



**5th pHealth Workshop on Wearable Micro and Nano
Systems for Personalised Health**

pHealth 2008

“From Research into Practice”

21st, 22nd and 23rd May 2008

Paraninfo de la Universidad Politécnica de Valencia
VALENCIA, SPAIN

Organized by:

*Instituto Universitario de Aplicaciones de las Tecnologías de la
Información y de las Comunicaciones Avanzadas.
Universidad Politécnica de Valencia*

With the collaboration of:

*Ayuntamiento de Valencia
FIVEC-Fundación Valenciana para la Innovación urbana y Economía del
Comercio
Universidad Politécnica de Madrid
Agencia Valenciana de Salud
Information Society Technologies – European Union
Fundación Comunidad Valenciana – Región Europea*

Sponsored by:

*Fundación Vodafone España
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IKERLAN
WearTech
Medtronic Ibérica
I2BC
Aitex
Atos Origin*



Invitation

The 5th edition of the **International Workshop on Wearable, Micro and Nano Technologies for the Personalised Health**, pHealth 2008 will take place May 21-23 2008, in the Conference Centre of the Polytechnic University of Valencia, in Valencia, Spain.

pHealth Workshop is a forum of discussion, a networking and experiences exchange on the state of the art and future challenges for nano and micro technologies, wearable and implantable sensors and ICT into personal health management systems.

pHealth Workshop has attained a growing degree of interest and attention from experts from various spheres; from academia, technological research, industry and the health care sector, following four successful editions in Prato 2003, Belfast 2004, Luzern 2006 and Thessaloniki 2007. Our 2008 Workshop will bring together leading specialists from all aspects of healthcare and technology to inform, discuss, debate and learn how the personalised health paradigm can become a reality, moving from the laboratory to daily life to help reshape and transform the care process.

Topics

Key topics include advanced research in micro and nano sensors, wearable and implantable systems, technological trends in ICT solutions for patient self-management, health and life management and personalised interactions, business vision and experiences, and implementation viability.

Format

The main Scientific Program will be structured over seven sessions for each key topic and three key note speakers. The Scientific Sessions will follow the format of round tables with invited experts that will debate the central topic. Open discussion with the floor will be encouraged by the chairmen to enable an active intervention of all attendees.

Moving on from the success of the previous edition, we would like to leave time in the program for researchers and companies to present **free papers** in poster format and demos, enabling peer to peer discussions in a friendly atmosphere.

We have also allocated an exhibition space and facilities for organisations that want to be present with their products and technologies.



Social environment

Since networking is one of the most interesting facets of the pHealth conference, we have dedicated part of the program to social events that are going to give you a lot of opportunities to make personal contacts while enjoying the great offer of culture, fun, food and tourist attractions in Valencia.

Who should attend?

- Academia and technology research experts
- Health care executives
- Influential health, business and ICT professionals
- Disease management organizations
- ICT industry and SMEs with business in medical devices, patient care, health information systems
- Payers, providers and policy makers
- Physicians, nurses and allied health professionals

This will be a workshop not to be missed. We hope to see you in Valencia.

Sergio Guillén PhD

Chairman

Conference Program

<i>Wednesday 21st May 2008</i>	
08:00/09:00	<i>REGISTRATION</i>
09:00/09:30	OPENING SESSION
09:30/10:30	<p>KEY NOTE SPEECH Ted Selker Associate Professor of Media Arts and Sciences Director, Counter Intelligence Special Interest group on food and kitchens Director, Context-Aware Computing Group</p>
10:30/11:00	<i>COFFEE BREAK</i>
11:00/13:00	<p>SESSION 1: Advance Research in Micro and Nano Systems Chairman: Mr. Andreas Lymberis European Commission. Belgium</p>
13:00/14:15	<i>LUNCH</i>
14:15/16:15	<p>SESSION 2: Wearable Systems Chairman: Mr. Danilo di Rossi University of Pisa. Italy</p>
16:15/16:30	<i>COFFEE BREAK</i>
16:30/18:00	<p>SESSION 3: Implantable Systems Chairman: Mr. Javier Colás Medtronic Ibérica. Spain</p>
19:00	<i>TOURIST VISIT + DINNER (optional-needs previous registration)</i>

<i>Thursday 22nd May 2008</i>	
09:00/10:30	<p>SESSION 4: User Interaction and Multimedia Chairman: Mr. Boris Groth Fraunhofer Institute. Germany</p>
10:30/11:00	<i>COFFEE BREAK</i>
11:00/13:00	<p>SESSION 5: ICT for pHealth Chairman: Mr. Per Hasvold Telemedicine Norwegian Center. Norway</p>
13:00/14:15	<i>LUNCH</i>
14:15/16:30	Posters Session and Demos
16:30/18:00	<i>SOCIAL EVENT</i>
21:00	<i>GALA DINNER</i>

