



## SCIENCE & ART: SO DIFFERENT, SO SIMILAR!

A trip around the limits between two equal  
mental structures

4 - 10 July 2010  
Santiago de Compostela



On the Comenius-Grundtvig Training Database with the reference number:  
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<http://ec.europa.eu/education/trainingdatabase/index.cfm?fuseaction=DisplayCourse&cid=21881>

**ORGANISATION:** **IES URBANO LUGRÍS**, Avda. Arteixo 128, 15007 A Coruña, Spain  
in collaboration with  
**MUSEOS CIENTÍFICOS CORUÑESES**

### OBJECTIVES OF THE COURSE

This **Comenius-Grundtvig training course** is an approach to the basic aspects of the **relationships between Art and Science**. Although the course is basically intended for teachers, teacher trainers and similar audience, a limited number of places will be available for people, who could not apply for a grant, but who are interested in the subject.

Step by step the various ways in which Science may become Art, and how and when Art could be considered Science, will be analyzed. The aim is for the teachers to get some hints, which they can use in their Art and Science lessons, in order to convey to their students the idea that both Science and Art are, in a deep sense, a similar thing and that they are closely related. Apart from that, participants will be confronted with artistic expressions coming from different cultures. For the non-teaching audience the course might just be a trip between two fascinating fields, which seem to be so different, but might be of similar origin. The course will comprise:

- Lectures about different Art forms and their relationship with Science
- Discussions about Science and Art
- Two Art exhibitions
- Visits to places of cultural interest in Santiago, A Coruña and Lugo and to the *Aquarium Finisterrae* in A Coruña
- Information on how to come up with an own Comenius-Grundtvig project
- Implementation of a new international association on Science & Art relations.

### LOCATION

The course is going to take place in Santiago de Compostela, Galicia, an UNESCO Heritage Site since 1984 and European Capital of Culture in 2000. During the course two other Galician cities will be visited, which are also UNESCO Heritage Sites: La Coruña, Hercules Tower, and Lugo, Old Roman Wall. The famous Pilgrim's Way to Santiago has been a pilgrimage route since the Middle Ages. Moreover, 2010 is Año Santo Jacobeo, Holy Year of St. James, in Santiago, since the Apostle's Day, 25th July, coincides with a Sunday and the Church grants special grace to the faithful. For more information see e.g.:

[http://en.wikipedia.org/wiki/Way\\_of\\_St.\\_James](http://en.wikipedia.org/wiki/Way_of_St._James)

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

## COURSE PROGRAMME

SUNDAY, 4 July	Arrival and welcome
MONDAY, 5 July	Introduction. <b>J. Facal:</b> <i>The rays which never existed</i> <b>M. Cimadevila:</b> <i>Ciencia ex aequo</i> , exhibition painting <b>A. Labraña:</b> <i>The average which arose from the wall</i> Official visit to <b>Santiago City</b> .
TUESDAY, 6 July	<b>V. Blanco:</b> <i>From Pythagoras to Galilei: Numbers, music &amp; feelings</i> <b>W. Trettnak:</b> <i>Fishes, bionics, electronics &amp; art</i> and <i>Peces electrónicos</i> , exhibition painting Aquarium Finisterrae, A Coruña Visit to the <b>Hercules Tower</b> (UNESCO Heritage) in <b>A Coruña</b> .
WEDNESDAY, 7 July	<b>M. Streit-Bianchi:</b> <i>From describing to reinventing reality, a never ending fascinating story</i>
THURSDAY, 8 July	<b>P. Gerdes:</b> <i>Lunda-designs where art meets culture and mathematics</i> <b>P. O'Leary:</b> <i>The beauty of mathematical image transformations</i> <b>P. Manzelli:</b> <i>The new wave of creativity in Science &amp; Art</i> Visit to the <b>Old Roman Wall of Lugo</b> (UNESCO heritage)
FRIDAY, 9 July	<b>S. Mataix:</b> <i>Literary fiction and science</i>
SATURDAY, 10 July	Evaluation session. Certificate award. Departures

## SPEAKERS

<b>Víctor Blanco:</b>	Spain; classic philology, latin & greek, half music degree, plays classic renaissance and baroque guitars, vihuela and gothic harp
<b>Margarita Cimadevila:</b>	Spain; chemist, headmaster of High School IES Urbano LUGRÍS, artist <a href="http://www.cimadevila.tk">www.cimadevila.tk</a>
<b>José Facal:</b>	Spain; chemist, high school teacher
<b>Paulus Gerdes:</b>	Mozambique; mathematician, cultural anthropologist & artist, director of the Centre for Mozambican Studies and Ethnoscience, Pedag. Univ. Maputo, Vicepres., African Academy of Science, <a href="http://stores.lulu.com/pgerdes">http://stores.lulu.com/pgerdes</a> .
<b>Antón Labraña:</b>	Spain; Santiago University, mathematician, mathematics magazine writer.
<b>Paolo Manzelli:</b>	Italy; Univ. of Florence, Prize AGAPE science magazine writer 2009 <a href="http://www.edscuola.it/lre.html">www.edscuola.it/lre.html</a> .
<b>Susana Mataix:</b>	Spain; mathematician and science magazine writer.
<b>Paul O'Leary:</b>	Austria; Chair of Institute for Automation at the University of Leoben.
<b>Marilena Streit Bianchi:</b>	Switzerland; CERN, biologist, art promoter, <a href="http://www.nairucu-arts.org">www.nairucu-arts.org</a> .
<b>Wolfgang Trettnak:</b>	Austria; artist and chemist, <a href="http://www.trettnak.com">www.trettnak.com</a> .

## ACOMODATION

The prices include the course, accommodation, full board and visits

Hotel **GRAN HOTEL SANTIAGO (\*\*\*\*)**

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## CONTACT

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