucions financeres, el sector comercial, les empreses de serveis, l'ensenyament, l'entreteniment, el món de la cultura i el de la informació.
Students profile	Professionals de tots els sectors prèviament esmentats
Hours	4
Organizing Entity	Escola Multimèdia de la Fundació Politècnica de Catalunya (UPC)
Type of participation	Invited talk and roundtable
Place	Centre de Cultura Contemporània de Barcelona (CCCB), Barcelona
Date	18/03/1999

Title	Instalações interactivas
Objectives	Introducció a la creació d'instal·lacions interactives
Students profile	Curs destinat a músics, artistes sonors, artistes visuals, videocreadors, guionistes i dissenyadors multimèdia, programadors informàtics...
Hours	32
Organizing Entity	Centro Portugues de Artes e Ideias
Type of participation	Invited talk and workshop
Place	Lisboa (Portugal)
Date	18/09/1999

Title	Art electrònic i interactivitat, una introducció a la tecnologia interactiva aplicada a l'art
Objectives	Acostar les possibilitats de les noves tecnologies digitals i interactives a artistes
Students profile	Artistes interessats en nous àmbits de creació
Hours	4
Organizing Entity	Hangar, centre de producció d'arts visuals i multimèdia
Type of participation	Master Class
Place	Hangar, Barcelona
Date	29/11/1999

Title	Creació musical per mitjà d'Internet
Objectives	Invitació a la participació activa i a la reflexió sobre els nous interrogants de caràcter estètic, tecnològic i social resultat de l'aplicació de les tics en la creació musical.
Students profile	Estudiants i professors de la UOC
Hours	1
Organizing Entity	Universitat Oberta de Catalunya (UOC)
Type of participation	Master Class
Place	Sala d'actes del centre de la UOC del Baix Llobregat (Sant Feliu de Llobregat, Barcelona)
Date	06/05/2000

Title	Tecnología e imaginación: ocio, multimedia y ciberarte
Objectives	Explorar la relació entre tecnologia i imaginació en els nostres dies
Students profile	Alumnes, titulats universitaris i professionals relacionats amb la matèria
Hours	2
Organizing Entity	Universidad Internacional del Mar / Universidad de Murcia
Type of participation	Master Class
Place	Cieza (Murcia)
Date	25/07/2000

Title	Arte digital, interactividad y arquitectura
Objectives	Introducció de les possibilitats de l'art i les tecnologies digitals en la nova arquitectura
Students profile	Arquitectes i estudiants en el màster internacional d'arquitectura avançada i ciutats digitals
Hours	8
Organizing Entity	Instituto Metàpolis de Arquitectura Avanzada i Fundación Politécnica de Catalunya (FUPC)
Type of participation	Invited talk and workshop
Place	Barcelona
Date	10/04/2001

Title	Performance, música e interactividad
Objectives	Introducció a l'aplicació de les tecnologies digitals i interactives a la creació artística
Students profile	Estudiants de diverses disciplines (música, informàtica, art...) de la Universidad Nacional de Córdoba (UNC)
Hours	8
Organizing Entity	Universidad Nacional de Córdoba (UNC)
Type of participation	Seminar and workshop
Place	Escuela de artes, UNC, Córdoba (Argentina)
Date	29/08/2001

Title	Terceras jornadas de artes y medios digitales: Internet: obras abiertas y creación colectiva. ¿El fin de la autoría?
Objectives	Especular sobre els canvis culturals relacionats amb Internet, especialment en el camp de l'autoria
Students profile	Estudiants i professors d'art, artistes
Hours	2
Organizing Entity	Centro cultural España-Córdoba
Type of participation	Invited talk
Place	Córdoba (Argentina)
Date	30/08/2001

Title	Interactividad e arte por computador
Objectives	Introducció de les possibilitats de les noves tecnologies digitals en la creació artística
Students profile	Estudiants, professors, artistes i interessats en General en aquests temes
Hours	5
Organizing Entity	Universidade Católica Portuguesa
Type of participation	Seminar
Place	Escola das Artes, Universidad Católica Portuguesa. Porto (Portugal)
Date	10/09/2001

Title	Network-Shop
Objectives	Introducció a la net-music, experiències de col·laboració en Internet
Students profile	Músics i estudiants universitaris
Hours	1
Organizing Entity	Herausgeber Dresden Zentrum für Neue Zeitgenössische Musik
Type of participation	Master Class
Place	Dresden (Alemania)
Date	06/10/2001

Title	FMOL Workshop
Objectives	Introducció al programari FMOL (realitzat per l'autor) per a creació musical
Students profile	Músics i interessats en la creació digital
Hours	4
Organizing Entity	Transmediale
Type of participation	Workshop
Place	Berlin (Alemania)
Date	20/02/2002

Title	La creació cultural: idees, artistes i emprenedors
Objectives	Estem en les portes de la invenció de nous gèneres de creació artística? Que forma canvien els sectors culturals tradicionals? ... Són algunes de les preguntes que aquest curs pretén airejar.
Students profile	Representants de l'economia i la cultura
Hours	1
Organizing Entity	Institut deC, Ajuntament de Barcelona, Universitat Oberta de Catalunya
Type of participation	Master Class
Place	Palau de la Virreina, Barcelona
Date	08/05/2002

Title	Música en tiempo real y música por Internet: interactividad, improvisación, democratización y colectividad
Objectives	Oferir una visió històrica de l'art digital interactiu, exposar els elements que constitueixen els seus senyals d'identitat i plantejar preguntes essencials vinculades amb la interactivitat i la creació multimèdia, tant des d'aspectes conceptuais, socials i estètics, com des del punt de vista tècnic i artístic
Students profile	Compositors, musicòlegs, intèrprets, estudiants, artistes sonors i músics en General
Hours	16
Organizing Entity	LIEM-CDMC, Instituto Nacional de las Artes Escénicas, Ministerio de Educación Cultura y Deporte
Type of participation	Course
Place	Museo Nacional Centro de Arte Reina Sofía, Madrid
Date	01/08/2002

Title	Taller de arte electrónico: arte digital e interactividad
Objectives	Aprofundir en la interrelació tecnologia-creació artística al llarg dels últims 40 anys
Students profile	Estudiants, artistes, historiadors de l'art
Hours	16
Organizing Entity	Ayuntamiento de Vitoria-Gasteiz / Centro Cultural Montehermoso
Type of participation	Course
Place	Centro Cultural Montehermoso, Vitoria
Date	03/08/2002

