

## Nuria Oliver, PhD

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<http://www.nuriaoliver.com>

### Education

<b>Ph.D. with Honors in Media Arts &amp; Sciences</b> <i>Massachusetts Institute of Technology (MIT)</i> Thesis Title: 'Towards Perceptual Intelligence: Statistical Modeling of Human Individual and Interactive Behaviors' Research in Perceptual Intelligence, Statistical Machine Learning, Multimodal Human Computer Interaction, Wearable Computing, Smart Clothes, Pattern Recognition	2000
<b>S.M. with Honors in Electrical Engineering and Computer Sciences</b> <i>Polytechnical University of Madrid (UPM)</i> Honors: Best EECS student in Spain Two majors: Signal Processing and Telematics Master's Thesis with Honors in Computer Vision	1994
<b>B.S. in Electrical Engineering and Computer Science</b> <i>Polytechnical University of Madrid (UPM)</i> Honors: Best undergraduate EECS student in the school GPA: 9.2/10.0	1992

### Honors & Awards

<b>MIT TR100 Young Innovator Award</b>	2004
<b>Cited as 1 of the 40 most influential young persons in Spain by EL PAIS newspaper</b>	1999
<b>Motorola Fellow</b>	1997-1998
<b>'La Caixa' Foundation Fellow</b>	1995-1997
<b>Spanish First National Award of EECS graduates</b>	1994
<b>First Award of MS EECS graduates of ETSIT (UPM)</b>	1994
<b>First Award of BS EECS graduates of ETSIT (UPM)</b>	1992
<b>Siemens 'International Student Circle' Fellow</b>	1992-1993
<b>Asociacion Mutualista para la Ingenieria Civil Fellow</b>	1989-1994

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## Professional Experience

### **Telefónica R&D, Barcelona, Spain**

Scientific Director in Multimedia

Responsible for building a top team of researchers in the areas of multimedia data analysis, search and retrieval, mobile and ubiquitous computing and multi-modal interfaces

*2007-Present*

### **Microsoft Research, Redmond, WA, USA**

Researcher in Artificial Intelligence, Statistical Machine Learning, Multi-modal User Interfaces, Wearable Physiological Monitoring, Mobile Computing

*2000-2007*

### **Massachusetts Institute of Technology (MIT), Boston, MA, USA**

Research Assistant in Statistical Machine Learning, Pattern Recognition, Perceptual Computing, Wearable Computing, Smart Clothes, Computer Vision

*1995-2000*

### **GMD First (Fraunhofer Institut), Berlin, Germany**

Visiting Research Scientist

Theoretical work on kernel methods, regularization theory and information geometry

*1999*

### **Telefonica I+D, Madrid, Spain**

Permanent Software Engineer

Designed a system for monitoring traffic through telecommunication networks

*1994-1995*

### **Siemens F&E, Munich, Germany**

Research Assistant Engineer

Parsers, grammars, compilers-benchmarking

*Summer*

*1993*

### **Siemens F&E, Munich, Germany**

Research Assistant Engineer

Computer Systems Benchmarking (EU ESPRIT project named 'Benchmarking for embedded control and real-time applications')

*Summer*

*1992*

### **Computer Vision Laboratory, ETSIT, UPM, Madrid, Spain**

Research Assistant

M.S. Thesis in Computer Vision: 'Car detection and tracking in a highway application'. Collaboration with EU ESPRIT project 'Locomotive' and 'Victoria'

*1992-1994*

### **Various Laboratories, ETSIT, UPM, Madrid, Spain**

Teaching Assistant on Computer Networks, Digital Electronics, Digital Systems and Digital Communications