<i>Friday 23rd May 2008</i>	
09:00/10:30	<p>SESSION 6: A global market: analysis and future trends Chairman: Mr. Harald Reiter Philips Research. Germany</p>
10:30/11:00	<i>COFFEE BREAK</i>
11:00/13:00	<p>SESSION 7: Innovation, new business models and emerging niche markets Chairman: Mr. Eric McAdams NIBEC. UK</p>
13:00/13:30	<i>CLOSING SESSION</i>

About Valencia

Valencia is a vibrant, cosmopolitan city located on the Mediterranean shore. Founded by the Romans in the year 138 BC Valencia has accumulated enormous wealth from all the cultures which have resided here over the centuries (muslim, gothic ...). Stroll through Valencia and see the evolution of a city where prosperous historical tradition and recent and innovative architecture stand side by side.

The historic centre with its religious temples, Gothic, Baroque and Modernist monuments, the varied and renowned museums, the architectural projects such as the city of Arts and Science, and the Conference Palace are but a few of the many attractions which Valencia has to offer its visitors.

Valencia, symbol of the Third Millennium, is an avant-garde city with modern infrastructures and an innovative cultural scene. It is also a city of science and technology, with its brand-new infrastructures.

This beautiful Mediterranean city enjoys a mild temperate climate and offers a wealth of culinary delights, festivals and cultural events.

Visit Valencia and enjoy the very pleasant surprises it can offer.



The Venue

The pHealth Workshop will take place in the **Conference Centre of the Universidad Politécnica de Valencia**, in the main campus of the university (Campus de Vera). This venue is located in the north of Valencia, approx. 15 minutes walk from the coast. It takes only a short time to reach the historic centre of the city, the hotels and other places of interest.



Universidad Politécnica de Valencia

Campus de Vera



Plan of the University Campus

The Universidad Politécnica de Valencia (UPV) is a public, dynamic and innovative institution that is dedicated to research and teaching. The UPV maintains strong bonds with its social environment and a strong presence abroad.

In the Universidad Politécnica de Valencia, cohabitation is part of an educational project where students and teachers alike from our five campus sites (Vera, Blasco Ibáñez, Alcoy, Gandía and Xátiva) actively take part.

Currently, the university community is made up of over 42.000 people. Of these, nearly 37.800 are students, 2.600 are members of the teaching and research staff and 1.700 are administrative and services personnel. UPV is composed of 10 schools, 3 faculties and 2 higher polytechnic schools.



The main campus of the Universidad Politécnica de Valencia, as seen from the Conference Centre



View of the Conference Centre

Event organization

The **ITACA Institute** is a research and development entity of the Universidad Politécnica de Valencia, created with the aim of promoting and undertaking scientific research, technological development and technology transfer initiatives in the field of the Information and Communication Technologies (ICT).

Its technological range is concentrated in five areas:

- Digital Electronic systems and Industrial electronics
- High Performance Computing Systems
- Telecommunication Systems
- ICT systems in Health care
- Industrial applications of Electromagnetism

More than 250 qualified and experienced researchers, technicians and post graduate students work in seven laboratories with advanced equipment available in its facilities of 3,500 m².



ITACA

Health & Wellbeing Technologies (TSB) is the section of ITACA dedicated to the application of ICT in the fields of Health and Social Services. TSB has three main research programs: e-Health, e-Inclusion and Quality of Life. On the technological side, TSB is concentrated in four domains of applications: Information Systems Platforms, Wireless and Mobile Communication, Knowledge Management and Ambient Intelligence Technologies, providing services to the three research programs.

TSB has a wide experience in European Project cooperation due to the work developed by its different divisions for many years.



Local Organizing Committee

Chairman

Sergio Guillén, PhD Chair	<i>ITACA. Universidad Politécnica de Valencia (ES)</i>
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Co-Chairman

Vicente Traver, PhD	<i>ITACA. Universidad Politécnica de Valencia (ES)</i>
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Executive Committee