Title	Improvisación musical con computadora
Objectives	Els sistemes musicals interactius a temps real utilitzant computadores es van originar a la fi de la dècada del seixanta, però encara avui la improvisació musical amb computadores és un terreny poc explorat en el qual confluixen necessàriament moltes àrees de coneixement, tant tècnics (disseny de nous interfícies, síntesis i processament de so a temps real, programació, etc.) Com musicals. Es discussiran alguns conceptes fonamentals i nous paradigmes, que s'il·lustraran amb alguns dels treballs portats a terme per l'autor en aquest camp al llarg de 15 anys.
Students profile	Estudiants de música, compositors
Hours	2
Organizing Entity	Centro Cultural Recoleta, Buenos Aires (Argentina)
Type of participation	Master Class
Place	LIPM (Laboratorio de Investigación y Producción Musical) del Centro Cultural Recoleta, Buenos Aires (Argentina)
Date	12/08/2002

Title	Música interactiva amb ordinador: noves possibilitats de creació a la xarxa
Objectives	Presentar els principals aspectes i possibilitats de la creació musical amb ordinador en temps real, d'una forma senzilla perquè professors de música de primària i secundària sense una formació informàtica, puguin abordar en classe alguns d'aquests aspectes d'una forma intuitiva.
Students profile	Músics i ensenyants de música
Hours	4
Organizing Entity	Vicerectorat de promoció universitària, sociocultural y lingüística, Universidad Jaume I, Castelló
Type of participation	Seminar
Place	Universitat Jaume I, Castelló de la Plana (Castelló)
Date	10/04/2003

Title	Taller intensiu de música electrònica
Objectives	Introducció als conceptes teòrics i pràctics de la creació musical amb ordinadors en temps real
Students profile	Curs orientat a músics, professors i professionals
Hours	6
Organizing Entity	Escola municipal de musica, conservatori de grau mitjà, Igualada
Type of participation	Seminar and workshop
Place	Conservatori de grau mitjà Mestre Joan Just i Bertran, Igualada (Barcelona)
Date	14/07/2003

Title	L'ordinador, el nou instrument musical
Objectives	Introduir la música electrònica experimental realitzada amb ordinador als mes joves
Students profile	Alumnes de E.S.O. (9-14 anys) i els seus professors
Hours	12
Organizing Entity	Fundació Joan Miró, Centre d'estudis d'art contemporani
Type of participation	Course
Place	Fundació Miró, Barcelona
Date	28/11/2003

Title	Els sons de la física
Objectives	Exposar, amb motiu de l'any internacional de la física, les relacions que la música manté amb altres disciplines, no solament científiques sinó també artístiques
Students profile	Físics i públic interessat de forma General
Hours	1
Organizing Entity	Ajuntament de Barcelona
Type of participation	Invited talk
Place	Agora CosmoCaixa, Barcelona
Date	16/12/2004

Title	Liuteria digitale: costruzione di strumenti informatici per la nuova musica
Objectives	Presentar algunes de les possibilitats de la creació musical en temps real utilitzant ordinadors. Aprofundir sobre el concepte de "instrument musical" aplicat als instruments digitals. Guies i criteris per a la concepció, el disseny i la construcció d'aquest tipus d'instruments.
Students profile	Estudiants i professors de conservatori
Hours	24
Organizing Entity	Conservatorio di musica Giuseppe Tartini, Trieste
Type of participation	Course
Place	Conservatorio di musica Giuseppe Tartini, Trieste (Italia)
Date	17/10/2005

Title	Liuteria digitale: strumenti del suonare e dell' improvvisare
Objectives	Presentar algunes de les possibilitats de la creació musical en temps real utilitzant ordinadors. Aprofundir sobre el concepte de "instrument musical" aplicat als instruments digitals. Guies i criteris per a la concepció, el disseny i la construcció d'aquest tipus d'instruments.
Students profile	Estudiants i professors de conservatori
Hours	8
Organizing Entity	Conservatorio Statale di Musica Giovanni Pierluigi da Palestrina di Cagliari
Type of participation	Course
Place	Spaziomusica, Cagliari (Italia)
Date	09/12/2005
Title	Arte - Programación - Música – Interacción
Objectives	Recorregut sobre la meva obra com a fil conductor per presentar algunes de les possibilitats de la creació artística amb mitjans digitals a partir de la programació informàtica.
Students profile	Estudiants i professors de la Facultat de Belles Arts de Cuenca
Hours	16
Organizing Entity	Facultad de Bellas Artes, UCLM Cuenca
Type of participation	Course
Place	Facultad de Bellas Artes, UCLM Cuenca
Date	07/03/2006
Title	reacTable and reacTivision Workshop
Objectives	Estudiar el funcionament de la llibreria per a visió per ordinador reacTivision. Desenvolupar aplicacions interactives basades en aquesta tecnologia.
Students profile	Curs orientat a artistes digitals, musics i programadors informàtics
Hours	12
Organizing Entity	STEIM
Type of participation	Course
Place	STEIM Lab, Amsterdam (Holanda)
Date	30/10/2006
Title	Digital Lutherie and Computer Music Improvisation and Performance
Objectives	Presentar algunes de les possibilitats de la creació musical en temps real utilitzant ordinadors
Students profile	Compositors, musicòlegs, intèrprets, estudiants, artistes sonors i músics en General
Hours	1
Organizing Entity	STEIM
Type of participation	Invited talk
Place	STEIM Lab, Amsterdam (Holanda)
Date	1/11/2006
Title	reacTable: Haciendo tangible la síntesis modular
Objectives	Introduir el reacTable i el concepte de síntesi sonora modular i tangible
Students profile	Estudiants i professionals (tècnics de so)
Hours	1
Organizing Entity	SAE Institute, Barcelona
Type of participation	Master Class
Place	BCN Sound&Media Conference, Barcelona
Date	18/11/2006
Title	Liuteria digitale: strumenti del suonare e dell' improvvisare
Objectives	Objectives presentar algunes de les possibilitats de la creació musical en temps real utilitzant ordinadors. Aprofundir sobre el concepte de "instrument musical" aplicat als instruments digitals. Guies i criteris per a la concepció, el disseny i la construcció d'aquest tipus d'instruments
Students profile	Estudiants i professors de conservatori
Hours	3
Organizing Entity	Conservatorio 'A.Scontrino' di Trapani, Sicilia (Italia)
Type of participation	Master Class
Place	Conservatorio 'A.Scontrino' di Trapani, , Sicilia (Italia)
Date	20/12/2006