*1990-1993*

## Invited Distinguished Talks

- **"Human-Centric Multimedia Access"**. [Open Research Day](#). Telefonica Research. Barcelona. Spain. November 2008
- **"Physiological Monitoring on a Mobile Phone"**. [Jornadas de las Mujeres en Informatica](#). Alicante. Spain. October 2008
- **"Towards Perceptual Intelligence: Challenges and Opportunities in Sensing and Machine Learning"**. [International Conf. of Computer Aided Design of User Interfaces CADUI'08](#). Albacete. Spain. June 2008
- **"La Caixa Fellowship Invited Talk"**. CaixaForum. Madrid. May 2008
- **"Towards Perceptual Intelligence: Challenges and Opportunities in Sensing and Machine Learning"**. UPF. Barcelona. Spain. March 2008
- **"Towards Perceptual Intelligence: Challenges in Sensing, AI and ML in Human Centric Computing"** Invited talk at the Universidad Politecnica de Catalunya (UPC). Barcelona. Spain. Nov 2007
- **"Smart Spaces and Users"** Invited talk at the [University of Alicante](#). Alicante. Spain. Jan 2007
- **"Towards Perceptual Intelligence"** Invited talk at the [Auditorio CAM](#). Alicante. Spain. Dec 2006
- **"Wearable Physiological Monitoring"** Invited talk at the [TTI/Vanguard NextGens Conference](#). Seattle. Dec 2006
- **"S-SEER: Office Activity Recognition with a Layered Representation and Selective Perception"** Invited talk at the ["Activity Recognition and Discovery Workshop"](#) at NIPS 2005. Vancouver, Canada. December 2005
- **"Towards Perceptual Intelligence"** Invited talk at [CEDI 2005](#). Granada. Spain. Sept 2005
- **"Research in Science and Technology: Opportunities and Challenges"**. Invited speaker at the Conference on Policies for Research organized by the Spanish Ministry of Science and Technology. [Univ. Menendez Pelayo](#). Santander, Spain. July 2005
- **"S-SEER: Office Activity Recognition with a Layered Representation and Selective Perception"** Invited talk at the Machine Learning for Multimodal Interfaces Conference. [IDIAP](#). Switzerland. June 2004
- **"Graphical Models for Perceptually Intelligent Systems"**. Tutorial at INTERMEDIA 2001. Valencia, Spain. May 2001
- **"Towards Perceptual Intelligence"** Keynote Speech at the International Conference on Visual Computing (Visual 2000) Mexico City, Mexico. Sept 2001
- **"Internet and Society"** Invited Speech at the International Conference on Technology and the Stock Markets Palace of Congress, Stock Market School, Madrid, Spain. May 00
- **"Social Technology"** Invited Talk at the International University Menéndez Pelayo (UIMP) Palacio de la Magdalena, Santander, Spain. July 99
- **"Perceptual Intelligence"** Invited Talk at EFIC'99 Chiclana de la Frontera, Spain. June 99
- **"Perceptual Intelligence"** Invited Talk at NECSYS'99 Computer Science Dept., Valencia University, Valencia, Spain. May 99
- **"Cities of Atoms and Bits"** Invited Talk for Valencia's Strategic City Plan Palace of Conferences, Valencia, Spain. April 99
- **"Perceptual Intelligence at the MIT Media Lab"** Invited Talk for the [Spanish Senate](#) Commission on Technology, Computer Networks and the Internet Spanish Senate. Palacio del Senado Plaza de la Marina. Madrid. 22 Dec 98
- **"The MIT Media Lab: The Most Advanced Technological Research"** Invited Keynote Speech at the Catalanian Science Week Barcelona. Spain. Nov 99

