

**4th International Symposium on Sediment Management (I2SM)**  
on **September 17-18-19, 2014**, during the REMTECH Expo.

Organized by:

**Ferrara Fiere Congressi**

With the scientific support of:

**Politecnico di Milano – Dept. of Civil and Environ. Engineering**  
**Ecole des Mines de Douai.**





# Previous I2SM conferences



- 1st International Symposium on Sediment Management.  
July 9-11, 2008. **Lille (France).**
- 2nd International Symposium on Sediment Management.  
May 11-13, 2010. **Casablanca (Morocco).**
- 3rd International Conference on Sediment Management: Focus  
on Analytical Methodologies and its Implication in Environment.  
March 20-22, 2012. **Alibaug, Maharashtra (India).**

- **Characterization and monitoring;**
- **Sediment management and decision-analysis tools;**
- **Dredging operation;**
- **Mechanical treatments, dehydration, etc.;**
- **Sediment and contaminant fate and transport;**
- **Ecological impact assessment and risk;**
- **Natural attenuation, capping and storage of sediments;**
- **Emerging pollutants in sediments;**
- **Remediation of contaminated sediments;**
- **Beneficial reuse of sediments (civil engineering, environmental restoration, products manufacturing, etc.);**
- **Policy and sediment quality guidelines.**

## VENUE

A **treasure chest of art and history**, Ferrara is surrounded by the green of the plains and it is characterized by a **timeless atmosphere** that has long attracted visitors and still fascinates today. It is an extremely evocative city, whose **intact historical center** has been declared **UNESCO World Heritage** site as a remarkable example of **Renaissance urban planning**.

## HOW TO GET HERE

**By plane:** Guglielmo Marconi airport of Bologna is 45 km far from the Fair Centre. If you land at Marconi, you can enjoy the new shuttle service "Ferrara Bus&Fly" and arrive in Ferrara in just 60 minutes. The service provides 8 daily transfers to and from the airport. Timetable and bus stops information at the railway station Information Office.

[www.bologna-airport.it/uk/?LN=UK](http://www.bologna-airport.it/uk/?LN=UK)  
[www.ferrarabusandfly.it](http://www.ferrarabusandfly.it)

**By car:** from A13 motorway, Ferrara Sud exit leads directly into SS Ferrara-Mare national road. After 200 meters, get off and follow Ferrara Centro signs. At the end of the ramp exiting the clearway, turn left and head towards the town centre for approximately 1 km. At the first roundabout, turn left and follow the "Fiera" signs.

**By train:** Ferrara is at the junction of several railways lines. Connections are frequent and the station is just 5 km far from the Fair Centre. To reserve your train ticket, please connect to: [www.trenitalia.com](http://www.trenitalia.com)

### Shuttle free service

It is available from the railway station to the Exhibition Center. You can get timetable and bus stops information at the railway station Information Office and on the website [i2sm.remtechexpo.com](http://i2sm.remtechexpo.com).

## HOSPITALITY

For information about hospitality, hotel special fares granted for the Conference and room bookings, please contact: [www.ferrarafiere.it](http://www.ferrarafiere.it).

## LOCAL ORGANIZING COMMITTEE

**Ferrara Fiere Congressi:** Silvia Paparella, Luciano Borghetto, Simona Campana, Daniela Modonesi  
**Politecnico di Milano:** Sabrina Saponaro, Luca Bonomo, Elena Sezenna, Alessandro Careghini  
**Veritas SpA:** Paola Cossettini  
**École des Mines de Douai:** Rachid Zentar, Mahfoud Benzerzour

## SCIENTIFIC COMMITTEE

(Preliminary list)

**France:** Abriak Nor-Edine (President), Damidot Denis, Zentar Rachid, Benzerzour Mahfoud, Lafhaj Zoubair  
**Italy:** Aminti Pier Luigi, Andreottola Gianni, Boni Maria Rosaria, Bonomo Luca, Bortone Giuseppe, Gabellini Massimo, Saponaro Sabrina, Tundo Pietro  
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**Spain:** Barcelò Damià  
**The Netherlands:** Brils Jos  
**Tunisia:** Bouassida Mounir  
**UK:** Werner David  
**USA:** Hayes Donald, Stern Eric



For further information:  
[i2sm.remtechexpo.com](http://i2sm.remtechexpo.com)

Organized by:



International Symposium  
on Sediment Management

4<sup>th</sup> Edition

Ferrara Exhibition Centre  
September 17-19, 2014  
9.00 a.m. to 6.30 p.m.  
[i2sm.remtechexpo.com](http://i2sm.remtechexpo.com)

