



**International Symposium on**  
**Neurorehabilitation**  
**From Basics to Future**

**October 15-16, 2009**  
**Valencia, Spain**

[www.neurorehabilitationvalencia.es](http://www.neurorehabilitationvalencia.es)



Dear colleagues:

The high incidence of acquired brain injury, associated with the severe physical, cognitive and behavioural impairments that it provokes, represent a major public health problem. Although over the last years, interest in understanding the mechanism underlying recovery after acquired brain injury has increased, there is still a long way to revolutionize rehabilitation medicine with new and more efficient treatment strategies.

The main goal of this "First International Symposium on Neurorehabilitation" is to make an update on the current state of motor and cognitive rehabilitation after acquired brain injury. The organizers have devoted equal space and emphasis to the clinical practice of neurorehabilitation, including most recent technological advances, such as robotics or virtual reality, and to its basic science underpinnings, such as neuroplasticity and neural repair. The contents of this Symposium also aim to resolve assessment differences between the professional neurorehabilitation community, in an effort to find a "common language" in clinical and forensic evaluation.

The NISA Hospitals Brain Injury Service and Labhuman have been working hard, together with the Catedra Santiago Grisolia, in organizing this "First International Symposium on Neurorehabilitation", and it is a great pleasure for us to welcome everyone to this event. The program has been carefully put together with the aim of covering the most relevant aspects of neurorehabilitation, and we have the honour to have well-recognized world experts in various different fields of neurorehabilitation participating in this International Symposium.

We hope you will enjoy both the symposium, and the exciting and interesting city of Valencia.



Mariano Alcañiz

Polytechnic University Valencia  
Human Centered Technology Institute



Javier Chirivella

Cátedra Fundación Instituto  
Valenciano de Neurorehabilitación

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## Preliminary program

### BASICS

**Joseph Giacino.** JFK Johnson Rehabilitation Institute. NJ, USA.  
**Defining the borders of consciousness.**

**David Arciniegas.** University of Colorado School of Medicine. USA.  
**Pharmacologic facilitation of neurobehavioral rehabilitation.**

### PLASTICITY

**Randolph J. Nudo.** University of Kansas Medical Center. USA.  
**Cortical brain stimulation.**

**Joachim Liepert.** Kliniken Schmieder, Allensbach, Germany.  
**Cortical reorganization.**

### NEUROIMAGE

**Erin D. Bigler.** Brigham Young University, UT. USA.  
**Neuroimaging and its role in developing interventions.**

**Steven Laureys.** Cyclotron Research Centre and Neurology Department, University of Liège. Belgium.  
**Neuroimaging technology advances.**

### VIRTUAL COGNITIVE REHABILITATION

**Patrice L. (Tamar) Weiss.** Faculty of Social Welfare and Health Studies, University of Haifa. Israel.  
**Computers and assistive technology.**

**Albert Skip Rizzo.** Institute for Creative Technologies, University of Southern California. USA.  
**Virtual rehabilitation: applications for cognitive, emotional and motor interventions.**

**Mariano Alcañiz.** Human Centered Technology Laboratory (LabHuman) Technical University of Valencia. Spain.  
**EcoTrain®. A powerful tool for motor and cognitive rehabilitation.**

## **COGNITIVE REHABILITATION**

**Barbara Wilson.** The Medical Research Council Cognition and Brain Sciences Unit. Cambridge, UK.

**Cognitive rehabilitation: from basics to future.**

**Keith D. Cicerone.** JFK Johnson Rehabilitation Institute. NJ, USA.

**Factors influencing the outcomes of holistic neuropsychological rehabilitation.**

## **ASSESSMENT**

**Víctor Zurriaga.** Facultad de Medicina. Universidad de Barcelona. España.

**Establishing neurological outcome: Spanish and European schedule.**

**Alarcos Cieza.** ICF Research Branch, University of Munich, Germany.

**International classification of functioning, disability, and health.**

## **BEHAVIOUR**

**Jorge Moll.** Cognitive and Behavioral Neuroscience Unit, LABS-D'Or Hospital Network. Rio de Janeiro, Brazil.

**Emotion, cognition and moral judgment: evidence from neuroimaging.**

**James Blair.** Department of Health and Human Services, National Institute of Mental Health. USA.

**Assessment and intervention in acquired sociopath**

## **MOTOR REHABILITATION**

**José M. Carmena.** University of California. Berkeley, USA.

**Brain-machine interfaces.**

**Gery Colombo.** Hocoma AG. Volketswil, Switzerland.

**Automated locomotion therapy.**

## **VIRTUAL MOTOR REHABILITATION**

**Greg Burdea.** Rutgers University. NJ, USA.

**Virtual rehabilitation: review and future trends.**

**Emilio Bizzi.** McGovern Institute for Brain Research, Massachusetts Institute of Technology. USA.

**Modular organization of the movement.**

## Venue

The International Symposium on Neurorehabilitation will be held in the Santiago Grisolí Auditorium in the Museo de las Ciencias Príncipe Felipe of Valencia (Spain). The museum, designed by Valencian architect Santiago Calatrava, and with an auditorium of 2.800 square metres, provides the perfect venue for this symposium.

These emblematic projects have turned Valencia, with its heritage of over two thousand years of history, into a most modern city. The city is easily accessible by road, rail, sea and air. Its culture, cuisine and academic tradition along with its location on the Mediterranean coast and its pleasant climate, make the city the ideal setting for this symposium.

