

# JOINT DELOS-MUSCLE SUMMER SCHOOL



**Multimedia Understanding  
through Semantics,  
Computation and Learning**

## **Multimedia Digital Libraries**

***Machine learning and cross-modal technologies for access and retrieval***

### **Presentation**

About one hundred European universities and research centres have been involved in the last few years in projects funded by EU addressing multimedia data analysis, computer vision and object recognition, multimedia management in large audio and video collections. Presently, two Network of Excellence of the sixth EU Framework Program, namely DELOS and MUSCLE, are addressing these subjects: the former, working in new generations of digital libraries, has a specific work package devoted to audio, video and non traditional objects digital libraries; the latter has many work packages oriented to exploiting machine learning for multimedia data retrieval and for cross-media analysis.

The Summer School on “*Multimedia Digital Libraries, Machine learning and cross-modal technologies for access and retrieval*” has been jointly organized by those two Networks, and will be held in San Vincenzo, Italy (about 50 Km South of Pisa), from 12 to 17 June 2006.

The aim of the school is to promote advanced experiences and implementations and, more in general, to improve knowledge in these fields. The school will be open to researchers and practitioners who are interested in audio-visual and multimedia digital libraries and in advanced solutions and technologies for their implementation. It will also contribute to establish a common vision of the future ICT technologies for digital libraries, and ultimately will represent a significant opportunity to exchange experiences, to share common problems and to start new joint activities. No specific prerequisites are required, but it is recommended that participants have experience in using information management systems dealing with multimedia data.

Technologies for multimedia digital libraries span over many disciplines: information systems, knowledge representation, computer vision, audio and image processing, compression and storage, machine learning and information retrieval, multimedia data mining, cross-media analysis, user interfaces and interoperability. On these topics, the School program has planned highly qualified lectures given by international researchers, addressing theoretical approaches and practical solutions.

## School Programme

This one-week intensive school will consist of eight half-day lectures and one half-day dedicated to BOF (Birds of a Feather) sessions, i.e., discussions in smaller groups on specific topics of common interest, with the participation of the lecturers. The morning half-day lectures will begin at 9:00 and end at 12:00, with a coffee break during the morning. The afternoon lectures will begin at 15:30 and end at 18:30, with a coffee break in the afternoon. The programme of the School is shown below.

## Programme

### Monday, 12 June 2006

08:30 - 9:00	Presentation of the School Alberto Del Bimbo (University of Firenze, Florence, Italy) Nohza Boujemaa (INRIA, Rocquencourt, France)
09:00 - 12:00	<b><i>Introduction to multimedia Digital Libraries</i></b> James Wang (Pennsylvania State University, University Park, USA)
12:00 - 15:30	Lunch
15:30 - 18:30	<b><i>Multimedia representation standards</i></b> Fernando Pereira (Instituto Superior Tècnico, Lisboa, Portugal)
EVENING	<i>Poster/demo session</i> Posters and demos from participants

### Tuesday, 13 June 2006

09:00 - 12:00	<b><i>Feature extraction and content description I</i></b> Nicu Sebe (University of Amsterdam, Amsterdam, The Netherlands)
12:00 - 15:30	Lunch
15:30 - 18:30	<b><i>Feature extraction and content description II</i></b> Milind Naphade (IBM T J Watson Research Center, Yorktown, USA)
EVENING	Social Dinner

### Wednesday, 14 June 2006

09:00 - 12:00	<b><i>Cross-modal analysis</i></b> Alex Hauptmann (Carnegie Mellon University, Pittsburgh, USA)
12:00 - 15:30	Lunch
15:30 - 18:30	Birds of a Feather (BOF) Sessions

### Thursday, 15 June 2006

09:00 - 12:00	<b><i>Machine learning for access and retrieval I</i></b> Padraig Cunningham (Trinity College, Dublin, Ireland)
12:00 - 15:30	Lunch
15:30 - 18:30	<b><i>Machine learning for access and retrieval II</i></b> Jia Li (Pennsylvania State University, University Park, USA)

### Friday, 16 June 2006

09:00 - 12:00	<b><i>Evaluation and benchmarking</i></b> Alan Smeaton (Dublin University, Dublin, Ireland)
12:00 - 15:30	Lunch
15:30 - 18:30	<i>Final examination ((voluntary))</i>

