

Technical Visit

On Wednesday, September 21, 2016 participants of the ISRS 2016 will have the opportunity to choose from two different one-day technical tours and two different leisure tours.

One technical tour will take you to the Iffezheim barrage, a hydropower station with one of the largest fish passages in Europe. The Iffezheim/Rhine hydropower plant features five large Kaplan bulb turbines and a rotor turbine with a total capacity of 148 MW. At this barrage, approx. 160.000 m³/a of sediments are introduced to the river by barges.

The destination of the second tour is the Schluchseewerk AG with its five pumped storage power stations on the High Rhine in the southern Black Forest. With a total capacity of 1,836 MW the five pumped storage power stations generate more than 1.2 billion kWh of electricity every year. The regenerative electricity share from natural intakes amounts to an annual average of 350 million kWh.

The leisure tours will include a guided tour of the city of Stuttgart or a "Stocherkahn" ride along the channels of the city of Esslingen. Both tours will be combined with a visit of the institute's hydraulic laboratory.

Registration Fee

	Early Bird	Standard
Regular *	600	650
IAHR/WASER member *	550	600
Student (non member) **	300	350
Student (member) **	250	300
Accompanying person***	150	150

All rates are in EURO [€], taxes are included.

*The full registration fee covers attendance at all scientific sessions, icebreaker and symposium banquet as well as symposium kit, refreshments, lunches and technical/leisure tour.

**The student registration fee covers attendance at all scientific sessions, icebreaker and symposium banquet as well as symposium kit, lunches, refreshments and a guided tour of the institute's hydraulic laboratory.

***The accompanying person registration fee covers name badge, icebreaker and symposium banquet.

Symposium Venue

The symposium will take place on the Vaihingen campus of the University of Stuttgart.



Contact

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Exhibition and Sponsorship

A technical exhibition is planned during the symposium for continuous display of products, software, instruments, publications and company presentations. This exhibition will be organized in the main hall, adjacent to the symposium rooms, where the coffee breaks will take place.

Your sponsorship is an easy and affordable way to promote your company to a targeted professional audience. Please contact us or visit the symposium website www.isrs2016.de to explore the possibilities of becoming a symposium sponsor or advertiser.



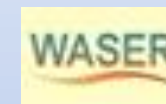
ISRS 2016

13th International Symposium on River Sedimentation

September 19 – 22, 2016
Stuttgart, Germany



Vereinigung von Freunden
der Universität Stuttgart



www.isrs2016.de

Invitation and Background

On behalf of the Local Organizing Committee, I take great pleasure in inviting you to the 13th International Symposium on River Sedimentation (ISRS 2016), which will be held from September 19 to 22 2016 in Stuttgart, Germany. Held triennially since 1980 under the auspices of the International Research & Training Center on Erosion and Sedimentation (IRTCS), the symposium series provides an important forum for scientists, engineers and policy-makers to share information, exchange ideas and collaborate in the field of erosion and sedimentation processes.

Sediment dynamics in fluvial systems is of high ecological, economic and human-health-related significance worldwide. Appropriate management strategies are needed to limit maintenance costs as well as minimize potential hazards to the aquatic and adjacent environments. Human intervention, ranging from nutrient / pollutant release to physical modifications, has a large impact on sediment quantity and quality and thus on river morphology as well as ecological functioning. Truly understanding sediment dynamics requires multidisciplinary approaches. But how do we transfer new insights on complex interactions in fine sediments into sustainable management strategies? Can we win new partners by integrating biota? Can we do more with less?

See you in Stuttgart!

Silke Wieprecht
(Chairperson of the Local Organizing Committee)

Deadlines / Key Dates

Paper submission	February 15, 2016
Paper notification	April 1, 2016
Early bird registration	May 31, 2016
Conference	September 19 to 22, 2016

Sediment on the Move Innovative Management Strategies in Riverine Systems: From Old Problems to New Solutions

A	Integrated Sediment Management in River Basin Scale A1. Sediment sources and management strategies influencing sediment yield A2. Coupling of watershed processes with stream dynamics
B	Sediment Transport B1. Mechanics of sediment transport B2. Local scour, bank erosion and protection measures B3. Measurement techniques and monitoring strategies
C	River Morphodynamics C1. River morphology and morphodynamics C2. Numerical modelling of fluvial processes C3. River training and management
D	Hydromorphology meets Ecology D1. Ecological aspects of hydraulic and transport processes D2. From macro- to microscale to impact stability D3. Morphology and water quality D4. Modelling tools for river habitat management D5. River restoration measures
E	Reservoir Sustainability E1. Reservoir sedimentation and density currents E2. Reservoir management strategies
F	Social, Economic and Political Aspects of Sediment Management F1. Competing uses of rivers F2. Assessment and policy on hydro-environment F3. Natural hazards and extreme events

Special Sessions

- Workshop on International Sediment Advancements (WISA)
- SS 1: Hydropower and Sediment Management
- SS 2: Navigation and River Morphology
- SS 3: Innovative Measurement Techniques
- SS 4: SEDITRANS – Sediment Transport in Fluvial, Estuarine and Coastal Environment
- SS 5: Sustainable Land Management

Keynote Speakers

We are pleased to announce our confirmed keynote speakers:

- **Bruce W. Melville**, The University of Auckland, Auckland (New Zealand)
- **David M. Paterson**, University of St Andrews, St Andrews (UK)
- **Weiming Wu**, Clarkson University, Potsdam, N.Y. (USA)

Symposium Proceedings

We have received more than 300 excellent abstracts. Authors of accepted abstracts are welcome to submit a full paper by February 15, 2016. All accepted and presented papers (both oral and poster) will be published by CRC Press/Balkema in the form of a printed volume of abstracts and a CD containing PDF files of full-length papers.

Among the accepted papers, those that are exceptionally good can be selected for publication in a special issue of one of the following international peer-reviewed journals:

- Journal of Applied Water Engineering and Research
- International Journal of Sediment Research
- International Journal of River Basin Management
- Journal of Soils and Sediments