## Publications in International Conferences

- ["Measuring the Pulse of the City through Shared Bicycle Programs"](#) Froehlich, J., Neumann, J., and **Nuria Oliver** (2008)  
Proceedings of International Workshop on Urban, Community, and Social Applications of Networked Sensing Systems - UrbanSense08, Raleigh, North Carolina, USA, November 4, 2008
- ["Multimodal Photo Annotation and Retrieval on a Mobile Phone"](#) Xavier Anguera, Jiejun Xu and **Nuria Oliver**  
Proceedings of Int. Conf. Multimedia Information Retrieval (MIR'08) 2008 Conference. Oct 2008
- ["Mobile and Multimodal Personal Image Retrieval: A User Study"](#) Xavier Anguera, **Nuria Oliver** and Mauro Cherubini  
Proceedings of Int. Workshop on Mobile Information Retrieval (MobIR'08), SIGIR 2008 Conference. July 2008
- ["MAMI: Multimodal Annotations on a Camera Phone"](#) Xavier Anguera and **Nuria Oliver**  
Proceedings of Int. Conf. on Mobile HCI (MobileHCI'08), Sept 2008
- ["TripleBeat: Enhancing Exercise Performance with Persuasion"](#) Rodrigo de Oliveira and **Nuria Oliver**  
Proceedings of Int. Conf. on Mobile HCI (MobileHCI'08), Sept 2008
- ["RelAltTab: Assisting Users in Switching Windows"](#) **Nuria Oliver**, Mary Czerwinski, Greg Smith and Kristof Roomp  
Proceedings of Int. Conf. on Intelligent User Interfaces 2008 (IUI'08), Jan 2008
- ["Health-OS: A Position Paper"](#). D. Kirovski, **Nuria Oliver**, M. Sinclair, and D.S. Tan. First International Workshop on Systems and Networking Support for Healthcare and Assisted Living Environments (HealthNet'07), 2007.
- ["Enhancing Exercise Performance through Real-time Physiological Monitoring and Music: A User Study"](#) **Nuria Oliver** and Lucas Kreger-Stickles  
Proceedings of Pervasive Health 2006. Innsbruck, Austria, Nov 2006
- ["PAPA: Physiology and Purpose-Aware Automatic Playlist Generation"](#) **Nuria Oliver** and Lucas Kreger-Stickles  
Proceedings of ISMIR 2006. Victoria, Canada, Oct 2006
- ["MPTrain: A Music and Physiology-based Personal Trainer on your Mobile Phone"](#) **Nuria Oliver** and Fernando Flores-Mangas.  
Proceedings of Int. Mobile HCI (MobileHCI'06). Helsinki, Iceland, Sept 2006.
- ["HealthGear: A Real-Time Wearable System for Monitoring and Analyzing Physiological Signals"](#) **Nuria Oliver** and Fernando Flores-Mangas.  
Proceedings of Int. Conf. on Body Sensor Networks (BSN'06). MIT. Boston. USA. April 2006.
- ["SWISH: Semantic Analysis of Window Titles and Switching History"](#) **Nuria Oliver**, Greg Smith, Chintan Thakkar and Arun C. Surendran  
Proceedings of Int. Conf. on Intelligent User Interfaces (IUI'06). Sydney. Australia. Jan 2006.
- ["HealthGear: A Real-time Wearable System for Monitoring and Analyzing Physiological Signals"](#) **Nuria Oliver** and Fernando Flores-Mangas. MSR Technical Report. May 2005.
- ["A Comparison of HMMs and Dynamic Bayesian Networks for Recognizing Office Activities"](#) **Nuria Oliver** and Eric Horvitz  
Proceedings of Int. Conf. on User Modeling (UM'05). Edinburgh, UK. Jul 2005.
- ["Selective Perception Policies for Limiting Computation in Multimodal Systems: A Comparative Analysis"](#) **Nuria Oliver** and Eric Horvitz  
Proceedings of Int. Conf. on Multimodal Interfaces (ICMI'03). Vancouver, CA. Nov 2003.
- ["GWindows: Robust Stereo Vision for Gesture-Based Control of Windows"](#) Andrew Wilson and **Nuria Oliver**  
Proceedings of Int. Conf. on Multimodal Interfaces (ICMI'03). Vancouver, CA. Nov 2003.
- ["GWindows: Towards Robust Perception-Based UI"](#) Andy Wilson and **Nuria Oliver**  
Proceedings of Int. Conf. on Computer Vision and Pattern Recognition (CVPR'03). Workshop on Computer Vision for CHI). Madison, WI. June 2003.

