

# 15<sup>th</sup> International Symposium on River Sedimentation

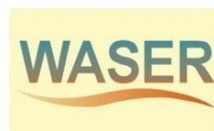


5 – 8 September 2023  
FLORENCE, ITALY

Organized by the University of  
Florence, Department of Civil and  
Environmental Engineering



UNIVERSITÀ  
DEGLI STUDI  
FIRENZE  
**DICEA**  
DIPARTIMENTO  
DI INGEGNERIA CIVILE  
E AMBIENTALE



## About the 15<sup>th</sup> ISRS Symposium

The 15th International Symposium on River Sedimentation, ISRS 2023, will take place from September 5<sup>th</sup> to September 8<sup>th</sup>, 2023 in Florence, Italy.

The theme of the 2023 international conference is '*Sustainable Sediment Management in a Changing Environment*'.

The Symposium will be organized around oral and poster sessions from September 6<sup>th</sup> to 8<sup>th</sup>. In the afternoon of September 7<sup>th</sup>, a technical visit will be organized.

Three keynote lectures will be delivered

WASER council is planned on the afternoon of September 5<sup>th</sup>.

The website of the Symposium is: <https://www.isrs2022.it>

## Why Florence to host the 15<sup>th</sup> ISRS

Florence, Italy, is recognized as one of the world's great treasures in art, culture and Renaissance history. It is a UNESCO heritage site and an internationally visited tourist attraction. Florence is crossed by the Arno River. In its history, [Florence was hit by several disastrous floods \(https://fupress.com/catalogo/saving-a-world-treasure-protecting-florence-from-flooding/3517\)](https://fupress.com/catalogo/saving-a-world-treasure-protecting-florence-from-flooding/3517); the most recent 1966 flood caused 38 deaths and severe damage to many of its most precious art works and threatened the economic and social viability of the city and its residents. On the occasion of the 50<sup>th</sup> anniversary of this tragic flood, the Arno River has been made the object of thorough monitoring activities and engineering evaluations about the interactions between the river structures with flow hydraulics and bed sediment dynamics. The Arno River and its basin thus provides an excellent demonstration on typical sediment-related problems and sediment management methods in Italy.

The [University of Florence \(http://www.unifi.it/\)](http://www.unifi.it/) with the Departments of [Civil and Environmental Engineering \(http://www.dicea.unifi.it/\)](http://www.dicea.unifi.it/) and of [Earth Sciences \(http://www.dst.unifi.it/\)](http://www.dst.unifi.it/) is a very active teaching and research institution with its faculty members strongly involved in river and coastal hydraulics, sedimentation research and geo-hydrological hazards. In 2016, a UNESCO Chair on '[Prevention and sustainable management of geohydrological hazards \(https://www.unesco-geohazards.unifi.it/\)](https://www.unesco-geohazards.unifi.it/)' was established. The mission of the Chair is to promote research and development for the prevention and management of geo-hydrological hazards (such as floods, debris flows, river and coastal erosion and other hazards related to climate changes), in order to support policies and actions of risk reduction.

## Main theme and topics

The main theme of the 15<sup>th</sup> ISRS is '*Sustainable Sediment Management in a Changing Environment*'. The conference will be organized with parallel sessions that include these topics:

1. Sediment and pollutant transport;
2. Morphodynamics;
3. Ecohydraulics;
4. Sediment related disaster and climate change;
5. Reservoir sedimentation, interactions between sediment and hydraulic structures;
6. Sustainable sediment management at the river- coastal basin scale;
7. Social, economic & political issues related to sediment and water management.

## Key dates

- 1<sup>st</sup> November 2022: Abstract submission opens
- 28<sup>th</sup> February 2023: Abstract submission closes
- 15<sup>th</sup> April 2023: Abstract authors notification
  
- Until 31<sup>st</sup> May 2023: Early bird registration
- From 31<sup>st</sup> May to 5<sup>th</sup> September 2023: Late and on-site registration
  
- 5<sup>th</sup> September 2023: Registration and WASER council
- 5<sup>th</sup> - 8<sup>th</sup> September 2023: Conference

## Abstract submission

The abstract template can be downloaded from the symposium website; the format is a two-page abstract.