Santiago Grisolí Auditorium  
Museo de las Ciencias Príncipe Felipe  
Avenida Autopista del Saler, 7  
46013 Valencia, Spain

## Call for abstracts

Participants are invited to submit abstracts for oral or poster presentation for consideration by the scientific committee.

Abstracts should be submitted in English no later than **Sunday, July 12<sup>th</sup>, 2009**, indicating your preference for oral or poster presentation and one of the following categories:

- . Basics
- . Plasticity
- . Neuroimage
- . Virtual rehabilitation
- . Cognitive rehabilitation
- . Assessment
- . Behaviour
- . Motor rehabilitation

The abstracts must be submitted through the symposium website:  
**[www.neurorehabilitationvalencia.es](http://www.neurorehabilitationvalencia.es)**

Acceptance will be based upon the quality of the submissions with relevance to the subject of the symposium. The majority abstracts will be presented as poster. The Scientific Committee will determine whether the abstract will be accepted for poster or oral presentation. Authors of accepted abstracts will be notified from July 27<sup>th</sup>, 2009 onwards.

Abstracts will be converted to PDF format for inclusion in the symposium material and will not be edited or spell checked.

All the abstracts presented will be published in a book with ISBN. Ten abstracts selected by the scientific committee based on its scientific quality will be published as whole papers in the Journal of CyberTherapy & Rehabilitation (JCR).

The Cátedra Fundación Instituto Valenciano de Neurorehabilitation offers 20 fellowships to cover the registration fee for students presenting the 20 top ranked abstracts selected by the scientific committee.

## Organizing committee

### **Mariano Alcañiz**

Full Professor Polytechnic University of Valencia. Director Human Centered Technology Institute. Valencia, Spain.

### **Javier Chirivella**

NISA Hospitals Brain Injury Service Director Cátedra FIVAN. Valencia, Spain.

## Symposium secretariat

### **Cátedra Santiago Grisolia**

#### **Fundación Ciudad de las Artes y las Ciencias – Comunitat Valenciana**

Paseo de la Alameda, 42-B 1º 1ª

46023 Valencia, Spain

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Fax: 0034 96 197 4598

E-mail: [catedrasg@cac.es](mailto:catedrasg@cac.es)

[www.neurorehabilitationvalencia.es](http://www.neurorehabilitationvalencia.es)

## Travel & accommodation

To make your travel arrangements you can put in contact with our travel agency Viajes Iberia. The agency has booked rooms in several hotels within walking distance of the venue. Information can be obtained from:

Tel.: 0034 96 353 61 65

Fax: 0034 96 394 06 06

E-mail: [valencia.hernancortes23@viajesiberia.com](mailto:valencia.hernancortes23@viajesiberia.com)

## Registration fee

Up to July 31<sup>st</sup>: 300 €

After July 31<sup>st</sup>: 400 €

Students: 100 € (Documentation to support the status should be sent)

Registration fee for participants includes scientific sessions, the symposium material, lunch and coffee breaks.

A certificate of attendance will be given to all participants.

Requests for refunds must be made in writing (letter or Email) to the Symposium Secretariat. There will be a 50 € processing fee applied to refunds requested by September 30, 2009. No refunds can be made after this date.

## Payment

Payment of registration fees should be made in Euro by bank transfer:

**Account name:** Fundación Ciudad de las Artes y las Ciencias  
**Bank:** BANCAJA

**Swift code for international bank transfers:**

IBAN: ES48 2077 0737 74 3100345279  
BIC: CVALESVXXX

**Account number for Spanish bank transfers:**

2077 0737 74 3100345279

Once the bank transfer has been made, a copy of the bank transfer must be sent by e-mail: [catedrasg@cac.es](mailto:catedrasg@cac.es) or fax (0034 96 197 45 98) indicating the name of the participant before that the symposium starts.

## Language

The lectures will be given in English with simultaneous translation into Spanish.

## With the support of:

The organizing committee thanks the support of:

- International Neuropsychological Society
- World Federation for Neurorehabilitation
- International Association for CyberTherapy & Rehabilitation
- Sociedad Española de Neurorehabilitación

## With the collaboration of:



## With the sponsorship of:



## Registration form

Name:	Surname:
Student: <input type="checkbox"/> Yes <input type="checkbox"/> No	Topic: _____
Profession:	
Centre:	
Department:	
Full mailing address:	Personal address <input type="checkbox"/> Professional address <input type="checkbox"/>
-----	
Postal code:	City:
State:	Country:
Telephone:	Fax:
E-mail:	
I would like to present a communication: Yes <input type="checkbox"/> No <input type="checkbox"/>	
Preliminary title of the presentation: <input type="checkbox"/>	
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<b>Please send the registration form to the symposium secretariat by mail, fax or e-mail. You can also register online through the website: <a href="http://www.neurorehabilitationvalencia.es">www.neurorehabilitationvalencia.es</a></b>	
<b>*Note: Your registration will be only considered upon receiving the full payment.</b>	

In compliance with Act 34/2002, dated 11<sup>th</sup> July, on services for the Information Society and Electronic Trade and the Organic Act 15/1999, dated 13<sup>th</sup> December on Protection of Personal Data, we hereby inform you that your data will be included and processed in the I.T. File of the Fundación Ciudad de las Artes y las Ciencias with the purpose of being able to send information to you regarding our services, news and activities. At any time the user can exercise the rights of access, correction, cancellation and opposition to the use of personal data by sending an e-mail to [catedrasq@cac.es](mailto:catedrasq@cac.es) or a fax to: 0034 96 197 45 98.