- "[Layered Representations for Learning and Inferring Office Activity from Multiple Sensory Channels](#)" **Nuria Oliver**, Eric Horvitz, and Ashutosh Garg  
Proceedings of Int. Conf. on Multimodal Interfaces (ICMI'02). Pittsburgh, PA. October 2002.
- "[MIHMMs: Mutual Information Hidden Markov Models](#)" **Nuria Oliver** and Ashutosh Garg  
Proceedings of [International Conference on Machine Learning, ICML'2002](#), Sydney, Australia, July 2002  
Also presented at the Snowbird 2002 Learning Workshop, Snowbird (UT), April 2002
- "[Curve Analogies](#)" Aaron Hertzmann, **Nuria Oliver**, Steve Seitz and Brian Curless  
Proceedings of [Eurographics Workshop on Rendering](#), Italy, June 2002  
Technical sketch at [Siggraph 2002](#)
- "[Hierarchical Representations for Inferring Office Activities from Multiple Sensory Channels](#)" **Nuria Oliver**, Ashutosh Garg and Eric Horvitz  
Intl. Conf. on Computer Vision and Pattern Recognition, CVPR'01. Workshop on 'Cues in Communication'. Kauai, Hawaii. Dec 01
- "[Image Analogies](#)" Aaron Hertzman, Chuck Jacobs, **Nuria Oliver**, Brian Curless and David Salesin  
Proceedings of ACM SIGGRAPH'01. Los Angeles. August 01
- "[Graphical Models for Driver Behavior Recognition in a SmartCar](#)" **Nuria Oliver**, and Alex Pentland  
Proceedings of IEEE Intl. Conference on Intelligent Vehicles 2000 Detroit. Michigan. October 00
- "Driver Behavior Recognition and Prediction in a SmartCar" **Nuria Oliver**, and Alex Pentland  
Proceedings of SPIE Aerosense2000 'Enhanced and Synthetic Vision' Orlando. Florida. April 00
- "[A Bayesian Synthetic Agent System for Modeling Human Interactions](#)", **Nuria Oliver**, Barbara Rosario and Alex Pentland  
Proceedings of Intl. Conference on Autonomous Agents (AA'99). Seattle. Washington. May 99
- "[A Bayesian Computer Vision System for Modeling Human Interactions](#)", **Nuria Oliver**, Barbara Rosario and Alex Pentland  
Proceedings of Intl. Conference on Vision Systems (ICVS'99). Gran Canaria. Spain. January 99.
- "[DyPERS: Dynamic Personal Enhanced Reality System](#)", Bernt Schiele, **Nuria Oliver**, Tony Jebara and Alex Pentland  
Proceedings of Intl. Conference on Vision Systems (ICVS'99). Gran Canaria. Spain. January 99.
- "[Graphical Models for Recognizing Human Interactions](#)", **Nuria Oliver**, Barbara Rosario and Alex Pentland.  
Proceedings of Intl. Conference on Neural Information and Processing Systems (NIPS'98). Denver. Colorado. Nov.-Dec. 98.
- "[Graphical Models for Recognizing Human Interactions](#)" **Nuria Oliver**, Barbara Rosario and Alex Pentland  
Transactions of Pattern Analysis and Machine Intelligence (TPAMI). Vol 22, N. 8, pp. 831-843. Aug. 2000.
- "[A Bayesian Computer Vision System for Modeling Human Interactions](#)", **Nuria Oliver**, Barbara Rosario and Alex Pentland  
IEEE International Conference on Computer Vision (CVPR'98) (Workshop on Interpretation of Visual Motion). Santa Barbara, CA, June 98.
- "Statistical Models of Human Behavior", **Nuria Oliver**. Proposal for PhD General Exams. Media Laboratory, MIT. Sept 97
- "[3D Modeling of Human Lip Motion](#)", Sumit Basu, **Nuria Oliver** and Alex Pentland  
Proceedings of IEEE International Conference on Computer Vision (ICCV'98), Bombay, India. Jan 08.
- "[Responsive Portraits](#)", Flavia Sparacino, **Nuria Oliver**, Glorianna Davenport and Alex Pentland.  
Proceedings of International Symposium on Electronic Art, (ISEA'97), Chicago, USA.
- "[LAFTER: A Real-time Lips and Face Tracker with Facial Expression Recognition](#)", **Nuria Oliver**, Alex Pentland and F. Berard.  
Proceedings of IEEE Conference on Computer Vision (CVPR'97), San Juan, Puerto Rico  
Also in Pattern Recognition [Pattern Recognition version \(long\)](#) *Winner of the Special Mention Award from the Pattern Recognition Society as an outstanding publication. Nov 2000.*

- ["Coupled hidden Markov models for complex action recognition"](#), Matthew Brand, **Nuria Oliver** and Alex Pentland.  
Proceedings of IEEE Conference on Computer Vision and Pattern Recognition (CVPR'97), Puerto Rico