Title	The reactable: Tabletop Tangible Interfaces for Multithreaded Musical Performance
Students profile	Master students
Hours	2
Organizing Entity	CCRMA, Stanford University, CA (USA)
Type of participation	Master Class in the course Music 250 " Physical Interaction Design for Music "
Date	17/10/2008
Title	The reactable: Tabletop Tangible Interfaces for Multithreaded Musical Performance
Students profile	Master in musical composition
Hours	2
Organizing Entity	The Mills College Department and the Center for Contemporary Music , Oakland, CA (USA)
Type of participation	Master Class
Date	17/10/2008
Title	The reactable: Tabletop Tangible Interfaces for Multithreaded Musical Performance
Students profile	PhD students (computer music)
Hours	2
Organizing Entity	CRCA in the SpatLab , UCSD San Diego, CA (USA)
Type of participation	Master Class
Date	19/10/2008
Title	The reactable: Tabletop Tangible Interfaces: What are they good for?
Students profile	PhD students (HCI)
Hours	1
Organizing Entity	Stanford HCI Group, Stanford University, CA (USA)
Type of participation	Master Class in the seminar " Human-Computer Interaction Seminar " de Terry Winograd
Date	21/10/2008

11. Educational material generated

11.1. Books and publications

Title	Guía Monográfica del Audio Digital y el MIDI
Autors	Sergi Jordà Puig
Type	Full book
Pages	1-336
Publisher	Anaya
Year	1997
ISBN	84-415-0069-X
Description	The "Guías Monográficas Anaya" is a collection of introductory computer engineering books widely available in Spain and Latin America. This book is intended as an introduction to computer music, for amateur musicians, programmers and students in general. It is a basic and introductory book, but it is still used as a textbook in many Spanish speaking universities, such as: <ul style="list-style-type: none"> - Licenciatura en Composición con Medios Electroacústicos - Universidad Católica San Antonio - Departamento de Informática e Ingeniería de Sistemas de la Universidad de Zaragoza - Universidad Politécnica de Valencia - La Salle - Universidade Lusófona de Humanidades e Tecnologías - Universidad Complutense de Madrid - Centro Universitario de Ciencias Económico Administrativas de la Universidad de Guadalajara
Others	The book is currently out of print, but widely available in digital format (HTML, pdf) on the Internet.
Title	El mon del so: la música a l'ordinador
Autors	Xavier serra i Sergi Jordà Puig
Type	Full book
Pages	1-76
Publisher	Universitat Oberta de Catalunya
Year	1998
Description	Commissioned by the Open University of Catalonia (UOC), for their collection of teaching modules. Book for students of "computational linguistics" and "information technology in the humanities."
Title	Sistemas Acústicos y de Tratamiento de Sonido y del Habla
Autors	Jose Manuel Berenguer, Sergi Jordà Puig i Marc Dalmases
Type	Full book
Pages	1-369
Publisher	Universitat Oberta de Catalunya
Year	2001
ISBN	84-95629-43-7
Description	Commissioned by the Open University of Catalonia (UOC) and the Fundació Politècnica de Catalunya (FPC). Textbook for the collection "Graduado Multimedia a Distancia". This book was intended for students of the studies "Graduado Multimedia" of the Open University of Catalonia (UOC) and the Universitat Politècnica de Catalunya (UPC).

11.2 Educational material for the undergraduate computer science studies (DTIC)

Since I began to teach most of the courses on computer engineering from the beginning (cf. section 4.1.1), I had to create their syllabus and provide all the teaching material. With regard to the subjects already being taught previously I have also developed new materials. All this material is available on a website, which also includes teaching materials for other courses taught in the Masters and postgraduate courses IDEC. The sum of all these materials involves several thousand slides and hundreds of links to supplementary material that is available for consultation online.

Index of all subjects and all these teaching materials: <http://www.tecn.upf.es/~sjorda/>

OTHER SCIENTIFIC MERITS

12. Awards

Authors (by order of signature)	SERGI JORDÀ PUIG; ANTÚNEZ, Marcel.lí
Title	<i>JoAn L'Home de Carn</i> , First prize premio en el Concurso de instalaciones urbanas en la sexta muestra de L'H.ART de la ciudad de l'Hospitalet de Llobregat, Barcelona
Year	1992
Authors (by order of signature)	SERGI JORDÀ PUIG
Title	<i>FMOL software</i> : First prize en la 3rd. Internacional Musical Software Competition, Bourges 98 (France)
Year	1998
Authors (by order of signature)	SERGI JORDÀ PUIG
Title	Special Mention "Premi Ciutat De Barcelona 1999" Multimedia cathegory
Year	1999
Authors (by order of signature)	SERGI JORDÀ PUIG; CASANOVA, Cristina
Title	<i>First prize Möbius Spain and Portugal Multimedia</i> , Net.art 2000, Barcelona
Year	2000
Authors (by order of signature)	SERGI JORDÀ PUIG; CASANOVA, Cristina
Title	<i>Web DQ</i> : First prize Möbius Spain and Portugal Multimedia, Net.art 2000, Barcelona
Year	2000
Authors (by order of signature)	SERGI JORDÀ PUIG; CASANOVA, Cristina
Title	<i>Web DQ</i> : Prize SGAE multimedia at the best original music, Madrid
Year	2000
Authors (by order of signature)	SERGI JORDÀ PUIG; CASANOVA, Cristina
Title	<i>Web DQ</i> : Prize SGAE multimedia at the best original music, Madrid
Year	2000
Authors (by order of signature)	SERGI JORDÀ PUIG; CASANOVA, Cristina
Title	<i>Web DQ</i> : Prize Arco – El Mundo 2001 for the best Net.art web
Year	2001
Authors (by order of signature)	SERGI JORDÀ PUIG; CASANOVA, Cristina
Title	<i>Web DQ</i> : Prix Möbius International de la culture artistique, Beijing (China)
Year	2001
Authors (by order of signature)	SERGI JORDÀ PUIG
Title	"Swets & Zeitlinger Distinguished Paper Award" for the best paper in the Internacional Computer Music Conference 2001, La Habana (Cuba)
Year	2001
Authors (by order of signature)	SERGI JORDÀ PUIG; GEIGER, Günter; KALTENBRUNNER, Martin; ALONSO, Marcos
Title	<i>Reactable</i> : "Hot Instrument of the Year", Rolling Stone Magazine (USA)
Year	2007