The Scientific Committee will evaluate received submissions, and if accepted for oral or poster presentation, they will be published in the Book of Extended Abstracts.

It is also planned to produce Special Issues with conference contributions in SI-Journals (details will be available later).

## Registration fees

The conference will be held in person. Both for students and researchers, WASER and IAHR membership provides lower registration fees.

The following table shows early bird registration fees and late and on-site registration fees for each category of participants; the indicated amounts are in euros and include VAT.

	<i>Early bird (before May 31, 2023) [€]</i>	<i>Late and On site (after May 31, 2023) [€]</i>
IAHR/WASER Member	600	750
Non-IAHR/WASER Member	650	800
Student (IAHR/WASER Member)	400	550
Student (Non - IAHR/WASER Member)	450	600

## Tentative Conference schedule

### Tuesday 5<sup>th</sup>

15:00	Registration
15:00- 18:00	WASER council meeting
18:30- 20:00	Ice break party

### Wednesday 6<sup>th</sup>

9:00-9:30	Opening ceremony
9:30-11:00	Key note
11:00-11:30	coffee break
11:30-13:00	Parallel Sessions
13:00-14:30	Lunch
14:30-16:00	Parallel Sessions
16:00-16:30	coffee break
16:30-18:00	Parallel Sessions

### Thursday 7<sup>th</sup>

9:00-10:30	Key note
10:30-11:00	coffee break
11:00-13:00	Parallel Sessions
13:00-14:30	Lunch
14:30-18:00	Technical visit

### Friday 8<sup>th</sup>

9:00-10:30	Key note
10:30-11:00	coffee break
11:00-13:00	Parallel Sessions
13:00-14:30	Lunch
14:30-16:00	Parallel Sessions
16:00-16:30	coffee break
16:30-18:00	Parallel Sessions
18:00-18:30	Closing ceremony