## Book Chapters and Journal Papers

- ["Towards Wearable Physiological Monitoring on a Mobile Phone"](#) Nuria Oliver, Fernando Flores-Mangas and Rodrigo de Oliveira. In Mobile Health Solutions for Biomedical Applications (ISBN: 978-1-60566-332-6) IGI Global
- "Supporting Human Memory with a Personal Digital Lifetime Store. Chapter to appear in Personal Information Management: Challenges and Opportunities"  
Tan, D.S., Berry, E., Czerwinski, M., Bell, G., Gemmell, J., Hodges, S., Kapur, N., Meyers, B., **Oliver, N.**, Robertson, G., Wood, K.  
University of Washington Press. In Press at 2007
- ["HealthGear: Automatic Sleep Apnea Detection and Monitoring with a Mobile Phone"](#)  
**N. Oliver** and Fernando Flores-Mangas  
Journal of Communications, 2 (2), March 2007
- ["Selective Perception Policies for Guiding Sensing and Computation in Multimodal Systems: A Comparative Analysis"](#)  
**Nuria Oliver** and Eric Horvitz  
Lectures Notes in Computer Science. Springer Verlag. Jan 2005
- "S-SEER: Selective Perception in a Multimodal Office Activity System"  
**Nuria Oliver** and Eric Horvitz  
Int. Journal on Computer Vision and Image Understanding (CVIU 2005)
- ["Layered Representations for Learning and Inferring Office Activity from Multiple Sensory Channels"](#)  
**Nuria Oliver**, Ashutosh Garg and Eric Horvitz  
Int. Journal on Computer Vision and Image Understanding (CVIU'04)
- ["Sensory Augmented Computing: Wearing the Museum's Guide"](#)  
Bert Schiele, Tony Jebara and **Nuria Oliver**.  
To Appear in IEEE Micro Journal
- ["Natural Regularization in SVMs"](#)  
**Nuria Oliver**, Bernhard Schoelkopf and Alex Smola.  
Appears in 'Advances in Large Margin Classifiers', Springer-Verlag. NIPS99 workshop on Geometry and Learning. Denver. Colorado. Dec 99
- ["A Bayesian Computer Vision System for Modeling Human Interactions"](#)  
**Nuria Oliver**, Barbara Rosario and Alex Pentland.  
Appears in PAMI Special Issue on Visual Surveillance and Monitoring, Aug 00
- ["LAFTER: A real-time lips and face tracker with facial expression recognition"](#)  
**Nuria Oliver**, Francois Berard and Alex Pentland.  
Appears in Pattern Recognition, vol. 33 (2000), n. 8  
*Winner of the Special Mention Award from the Pattern Recognition Society as an outstanding publication. Nov 2000.*

## Patents

<i>US Patent App.</i>	<i>Patent Title</i>
<a href="#"><u>20080005693</u></a>	<a href="#"><u>Window Grouping</u></a>
<a href="#"><u>20070300225</u></a>	<a href="#"><u>Providing user information to introspection</u></a>
<a href="#"><u>20070300185</u></a>	<a href="#"><u>Activity-centric adaptive user interface</u></a>
<a href="#"><u>20070300174</u></a>	<a href="#"><u>Monitoring group activities</u></a>
<a href="#"><u>20070299949</u></a>	<a href="#"><u>Activity-centric domain scoping</u></a>
<a href="#"><u>20070299796</u></a>	<a href="#"><u>Resource availability for user activities across devices</u></a>
<a href="#"><u>20070299795</u></a>	<a href="#"><u>Creating and managing activity-centric workflow</u></a>
<a href="#"><u>20070299713</u></a>	<a href="#"><u>Capture of process knowledge for user activities</u></a>
<a href="#"><u>20070299712</u></a>	<a href="#"><u>Activity-centric granular application functionality</u></a>
<a href="#"><u>20070299631</u></a>	<a href="#"><u>Logging user actions within activity context</u></a>
<a href="#"><u>20070297590</u></a>	<a href="#"><u>Managing activity-centric environments via profiles</u></a>
<a href="#"><u>20070118043</u></a>	<a href="#"><u>Algorithms for computing heart rate and movement speed of a user from sensor data</u></a>
<a href="#"><u>20070113726</u></a>	<a href="#"><u>Using music to influence a person's exercise performance</u></a>
<a href="#"><u>20070113725</u></a>	<a href="#"><u>Algorithm for providing music to influence a user's exercise performance</u></a>
<a href="#"><u>20070027367</u></a>	<a href="#"><u>Mobile, personal, and non-intrusive health monitoring and analysis system</u></a>
<a href="#"><u>20060101377</u></a>	<a href="#"><u>Parsing location histories</u></a>
<a href="#"><u>20050132378</u></a>	<a href="#"><u>Systems and methods for guiding allocation of computational resources in automated perceptual systems</u></a>
<a href="#"><u>20040193413</u></a>	<a href="#"><u>Architecture for controlling a computer using hand gestures</u></a>
<a href="#"><u>20040189720</u></a>	<a href="#"><u>Architecture for controlling a computer using hand gestures</u></a>
<a href="#"><u>20040002930</u></a>	<a href="#"><u>Maximizing mutual information between observations and hidden states to minimize classification errors</u></a>
<a href="#"><u>20040002838</u></a>	<a href="#"><u>Layered models for context awareness</u></a>