Authors (by order of signature)	SERGI JORDÀ PUIG; GEIGER, Günter; KALTENBRUNNER, Martin; ALONSO, Marcos
Title	<i>Reactable</i> : "Hot Instrument of the Year", Rolling Stone Magazine (USA)
Year	2007
Authors (by order of signature)	SERGI JORDÀ PUIG; GEIGER, Günter; KALTENBRUNNER, Martin; ALONSO, Marcos
Title	<i>Reactable</i> : "Premi Ciutat De Barcelona 2007" categoría Multimedia, Barcelona
Year	2007
Authors (by order of signature)	SERGI JORDÀ PUIG; GEIGER, Günter; KALTENBRUNNER, Martin; ALONSO, Marcos
Title	<i>Reactable</i> : Ars Electronica Prix Golden Nica "Digital Musics", Linz (Austria)
Year	2008
Authors (by order of signature)	SERGI JORDÀ PUIG; GEIGER, Günter; KALTENBRUNNER, Martin; ALONSO, Marcos
Title	<i>Reactable</i> : Hottest Music Biz Start-Up Award, MIDEM, Cannes (France)
Year	2008
Authors (by order of signature)	SERGI JORDÀ PUIG; GEIGER, Günter; KALTENBRUNNER, Martin; ALONSO, Marcos
Title	<i>Reactable</i> : 2nd Price, INNOVA 8th Contest of Business Ideas, Barcelona
Year	2008
Authors (by order of signature)	SERGI JORDÀ PUIG; GEIGER, Günter; KALTENBRUNNER, Martin; ALONSO, Marcos
Title	<i>Reactable</i> : 2nd Price, INNOVA 8th Contest of Business Ideas, Barcelona
Year	2008
Authors (by order of signature)	SERGI JORDÀ PUIG; GEIGER, Günter; KALTENBRUNNER, Martin; ALONSO, Marcos
Title	<i>Reactable</i> : Yellow Pencil, D&AD Awards "Digital Installations", London (UK)
Year	2008
Authors (by order of signature)	SERRA CASALS, Xavier; SERGI JORDÀ PUIG
Title	BMW Award, BMW Initiative Award, Barcelona
Year	2008

13. Grants

Purpose	Predoctoral. Participació en el desenvolupament de un sistema de síntesis de voz per regles
Funding entity	Consejo Superior de Investigaciones Científicas (CSIC)
Duration	01/01/1988-31/12/1988
Purpose	Predoctoral. Diseny y desenvolupament de un sistema informàtic de composició algorísmica
Funding entity	Instituto Nacional de las Artes Escénicas (INAEM)
Duration	01/01/1990-31/12/1990
Purpose	Predoctoral. Asistencia al Congress International Computer Music Conference ICMC 1991 a Montreal
Funding entity	Subdirección de Cooperación Internacional del Ministerio de Cultura
Duration	01/01/1991
Purpose	Predoctoral. Investigació and desenvolupament de models espectrals per la síntesi musical
Funding entity	Fundació Phonos
Duration	01/01/1992-31/12/1993
Purpose	Doctoral. Postgraduate Research Studentship, concedida al doctorand Daniel Gallardo Grassot, amb Sergi Jordà com a responsable and supervisor, per desenvolupar la tesi doctoral: "Exploring expanded control possibilities within Second Light"
Funding entity	Microsoft Research Limited, Cambridge (UK)
Duration	01/01/2009-31/12/2011

14. International Representations

Spanish expert representative 2003-2006, in the European network ConGas (Cost 287), devoted to the study of gesture in audio control systems (<http://www.cost287.org/>)

Spanish expert Representative 2006-present, the European Network SID Action on Sonic Interaction Design (SID) (COST IC0601), dedicated to the study of interactive sonification (<http://www.cost-sid.org/>)

15. Participation in international committees and experience in organisation of R & D activities / Organisation of conferences, seminars, conferences, etc.

Task	Scientific Committee
Congress	New Interfaces for Musical Expression Conference 2002 (Nime-02)
Entity	Media Lab, Dublin
ISBN	1-87465365-8
Location	Dublin, Ireland
Year	24/05/2002

Task	Program Committee
Congress	International Conference on New Interfaces for Musical Expression 2003 (Nime-03)
Entity	Faculty of Music, McGill University
ISBN	0-7717-0604-9
Location	Montreal, Canada
Year	22/05/2003

Task	Program Committee
Congress	International Conference on New Interfaces for Musical Expression 2004 (Nime-04)
Entity	Nime04 & Shizuoka University of Art and Culture (Hamamatsu, Japan)
ISBN	4-9902099-0-7
Location	Hamamatsu, Japan
Year	03/06/2004

Task	Scientific Committee (Paper Selection, Program & Reading Panel)
Congress	2004 International Computer Music Conference
Entity	International Computer Music Association
ISBN	0-9713192-2-7
Location	Miami, USA
Year	01/11/2004

Task	Paper Chair
Congress	International Conference on New Interfaces for Musical Expression (Nime-05)
Entity	University of British Columbia, Vancouver, BC, Canada
ISBN	0-88865-808-7
Location	Vancouver, Canada
Year	26/06/2005

Task	Local Committee
Congress	2005 International Computer Music Conference
Entity	Fundació Phonos y Grup de Tecnología Musical, University Pompeu Fabra
Location	Barcelona
Year	05/09/2005

Task	Artistic Committee
Congress	International Conference on New Interfaces for Musical Expression 2006 (Nime-06)
Entity	Nime06 & IRCAM Centre Pompidou (Paris, France)
ISBN	4-9902099-0-7
Location	Paris, France
Year	05/06/2006

Task	Program Committee
Congress	International Conference on New Interfaces for Musical Expression 2006 (Nime-06)
Entity	Nime06 & IRCAM Centre Pompidou (Paris, France)
ISBN	4-9902099-0-7
Location	Paris, France
Year	05/06/2006

Task	Scientific Committee (Paper Selection, Program & Reading Panel)
Congress	2006 International Computer Music Conference
Entity	International Computer Music Association
ISBN	0-9713192-2-7
Location	New Orleans, LA, USA
Year	06/11/2006

Task	Program Committee
Congress	International Conference on New Interfaces for Musical Expression 2007 (Nime-07)
Entity	New York University Stern School of Business
Location	New York, USA
Year	06/06/2007

Task	Program Committee
Congress	2007 International Computer Music Conference
Entity	International Computer Music Association and Aalborg University Esbjerg
Location	Copenhaguen, Dinamarca
Year	27/08/2007

Task	Program Committee
Congress	2008 Tangible and Embedded Interaction, TEI'08
Entity	ACM and B-IT Center
Location	B-IT Center, Bonn, Germany
Year	18/02/2008