Clare Garner	<i>ITACA. Universidad Politécnica de Valencia (ES)</i>
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Ignacio Basagoiti	<i>ITACA. Universidad Politécnica de Valencia (ES)</i>
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Jose Antonio Morgado	<i>ITACA. Universidad Politécnica de Valencia (ES)</i>
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María José Nodal López	<i>ITACA. Universidad Politécnica de Valencia (ES)</i>
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Maria Teresa Arredondo	<i>Universidad Politécnica de Madrid, (ES)</i>
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Salvador Vera Manero	<i>ITACA. Universidad Politécnica de Valencia (ES)</i>
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Sergio Durán	<i>ITACA. Universidad Politécnica de Valencia (ES)</i>
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Vicente Traver	<i>ITACA. Universidad Politécnica de Valencia (ES)</i>
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Adolfo Plasencia	<i>Universidad Politécnica de Valencia (ES)</i>
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Scientific Committee

Andreas Lymberis	<i>European Commission(BE)</i>
Boris Groth	<i>IUK Fraunhofer (DE)</i>
Danilo De Rossi	<i>University of Pisa (I)</i>
Eric McAdams	<i>NIBEC (UK)</i>
Georges Kotrotsios	<i>CSEM (CH)</i>
Hariton Costin	<i>University of Medicine and Pharmacy of Iasi (ROM)</i>
Ilias Iakovidis	<i>European Commission (BE)</i>
Javier Colás	<i>Medtronic (ES)</i>
Jean Luprano	<i>CSEM (CH)</i>
Harald Reiter	<i>Philips Research labs (DE)</i>
Loukianos Gatzoulis	<i>European Commission (BE)</i>
Maria Teresa Arredondo	<i>Universidad Politécnica de Madrid (ES)</i>
Nicos Maglaveras	<i>Aristotle Univ. of Thessaloniki (GR)</i>
Per Hasvold	<i>Norwegian Center of TeleMedicine (NO)</i>
Sergio Guillén	<i>ITACA. Universidad Politécnica de Valencia (ES)</i>
Vicente Traver	<i>ITACA. Universidad Politécnica de Valencia (ES)</i>

Honour Committee

Molt Honorable Sr. D. Francisco Camps Ortiz	<i>President de la Generalitat Valenciana</i>
Exmo. Sr. D. Joan Clos i Matheu	<i>Ministro de Industria, Turismo y Comercio</i>
Exmo. Sr. D. Bernat Soria Escoms	<i>Ministro de Sanidad y Consumo</i>
Excma. Sra. D ^a . Rita Barberá Nolla	<i>Alcaldesa de Valencia</i>
Honorable Sr. D. Juan Cotino Ferrer	<i>Conseller de Bienestar Social de la Generalitat Valenciana</i>
Honorable Sr. D. Manuel Cervera Taulet	<i>Conseller de Sanitat de la Generalitat Valenciana</i>
Honorable Senyora D ^a . Belén Juste Picón	<i>Consellera de Industria, Comercio e Innovación de la Generalitat Valenciana.</i>
Excmo. Sr. Rector Magfco. D. Juan Juliá	<i>Rector de la Universidad Politécnica de Valencia</i>
Ms. Viviane Reding	<i>Commissioner for Information Society and Media</i>
Mr. Gérard Comyn	<i>Head of Unit. European Commission</i>

Registration

REGISTRATION FEE	
To 12 th April 2008	300 €
From 13 th April 2008	360 €
Students (certification needed) To 12 th April 2008	100 €
Students (certification needed) From 13 th April 2008	150 €

Payments may be done by electronic bank transference, VISA and MASTERCARD.

Important Dates

IMPORTANT DATES	
Poster and Demos <i>abstracts</i>	8 February 2008
Acceptance Posters and demo notification	14 March 2008
Invited Conferences <i>Full paper</i>	18 April 2008
Poster and Demo <i>Full papers</i>	18 April 2008
<i>Workshop</i>	21-23 May 2008

Conference Secretariat

Contact person: Clare Garner and María José Nodal

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Diffusion Activities

- A- **Web.** A web site of the conference (<http://www.phealth2008.org>) is going to be published to maintain all the information related to the workshop event. The web will be operative since 6th October 2008.
- B- **Mailing lists.** Invitation will be distributed worldwide.
- C- **Press Office.** In charge of the diffusion of the event through media: press, TV, internet. The Press Office will provide press releases and graphic material to all media before and during the conference. A press conference will be organised and speakers as well members of the scientific committee will be invited to participate.

Social Events

<i>Social Events Agenda</i>		
Tourist visit to the city of Valencia	21 May, 19:00	Visit to Valencia through historic Valencia. Not included in the conference fee
Dinner	21 May, 21:00	Organised for the best convenience of the attendees
Tourist Visit	22 May, 18:00	Visit to trough modern Valencia. Included in the conference fee
Gala Dinner	22 May, 21:00	Palacio de la Exposición. Included in the conference fee
Parallel touristic activities	22 May, 10:00	Visit to L'Oceanogràfic (for attendees companions).