

Technical Visit

Participants of the symposium will have the choice between two different one-day technical visit tours on Wednesday, September 21, 2016:

One tour will take you to the Iffezheim barrage, a hydropower station with one of the largest fish passages in Europe. Operated by Rheinkraftwerk Iffezheim, jointly owned by EnBW (50%) and EDF (50%), 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/year 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.

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 visit.

**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 or a city tour of Stuttgart.

***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.



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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



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 (IRTCES), 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 interventions, from nutrient / pollutant release to physical modifications by river regulation, have 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?

Looking forward to welcoming you in Stuttgart,

Silke Wieprecht
(Chairperson of the Local Organizing Committee)

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 |

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)

Deadlines / Key Dates

| | |
|-------------------------|--------------------------|
| Abstract submission | September 1, 2015 |
| Abstract notification | November 1, 2015 |
| Paper submission | February 1, 2016 |
| Paper notification | April 1, 2016 |
| Early bird registration | May 31, 2016 |
| Conference | September 19 to 22, 2016 |

Abstract and Paper Submission

Abstracts can be submitted electronically through the website www.isrs2016.de until September 1, 2015. The deadline for submitting full papers of accepted abstracts is February 1, 2016.

The symposium language is English.

Symposium Proceedings

All abstracts and papers will be peer reviewed. 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.

Please note that the corresponding author must register and pay the registration fee until May 31, 2016 for the contribution to be included in the final program of the symposium. The speaker and the corresponding author should match. One speaker can perform up to 2 oral presentations.