Task	Program Committee
Congress	International Conference on New Interfaces for Musical Expression 2008 (Nime-08)
Entity	Casa Paganini - InfoMus Lab, DIST, Università degli Studi di Genova
Location	Genova, Italy
Year	05/06/2008

Task	Program Committee
Congress	2008 International Computer Music Conference
Entity	International Computer Music Association and Sonic Arts Research Centre, Queens University Belfast
Location	Queens University Belfast, Ireland
Year	24/08/2008

Task	Publicity Chair
Congress	IEEE Tabletops and Interactive Surfaces 2008
Entity	IEEE
Location	Amsterdam, Holland
Year	01/10/2008

Task	Program Committee
Congress	2009 Tangible and Embedded Interaction, TEI'09
Entity	ACM and Microsoft Research Ltd.
Location	Cambridge, UK
Year	16/02/2009

Task	Program Committee
Congress	International Conference on New Interfaces for Musical Expression 2009 (NIME09)
Entity	The Carnegie Mellon School of Music
Location	Pittsburg, PA, USA
Year	04/06/2009

Task	Program Committee
Congress	2010 Tangible and Embedded Interaction, TEI'10
Entity	MIT Media Lab
Location	Cambridge, MA, USA
Year	01/2010

Task	Program Committee
Congress	CHI 2010: 28th ACM Conference on Human Factors in Computing Systems
Entity	ACM
Location	Atlanta, GA, USA
Year	04/2010

Task	Program Committee
Congress	International Conference on New Interfaces for Musical Expression 2010 (NIME10)
Entity	University of Technology, Sidney
Location	Sidney, Australia
Year	06/2010

Task	Demo Chair
Congress	Interaction Design for Children, IDC2010
Entity	University Pompeu Fabra
Location	Barcelona
Year	07/2010

Task	Program Committee
Congress	7th Sound and Music Computing Conference, SMC 2010
Entity	University Pompeu Fabra
Location	Barcelona
Year	07/2010

Task	Program Committee
Congress	The ACM International Conference on Interactive Tabletops and Surfaces 2010
Entity	ACM
Location	Saarbrücken, Germany
Year	10/2010

Task	Program Committee
Congress	23rd ACM Symposium on User Interface Software and Technology, UIST 2010
Entity	ACM
Location	New York, NY, USA
Year	10/2010

Task	Program Committee
Congress	2011 Tangible and Embedded Interaction, TEI'11
Entity	ACM
Location	Madeira, Portugal
Year	01/2011

Task	Program Committee
Congress	CHI 2011: 29th ACM Conference on Human Factors in Computing Systems
Entity	ACM
Location	Vancouver, BC, Canada
Year	05/2011

Task	Program Committee
Congress	International Conference on New Interfaces for Musical Expression 2010 (NIME10)
Entity	Department of Musicology, University of Oslo
Location	Oslo, Norway
Year	06/2011

Task	Artistic Committee
Congress	International Conference on New Interfaces for Musical Expression 2010 (NIME10)
Entity	Department of Musicology, University of Oslo
Location	Oslo, Norway
Year	06/2011

Task	Program Chair
Congress	2012 Tangible and Embedded Interaction, TEI'12
Entity	ACM
Location	Kingston, Canada
Year	01/2012

16. Juries

Member of the jury in the *International Competition of Musical Software, Synthèse 99* (Bourges, França), 1999.

Member of the jury in Phonos grants for artistic creation, Barcelona, 2001 – 2010.

Member of the jury in th Guthman Musical Instrument Competition, Georgia Tech Center for Music Technology, Atlanta 2011.

PROFESSIONAL ACTIVITIES

Company	Sema-Metra, Madrid
Job	Analista programador
Dedication	Full time
Term	1987-1988

Company	Instituto Torres Quevedo, CSIC, Madrid
Job	Becari Investigador
Dedication	Full time
Term	1988-1989

Company	Escuela Sistemas Informáticos (ESI), Madrid
Job	Professor (Informàtica)
Dedication	Partial time
Term	1990-1992

Company	Laboratorio de Electrónica e Informática Musical, Ministerio de Cultura, Madrid
Job	Becari Investigador
Dedication	Partial time
Term	1991-1992

Company	Escola de Sistemes Informàtics (ESI), Barcelona
Job	Professor (Informàtica)
Dedication	Partial time
Term	1992-1997

Company	Fundació Phonos, Barcelona
Job	Becari Investigador
Dedication	Full time
Term	1992-1993

Company	Freelance (per a clients com la Fura dels Baus, SGAE, Marcel·lí Antúnez, etc.)
Job	Desenvolupador d'aplicacions informàtiques per a espectacles interactius
Dedication	Partial time
Term	1992-1999

Company	IDEC, University Pompeu Fabra
Job	Professor (Arts Digitals)
Dedication	Partial time
Term	1994-actualitat

Company	Institut del Teatre de Terrassa
Job	Professor (Informàtica Musical)
Dedication	Partial time
Term	1997-1998

Company	Escola Superior de Disseny (ESDI), Universidad Ramón Llull, Sabadell
Job	Professor (Arts Digitals)
Dedication	Partial time
Term	1997-1998

Company	Departament de Tecnologia, University Pompeu Fabra
Job	Professor Associat
Dedication	Full time
Term	25/09/1999-24/09/2005

Company	Escola Elisava (Barcelona)
Job	Professor (Arts Digitals)
Dedication	Partial time
Term	01/01/1999-01/01/2000

Company	Departament de Tecnologia, University Pompeu Fabra
Job	Professor Visitant
Dedication	Full time
Term	25/09/2005-24/09/2006

Company	Escola Superior de Música de Catalunya (ESMUC)
Job	Professor (Informàtica Musical)
Dedication	Partial time
Term	01/01/2006-present

Company	Departament de Tecnologia, University Pompeu Fabra
Job	Professor (Informàtica Musical)
Dedication	Partial time
Term	25/09/2006-present

Company	Reactable Systems
Job	Co-founder
Dedication	Strategy Board Member
Term	25/09/2009-present

THE TWELVE MORE RELEVANT ACHIEVEMENTS OF THIS CV

This was my first article in an indexed and peer-reviewed journal. With 53 references in Google Scholar, it is currently one of the most referenced in the field of music on the Internet, and the 3rd most referenced in the history of this magazine¹³.

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	«Faust Music On Line: (FMOL) An Approach To Real-Time Collective Composition On The Internet»
Journal	<i>Leonardo Music Journal</i> Vol.: 9 Pag., begin: 5 final: 12
Year	1999
Editor	MIT Press
Place of publication	Cambridge, MA. (USA)
Impact Index (SCI/S CI/AHCI)	0,038 (SJR SCImago) ¹⁴
Number of citations (SCI/SSCI/AHCI)	Google Scholar 53, ISI 9

"Swets & Zeitlinger Distinguished Paper Award" for the best paper presented at the *International Computer Music Conference* 2001, La Habana (Cuba).