**School Chairs**

*Nozha Boujema* - INRIA Roquencourt, France  
*Rita Cucchiara* – University of Modena e Reggio Emilia, Italy  
*Alberto Del Bimbo* – University of Florence, Italy  
*Eric Pauwels* - CWI Amsterdam, The Netherlands

**Local Organizers**

*Marco Bertini* - University of Florence, Italy (bertini@dsi.unifi.it)  
*Diego Mencarelli* - University of Florence, Italy (mencarelli@micc.unifi.it)  
*Walter Nunziati* - University of Florence, Italy (mencarelli@micc.unifi.it)  
*Costantino Grana* - University of Modena, Italy (grana.costantino@unimo.it)

**School Secretariat**

*Francesca Borri* - ISTI – CNR, Pisa, Italy, (francesca.borri@isti.cnr.it)

**Website Management:**

INRIA Roquencourt, France

**Sponsors**

DELOS NoE  
 MUSCLE Noe  
 GIRPR (Italian Chapter of International Association for Pattern Recognition)  
 Fondazione per il Rinascimento Digitale, Italy  
 Comune di S. Vincenzo, Italy

**Location and dates**

San Vincenzo, Italy, 12-17 June 2006

**Venue**

San Vincenzo Harbour Tower

**Registration**

For university students, PhD students and young researchers supported only by a research grant, the registration fee is waived (covered by DELOS) and attendance to the school is free. A letter of recommendation from the University or the research organization is required. The number of free places is limited and will be granted under a first come, first served policy.

For other attendants the registration fees are as follows:

Early registration (before 20 May 2006) 400€  
 Regular registration (after 20 May 2006) 500€

The course fee includes: <ul style="list-style-type: none"> <li>• lectures</li> <li>• lunches and coffee breaks</li> <li>• social dinner</li> </ul>	The course fee does not include: <ul style="list-style-type: none"> <li>• accommodation</li> <li>• transport</li> <li>• dinners (except for the social dinner)</li> </ul>
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To register please send all the requested registration information (see below) to Francesca Borri by email (francesca.borri@isti.cnr.it) or by fax (+39-050-315-3464 or +39-050-315-

2810). Please specify if you qualify for the waiving of the registration fee, and in that case attach a recommendation letter. Within a week from the receipt of the application the registration will be confirmed (or rejected if no more places are available). The deadline for receipt of registration requests is June 2nd, 2006.

### **Registration information**

<ul style="list-style-type: none"><li>• First Name(s)</li><li>• Last Name</li><li>• Email</li><li>• Institution</li><li>• Department</li></ul>	<ul style="list-style-type: none"><li>• Mailing Address</li><li>• Postcode</li><li>• Country</li><li>• Telephone</li><li>• Fax</li></ul>
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### **Registration Payment**

Your registration will not become final until we receive payment. Cancellations received before May 5th, 2006 will be completely refunded. Cancellations received after May 5th, 2006 but before June 2nd, 2006 will incur a charge of 25% to cover administration costs. Refunds for cancellations after June 2nd, 2006 cannot normally be made. Substitutions of participants may be made at any time up to the start of the School. Payment can be made by credit card, bank transfer or money order, banker's draft or international cheque.

#### ***Credit Card***

Payment by credit card can be done by printing and filling-in the attached form, and sending it via fax to Francesca Borri (+39 050 315 3464). Please note that we can accept only VISA and Mastercard credit cards for payment of the registration fee. The credit card form can also be downloaded from the DELOS web site ([www.delos.info](http://www.delos.info)).

#### ***Bank Transfer***

Payment by bank transfer can be done with the following information.

- **Bank:** Banco Popolare di Verona e Novara, Filiale di Pisa 1, Via San Francesco 54, 56127 Pisa, Italy
- **International bank code (IBAN):** IT 26 D 05188 14002 000000013761
- **Account holder:** Ettore Ricciardi – C.O.C.E.S. Treasurer
- **Reference:** Make sure to specify the name of the person who is being registered for the Summer School as well the name of the school: "Audio Visual 2006".

For your convenience, please find attached a form that can be printed, filled-in and brought to your bank. The bank transfer form can also be downloaded from the DELOS web site ([www.delos.info](http://www.delos.info)).