## Publications in the Press and other Media

- **"MIT, un centro mítico"**  
Nuria Oliver & J.J. Mazo  
Heraldo de Aragon newspaper. Oct 00. Spain. Spain.
- **"¿El Fin de la Biodiversidad?"**  
Nuria Oliver  
La Finestra Americana Tecno 2000 magazine. July 00. Barcelona. Spain.
- **"Diario de un Cyborg"**  
Nuria Oliver  
La Finestra Americana Tecno 2000 magazine. March 00. Barcelona. Spain.
- **"La educación e investigación del futuro: riesgos calculados, revoluciones creativas"**  
Nuria Oliver  
La Finestra Americana Tecno 2000 magazine. Jan 00. Barcelona. Spain.
- **"Capitalismo Filantropico"**  
Nuria Oliver  
La Finestra Americana Tecno 2000 magazine. Nov 99. Barcelona. Spain.
- **"Alimentos transgenicos: la controversia esta servida"**  
Nuria Oliver  
La Finestra Americana Tecno 2000 magazine. Sept 99. Barcelona. Spain.
- **"Humanoides"**  
Nuria Oliver  
'El PAIS' newspaper (Ciberpais). 1999. Madrid. Spain.
- **"El modelo educativo del Media Lab"**  
Nuria Oliver  
Contrastes magazine. June 99. Valencia. Spain.
- **"Nanotecnologia"**  
Nuria Oliver  
'El PAIS' newspaper (Ciberpais). June 99. Madrid. Spain.
- **"Cyborgs"**  
Nuria Oliver  
La Finestra Americana Tecno 2000 magazine. June 99. Barcelona. Spain.
- **"La medicina del nuevo milenio"**  
Nuria Oliver  
La Finestra Americana Tecno 2000 magazine. May 99. Barcelona. Spain.
- **"Tango: conectando el mundo...sin cables"**  
Nuria Oliver  
'El PAIS' newspaper (Ciberpais). March 99. Madrid. Spain.
- **"La informatica afectiva"**  
Nuria Oliver  
'El PAIS' newspaper (Ciberpais). March 99. Madrid. Spain.
- **"El rayo de sonido"**  
Nuria Oliver  
'El PAIS' newspaper (Ciberpais). Feb 99. Madrid. Spain.

## Artistic Collaborations

**"Unbuilt Ruins"** Ken Larson, Design and development of the exhibit's device drivers and controllers (slide projector, tag readers). MIT, Cambridge, MA, 1999. Tour in USA and Europe. Submitted to Ars Electronica.

## Press Releases

- ["Telefonica develops solutions for Bicing"](#). *El Pais Newspaper*. Oct 2008
- ["Telefonica works on 3D video and social shopping"](#). *Expansion Newspaper*. Oct 2008
- ["Telefonica predicts that the mobile phone will be used to do social shopping"](#). *Expansion Newspaper*. Oct 2008
- ["Ciencia y Empresa, un maridaje con potencial"](#). *Capital Magazine*. June 2008
- ["Nuria Oliver"](#) *LA CAIXA Foundation Magazine*. June 2008
- ["Cheque en blanco para formar a los futuros gestores de empresas"](#) *Cinco Dias Newspaper*. May 2008
- ["Repatriar jovenes talentos"](#) *La Vanguardia Newspaper*. March 2008
- ["Nuria Oliver"](#) Interview for *La Verdad Newspaper*. Feb 2008
- ["Nuria Oliver deja a Bill Gates por Alierta"](#) by Noemi Gomez. *Expansion newspaper*. Jan 2008
- ["Telefonica repatria jovenes investigadores"](#) by Tomas del Clos. *EL PAIS newspaper*. Jan 2008
- ["Telefonica invierte 100 millones en Catalunya"](#)  
*EL PAIS newspaper*, Nov 07
- ["Microsoft Researchers Show off Wireless Projects"](#)  
*PCWorld Magazine Article*, July 07
- ["HealthGear and MPTrain"](#)  
Interview and demo for ABC "Good Morning America". July 07
- ["El cerebro que nos cambio el mundo"](#)  
by David Dusster. *La Vanguardia Magazine*, June 07
- [Interview for QUO Magazine: Nuria Oliver](#)  
April 06
- [Interview in "Noche Sin Tregua"](#)  
*Paramount Comedy*. Feb 06
- ["Viaje al Centro de Microsoft"](#)  
Special Report for "EL PAIS EPS". Jan 06
- [Interview in "LA CAIXA Newsletter"](#). Sept 05
- ["Nuria Oliver: Interview with an Expert in AI"](#)  
*Muy Interesante Magazine*. Aug 05
- [Interview in "Actualidad Economica"](#) Feb 05
- ["Artificial Intelligence"](#) by Baltasar Magro  
*TVE2 Program "De Cerca"*. Jan 05
- [Interview for "Ronda Magazine"](#)  
*Iberia Airlines' Magazine*. Dec 04
- ["Una española en la cima digital"](#)  
*EL PAIS newspaper*. Sept, 24<sup>th</sup> 04
- ["TR100 Award"](#)  
*MIT's Technology Review Magazine*. Sept 04
- ["Microsoft researchers from far-flung labs share work in Redmond"](#) by Dan Richman.  
*Seattle P-I newspaper*, Feb 03
- *CNN Headline News*, "Hot-wired" and *CNN Headline News National Cable*  
March 7th, 03