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	«Improvising with Computers: A Personal Survey (1989-2001)»
Journal	<i>Journal of New Music Research</i> Number: 1 Vol.: 31 Pag., begin: 1 final: 10
Year	2002
Editor	Routledge, Part of the Taylor & Francis Group
Place of publication	Holland
Impact Index (SCI/SSCI/AHCI)	0,2 (JCR)
Number of citations (SCI/SSCI/AHCI)	Google Scholar 23, ISI 1
Quartile and area (SCI SSCI/AHCI)	74/80 Computer Science, Interdisciplinarity

Paper Chair in the *New Interfaces for Musical Expression* Conference (Vancouver, 2005).

Task	Paper Chair
Congress	International Conference on New Interfaces for Musical Expression (Nime-05)
Entity	University of British Columbia, Vancouver, Bc, Canada
ISBN	0-88865-808-7
Location	Vancouver, Canada
Year	26/06/2005

Research grant for the project **The Tangible Media Center**, given in 2006 (05/2006-05/2007) by Microsoft Research Europe, Cambridge (UK) for an amount of 115.000 EURO

Technology transfer Generated by the **Reactable projects**, with 12 units sold to institutions worldwide (museums, research centres, etc.) between 2006 and 2008, for an amount superior to 230.000 EURO.

¹³ <http://www.mitpressjournals.org/action/showMostCitedArticles?journalCode=lmj>

¹⁴ The journal is not indexed in the JCR but it is indexed (an abstracts are included) in Current Contents, abstracts film, aata, Arts and Humanities Citation Index, RLIN, dialog, artbibliographies, modern bibliography of the history of art, Avery index to architectural periodicals, art index and index research. The magazine is one of the most important in the field of art and technology. Published by MIT Press in English, it is a strongly interdisciplinary magazine markedly, with external evaluation by peers, with an international scientific committee and an exclusive content of research articles, the authors of which are not linked to the publishing institution.

Ciutat de Barcelona award in the multimedia category 2007.

Authors (by order of signature)	SERGI JORDÀ PUIG; GEIGER, Günter; KALTENBRUNNER, Martin; ALONSO, Marcos
Title	<i>Reactable</i> : "Premi Ciutat De Barcelona 2007" categoría Multimedia, Barcelona
Year	2007

Chapter for the *Cambridge Companion book to Electronic Music*.

Authors (by order of signature)	SERGI JORDÀ PUIG
Title	«Interactivity and Live Computer Music»
Type	Book chapter
Book name	«The Cambridge Companion to Electronic Music»
Pages	begin: 89 final: 106
Year	2007
Editor	Cambridge University Press
Place of publication	Cambridge (UK)

Paper and talk at the first *Tangible and Embedded Interaction Conference* (TEI'07).

This paper currently counts with 138 references (27/10/2010) in Google Scholar

Authors (by order of signature)	SERGI JORDÀ PUIG; Geiger, G., Alonso, M.; Kaltenbrunner, M.
Title	Exploring the Synergy between Live Music Performance and Tabletop Tangible Interfaces
Congress	First International Conference on Tangible and Embedded Interaction (TEI'07)
Location	Louisiana State University, Baton Rouge, LA, USA
Publication	Proceedings of the ACM First International Conference on Tangible and Embedded Interaction (TEI), 139-146
Date	15/02/2007

Participation in the collective book *Being Human: Human-Computer Interaction in the Year 2020*, published by Microsoft Research Ltd., and result of the collaboration of 40 international experts in the field of Human Computer Interaction (HCI), for determining the roadmap towards this discipline in 2020.

Authors (by order of signature)	40 experts worldwide including the nominee
Title	«Being Human: Human-Computer Interaction in the Year 2020»
Type	Book
Pages	begin: 1 final: 98
Year	2008
Editor	Microsoft Research Ltd.
Place of publication	Cambridge (UK)

Ars Electronica's Golden Nica Award, Linz (Austria).

Authors (by order of signature)	SERGI JORDÀ PUIG; GEIGER, Günter; KALTENBRUNNER, Martin; ALONSO, Marcos
Title	<i>Reactable</i> : Ars Electronica Prix Golden Nica "Digital Musics", Linz (Austria)
Year	2008

Creation in 2009 of the company Reactable Systems, third spin-off of the UPF, with the participation of the UPF, the four researchers that carried out the project, and Xavier Serra, head of research group MTG.

ANNEX

1. Participation in research contracts and technology transfer of particular relevance to companies and / or administrations

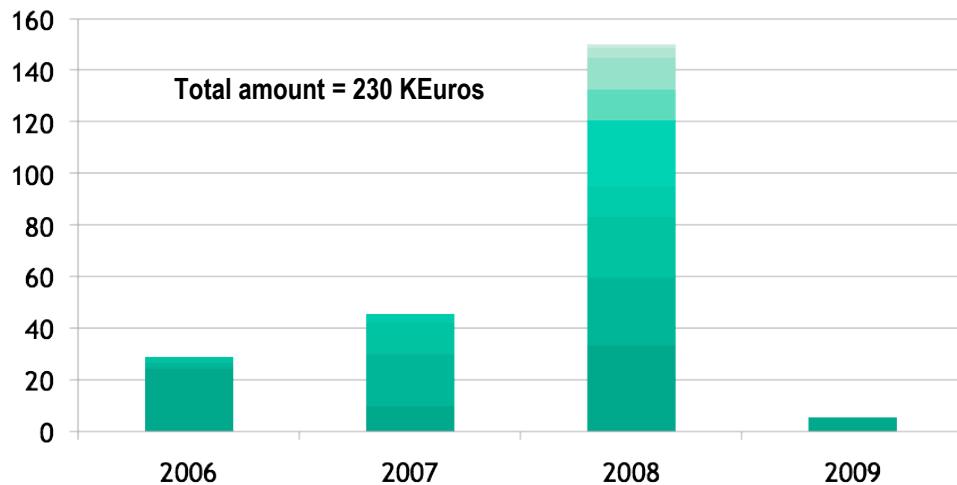


Figure 1 Income from the technology transfer generated by the Reactable project for UPF, during 2006 and 2009 in K€
(prior to the creation of the spin-off Reactable Systems)