#### ***Money Order***

The money order, banker's draft or international cheque should be made payable to "Ettore Ricciardi - Treasurer" and sent, along with a copy of your registration information, to the following address:

Francesca Borri  
ISTI-CNR  
Via Moruzzi, 1  
56124 Pisa, Italy  
Tel: +39 050 315 3470  
Fax: +39 050 315 3464  
E-mail: [francesca.borri@isti.cnr.it](mailto:francesca.borri@isti.cnr.it)

### **Accommodation**

A number of hotels with a broad range of prices are within walking distance from the school. We regret that we are not able to provide support for hotel reservations. Information about accommodations in San Vincenzo can be found at:

<http://www.turismosanvincenzo.it/>

### **About the location**



### **San Vincenzo**

a coastal town on the shores of the Tyrrhenian Sea, is one of the best-equipped tourist centres of the Etruscan Coast. It has an excellent harbour, with more than three hundred boat spaces. Its beach of fine white sand runs for ten kilometres, surrounded by thick Mediterranean woods that reach directly to the sea. For over 90 uninterrupted kilometres, clear water shading from emerald green to deepest blue washes the coast, the water quality and services provided by the coastal resorts have been awarded the European Union's Blue Flag.

### **School venue:**

The Palace of culture and the Communal Library, with a recently restored wide conference room, host meetings, expositions and cultural events all year round. The school will be located in the Tower, built in 1406 A.D. from the Republic of Pisa as a coastal Tower.

### **How to reach San Vincenzo**

It can be easily reached from Pisa and Florence by car (Rosignano exit of A12 motorway, hence following the Aurelia highway) and by train (San Vincenzo train station on the Italian Railroad line Modane - Turin - Genova - Pisa – Rome). The "Galileo Galilei" International Airport of Pisa is only 50 kilometers away.

### **In the neighbourhood**

Very close to S. Vincenzo are the promontory of Populonia and the splendid gulf of Baratti, surrounded by an important archaeological area dated from the Etruscan age. San Vincenzo is only a few kilometres away from old villages and medieval towns such as Suvereto, Sassetta, Campiglia Marittima, Bolgheri, Catagneto Carducci, Volterra, San Gimignano and Siena. Pisa and Florence are also just around the corner. San Vincenzo is also a few minutes away from the island of Elba and is in front of the island of Capraia. From the harbour depart tours on sea routes of very interesting landscapes (<http://www.costadeglietruschi.it/>).



**DELOS Summer School on  
Multimedia Digital Libraries**

**Comitato Organizzazione Conferenze  
Eventi Scientifici**  
c/o Istituto I.S.T.I.  
Area della Ricerca del CNR  
Via G. Moruzzi, 1 - 56124 Pisa, Italy  
**C.F.: 93058560504**



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**Payment by credit card (please print clearly)**  
**Pleas note that only Visa or Master Card can be accepted**

**Please complete this form, print it, sign it and fax it to Ettore Ricciardi at  
+39 050 3153464  
(for queries contact isdl06-multimedia@isti.cnr.it)**

**Registration data**

First name \_\_\_\_\_  
Last Name \_\_\_\_\_  
Affiliation \_\_\_\_\_  
Country \_\_\_\_\_  
email \_\_\_\_\_

**Payment data**

Type of card      VISA       Master Card   
Cardholder \_\_\_\_\_  
Card number \_\_\_\_\_  
Expiration date \_\_\_\_\_  
Total amount \_\_\_\_\_  
Date \_\_\_\_\_  
Signature \_\_\_\_\_



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**Payment by bank transfer**

**Please print this form and take it to your bank to effect the payment.**  
(for queries contact [isd106-multimedia@isti.cnr.it](mailto:isd106-multimedia@isti.cnr.it))

**Registration data**

First name \_\_\_\_\_  
Last Name \_\_\_\_\_  
Affiliation \_\_\_\_\_  
Country \_\_\_\_\_  
email \_\_\_\_\_  
Total amount \_\_\_\_\_ EUR

**Bank transfer data**

Bank: Banco Popolare di Verona e Novara, Filiale di Pisa 1  
Via San Francesco 54, 56127 PISA

IBAN code IT 26 D 05188 14002 000000013761

SWIFT code VRBPIT2V676

Account holder: Ettore Ricciardi - Treasurer

Reference: Make sure to specify the name of the event:  
ISDL06 – Multimedia  
as well as the name of the person being registered