- *Interview for El PAIS newspaper*  
EL PAIS newspaper. Valencia. May 01
- *The Future of Technology at the MIT Media Lab*  
GEO Magazine. May 00.
- *Generación XXI: 40 jóvenes españoles que serán noticia en el tercer milenio*  
Special Report for 'EL PAIS SEMANAL'. October 99.
- *Interview for "Onda Cero"*  
Onda Cero radio station. July 99
- *Interview for TVE New* by A.M. Pascual  
TVE 1 channel. May 99
- *Interview for "Crónicas Marcianas"* by J.M. Sardá  
Tele5 TV channel. May 99
- *Interview for "La Gaceta Universitaria"* by M.J. Falcó .  
"La Gaceta Universitaria" newspaper. Madrid. Spain. May 99
- *Interview for Web Magazine* by J.C. González.  
Web Magazine. Barcelona. Spain. May 99
- *Interview for PCWeek* by Ana Oliva.  
PCWeek Magazine. Madrid. Spain. Jan 99
- *"El increíble mundo de Nuria Oliver* by Ana Maria Pascual.  
Tiempo Magazine. Madrid. Spain. Jan 99
- *"Nuria Oliver, investigadora del Media Lab de MIT"*  
by Mónica Torres.  
Canarias7 Newspaper. Gran Canaria. Spain. Jan 99
- *"Nuria Oliver, investigadora del Media Lab"*  
by Juan Carlos González.  
Tecno 2000 Magazine. Barcelona. Spain. Jan 99
- *"Una española diseña ropas inteligentes en el Media Lab de MIT"*  
ABC Newspaper  
Madrid. Spain. Dec 98
- *"Nuria Oliver: la única investigadora española del Media Lab"*  
by Joan Carles Ambrojo  
Ciberpais. El Pais Newspaper Madrid. Spain. Nov 98.
- Various Radio interviews for RNE, Onda Rambla, Onda4
- Various other newspapers articles

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## Foreign Languages

Extremely proficient in:

- Spanish (mother language),
- English (Licensed English teacher by the Spanish Foreign Languages School, TOEFL (Nov 93): 633)
- French (Licensed French teacher by the Spanish Foreign Languages School)
- German (ZMP (1994) and ZFE (1992) from Goethe Institute)

One-year of Italian, some knowledge of Hebrew.

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## Programming Proficiencies

Very experienced programmer in C, C++, C# and Matlab in desktop and mobile phone environments.

A lot of experience in data acquisition systems (LabView, DirectX)

Have developed several real-time sensor data processing, analysis and understanding systems.

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## **Professional Service**

Program Co-chair of IUI 2009

Regular reviewer and member of the Program Committee of numerous conferences and journals, including IUI, CVPR, NIPS, AAAI, CHI, Mobile HCI, TPAMI, Interaccion, AISTATS, AI Magazine, ICMI, IJCAI, Ubicomp, Pervasive, Pervasive Health, etc...

IEEE and ACM professional member

Have participated multiple times in the Grace Hopper Celebration of Women in Computing.

Very interested in encouraging female students to pursue careers in science and technology.

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## **Other Interests**

Technology and its impact in people's lives, robotics, sustainability, yoga and swimming, traveling and foreign cultures, art and architecture, independent cinema, literature, developmental psychology, Formula 4 racing.