2. Publications

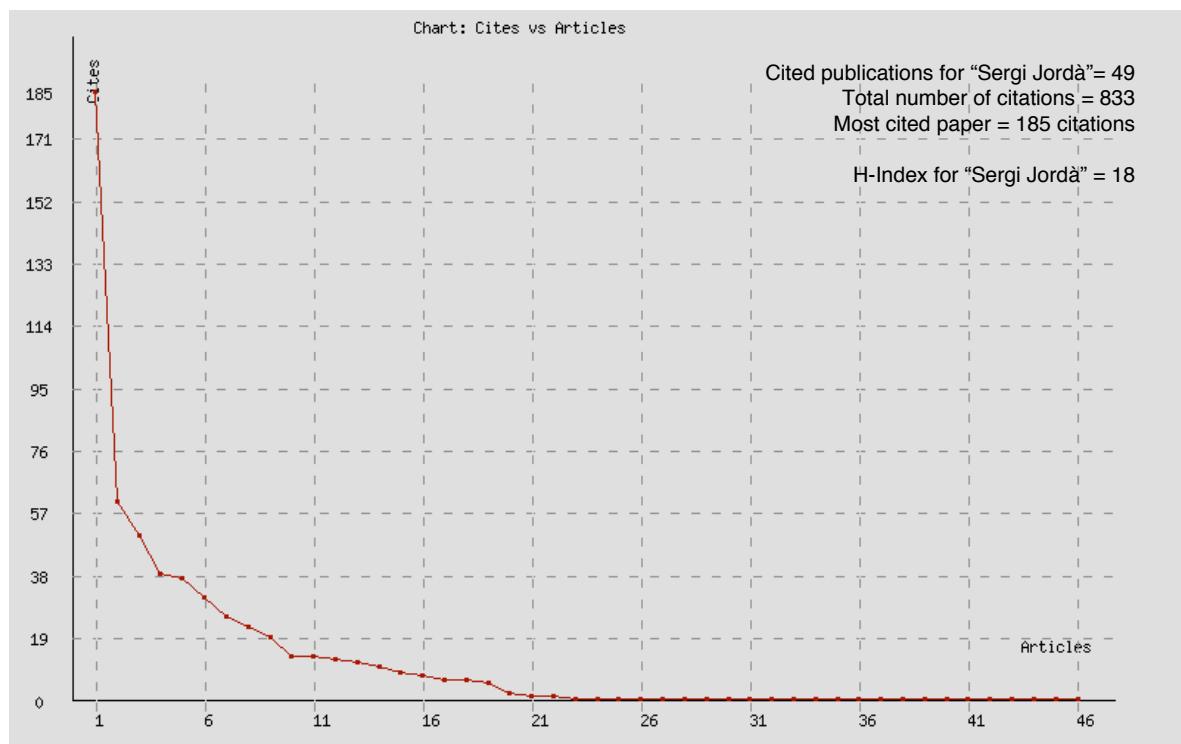


Figure 2 Number of citations per publication (Google Scholar)

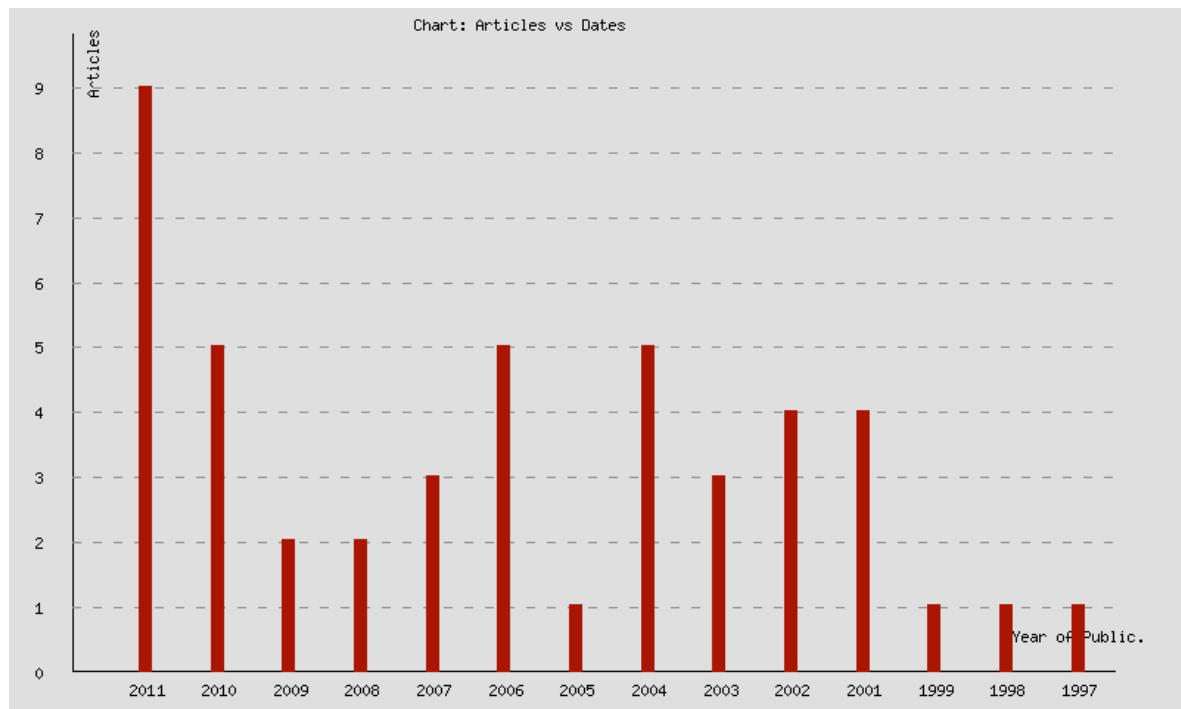


Figure 3 Publications/year

3. Invited conferences and talks

Since 2006, I have given more than thirty invited lectures at universities, conferences, festivals, companies, production and research centers in Europe (Spain, Portugal, France, Italy, United Kingdom, Ireland, Netherlands, Norway, Sweden, Finland, Germany, Serbia, Hungary, etc.) North America (USA and Canada) and South America (Argentina, Brazil and Colombia), mostly related with the Reactable Project.