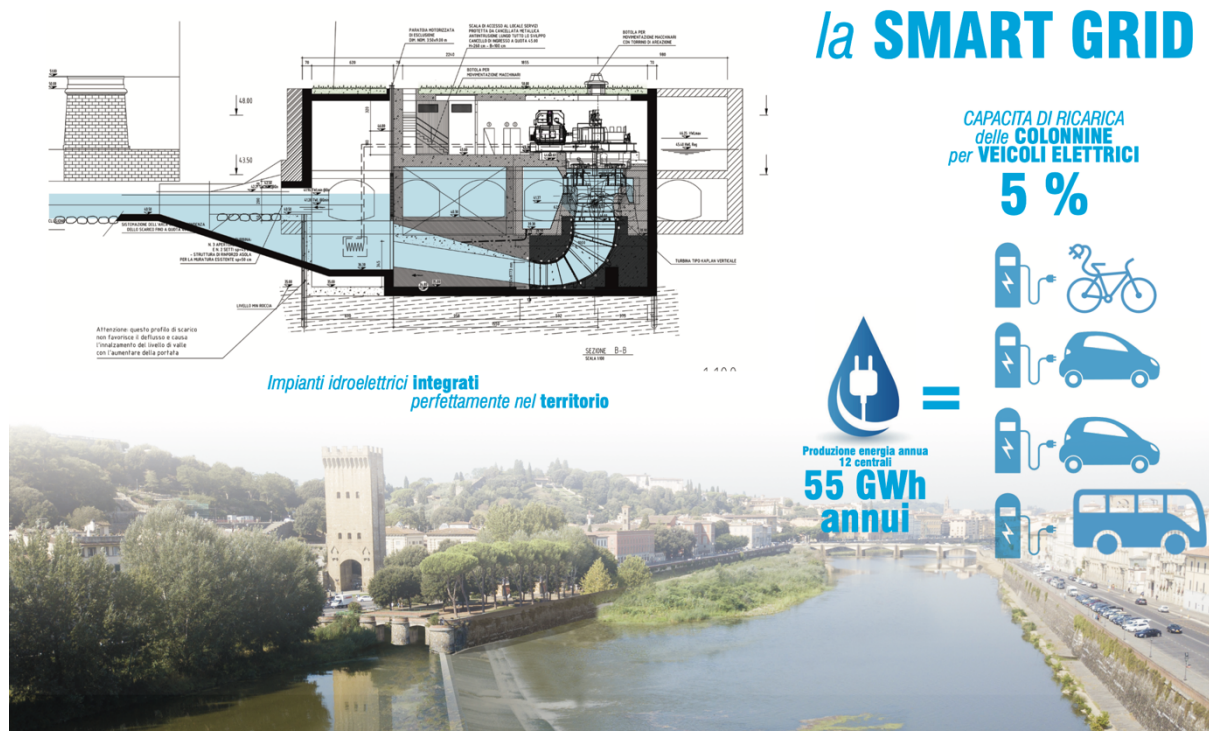
## Keynote speakers

- Prof. Marcelo H. Garcia, University of Illinois at Urbana-Champaign, Department of Civil and Environmental Engineering (*confirmed*)
- Prof. Alain Recking, University Grenoble Alpes, INRAE, ETNA, Grenoble, France (*confirmed*)
- Prof. Junke Guo, University of Nebraska-Lincoln, Department of Civil and Environmental Engineering (*to be invited*)

Title and abstract of keynote lectures will be soon added on the ISRS website, as well as keynote speakers' short presentation.

## Technical visit

Visit to the construction site of a hydroelectric power plant along the Arno River in Florence on the historical weir of San Niccolò. The San Niccolò weir furnished water for water supply to the population and water to the mills used for various manufacturing activities. In 1875, the structure of S. Niccolò weir was reinforced and two stone tunnels crossing the Arno were constructed upstream of the weir. Inside one of them a large pipe for the new aqueduct was laid down. The second tunnel was intended to be used as a filtering tunnel for the water of the Arno. However, the tunnels were eventually used by residents as a means of crossing the river. Notably during the second world war, partisans were able to transfer food and munitions across the Arno River. In 1959, when the '*Fabbrica dell'acqua*' was demolished, the tunnel was also abandoned. With no maintenance, the tunnel deteriorated rapidly and is now inundated.



## Local Organizing Committee

*Luca Solari*, Chair, Dept. of Civil and Environmental Engineering, University of Florence

*Stefano Lanzoni*, Co-chair, Dept. of Civil, Environmental and Architectural Engineering, University of Padova

*Giampaolo Di Silvio*, Dept. of Civil, Environmental and Architectural Engineering, University of Padova

*Enio Paris*, Dept. of Civil and Environmental Engineering, University of Florence

*Massimo Rinaldi*, Dept. of Earth Sciences, University of Florence

*Simona Francalanci*, Dept. of Civil and Environmental Engineering, University of Florence

*Giovanni Gigli*, Dept. of Earth Sciences, University of Florence

*Veronica Tofani*, Dept. of Earth Sciences, University of Florence



*Costanza Carbonari*, Dept. of Civil and Environmental Engineering, University of Florence

*Lorenzo Innocenti*, Dept. of Civil and Environmental Engineering, University of Florence

*Lorenzo Lotti*, Dept. of Civil and Environmental Engineering, University of Florence

## Conference Venue

**Globo** (<http://www.fhhotelgroup.it/en/globo-centro-congressi/index>) is the congress venue within the Grand Hotel Mediterraneo in the centre of Florence which includes **15 meeting rooms**, most with natural light, in recently refurbished spaces and equipped with state-of-the-art technology, perfect for congresses and conferences. At your disposal is the efficient Optical Fiber Wi-Fi network with speeds of up to 100 Mbps. The fast Wi-Fi allows up to 500 total users and 300 simultaneous users to connect at once.

**The facilities available in each conference room include:**

- video projector and screen
- audio system
- microphones
- flipcharts

Congressional offer will be completed with personalised catering services with dishes created by the **chef Andrea Ragoni**, accompany participants throughout the day, from the coffee break to the working lunches. In the hotel, there are **327 guest rooms** and **60 parking spaces**.



## Contacts

### *Scientific Secretariat*

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### *Organizing Secretariat*



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