## INTRODUCTION

The **management of sediments** is a **significant issue** in all the industrialized countries. **Millions of cubic meters** are dredged every year just for the **maintenance of canals and harbors**. Moreover, for many decades, **waterways** have been exposed to a **wide variety of contaminants**, still present in bottom sediments. In many cases dredged materials are perceived as a waste that has to be managed properly and disposed off. On the other hand, the beneficial reuse of sediments can optimize the management of natural resources in many engineering fields. **The valorization of dredged materials as a resource represents an important technical and economical interest.**

The next International Symposium on Sediment Management (I2SM) will be held in 2014 in Ferrara, during the **Rem-Tech Expo**. It is being organized by **Ferrara Fiere Congressi**, with the scientific coordination of **Politecnico di Milano** - Department of Civil and Environmental Engineering - Environmental Section and the **École des Mines de Douai**.

The **aim** of I2SM is to get together academics, professional figures and public agencies involved in sediment issues to review recent advances on sediment management research and engineering aspects.

The previous editions were held in Lille (France, 2008), in Casablanca (Morocco, 2010) and Alibaug (India, 2012).

The international event will consist of a **starting plenary session** followed by **parallel sessions**.

The **official language** of I2SM 2014 is **English**. Simultaneous translation (English to Italian) will be available for some sessions.

**Papers** of the accepted contributions will be published in the conference proceedings (electronic format).

## TOPICS OF THE CONFERENCE

The **major themes** covered in the I2SM 2014 Symposium are:

- Emerging pollutants in sediments
- Characterization and monitoring
- Sediment and contaminant fate and transport
- Ecological impact assessment and Risk
- Sediment management and Decision-analysis tools
- Natural attenuation, capping and storage of sediments
- Dredging operation
- Mechanical treatments, dehydration, etc.
- Remediation of contaminated sediments
- Beneficial reuse of sediments (civil engineering, environmental restoration, products manufacturing, etc.)
- Policy and sediment quality guidelines.

## IMPORTANT DATES

**November 30, 2013**

Deadline for submission of abstracts

**February 28, 2014**

Notification of acceptance of abstracts

**April 30, 2014**

Deadline for submission of papers

**May 15, 2014**

Deadline for early registration

**May 30, 2014**

Deadline by which presenting authors must register in order to have their paper included in the program.

## REGISTRATION

All participants and accompanying persons must register for the Conference. The deadline for **early registration** is **May 15, 2014**. After this date, higher registration fee categories will apply.

The **deadline** by which presenting authors must register in order to have their **paper included in the program** is **May 30, 2014**.

## CONFERENCE FEE

**Regular fee:** 500,00 euro

**Early bird fee** (registration by March 31, 2014): 430,00 euro

**Students and Ph.D. students:** 100,00 euro

The fee includes admission to the whole conference program, coffee breaks and lunches.

Information about the registration (form, payment, etc.) will be provided in the Preliminary Conference Program.

## CONTACT

For **general information** about the Symposium and registration, please contact:

[i2sm@remtechexpo.com](mailto:i2sm@remtechexpo.com)

For enquiries about the **scientific program, abstract and paper submission**, please contact:

[i2smscientific@remtechexpo.com](mailto:i2smscientific@remtechexpo.com)



**For further information:**  
[i2sm.remtechexpo.com](http://i2sm.remtechexpo.com)



# Conference website



Ferrara, 17<sup>th</sup>-18<sup>th</sup>-19<sup>th</sup> September 2014

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## HOME

The 4<sup>th</sup> International Symposium on Sediment Management (I2SM) will be held in Ferrara, Italy, on September 17-18-19, 2014, during the RemTech Expo.

It is being organized by Ferrara Fiere Congressi, Politecnico di Milano - Department of Civil and Environmental Engineering - Environmental Section and the École des Mines de Douai.

The aim of I2SM is to get together academics, professional figures and public agencies involved in sediment issues to discuss the state-of-the-art. The previous editions were held in Lille (France, 2008), in Casablanca (Morocco, 2010) and Aibaug (India, 2012).

The event will consist of a starting plenary session followed by parallel sessions.

The official language of I2SM 2014 is English. Simultaneous translation (English to Italian) will be available for some sessions.

Click [here](#) to download the flyer!

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## WELCOME TO FERRARA!

A treasure chest of art and history, Ferrara is surrounded by the green of the plains and it is characterized by a timeless atmosphere that has long attracted visitors and still fascinates today. It is an extremely evocative city, whose intact historical centre has been declared UNESCO World Heritage site as a remarkable example of Renaissance urban planning.

It is with great pleasure that we invite you to Ferrara! We are confident that you will have a truly memorable and rewarding stay.

Info: <http://www.emiliaromagnaturismo.com/en/publications/downloads/miscellaneous/ferrara/ferrara-guide-2012.pdf/>



<http://i2sm.remtechexpo.com/>