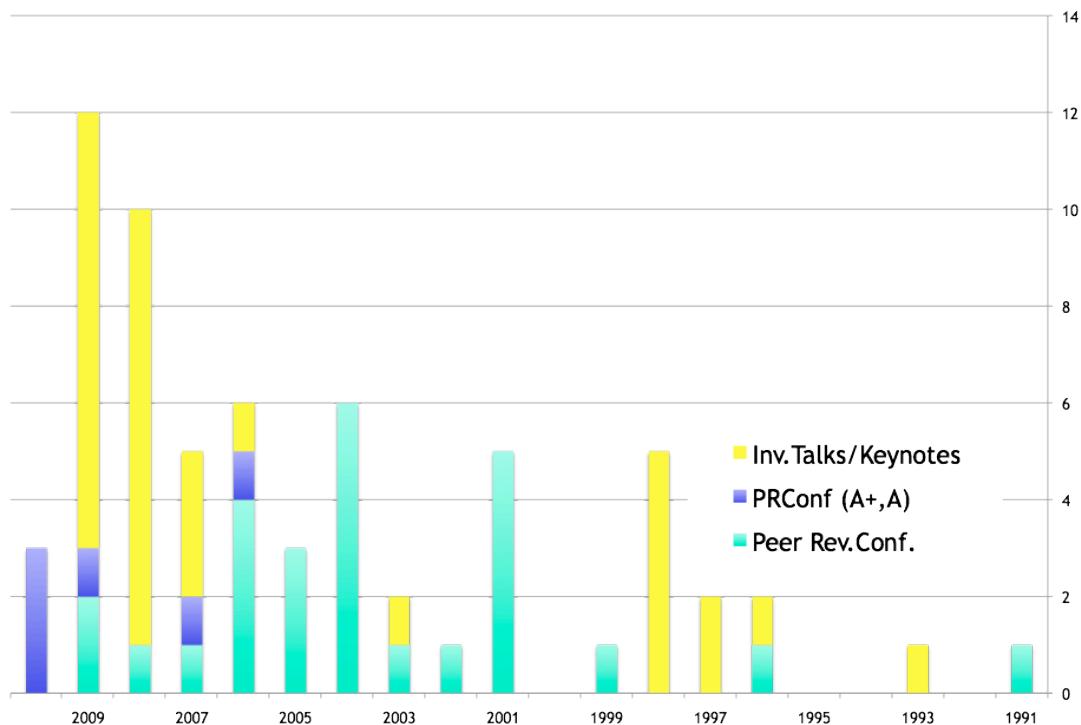


Figure 4 Peer-reviewed A+ and A conferences (dark blue), other peer-reviewed conferences (turquoise) and Invited talks and Keynotes (yellow), per year

4. Teaching activities

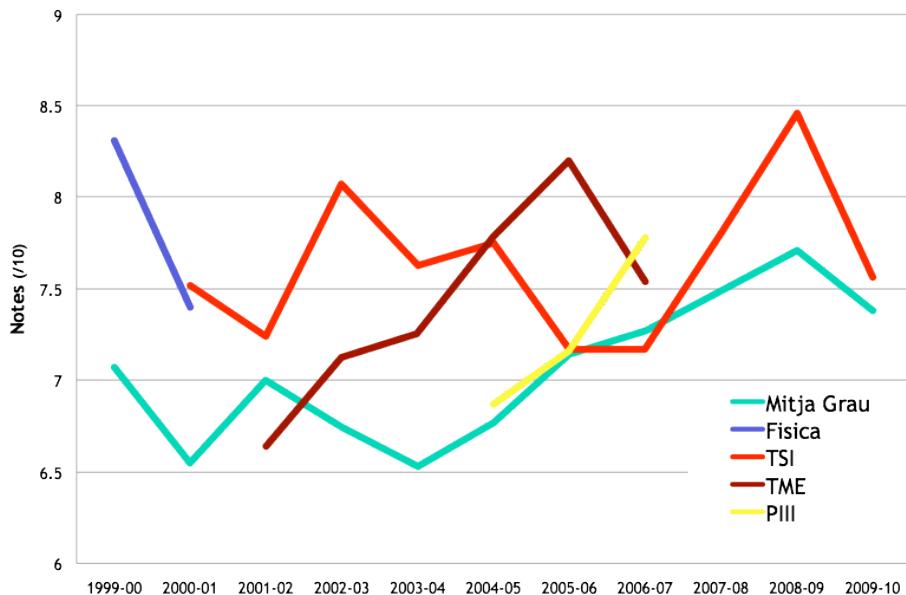


Figure 5 Qualifications obtained through the students' questionnaires, in the different curses, between 1999 and 2010
(in light blue is the average qualification of the whole studies during the same period)

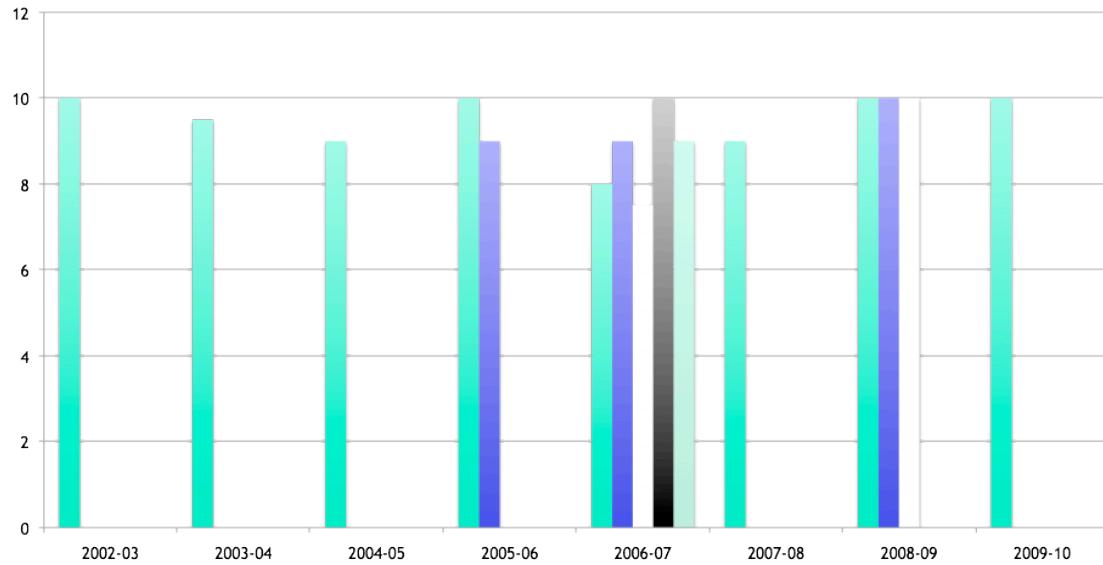


Figure 6 Qualifications obtained by the undergraduate students in their final projects
(15 projects directed between 2002 and 2010 with an average grade of 9,3)