

**Call for Papers**

**BHR Group**

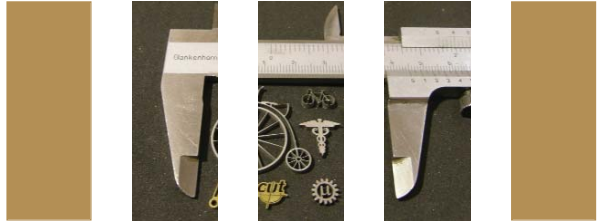
EXPERTS IN FLUID ENGINEERING

*20th International Conference on*

# WATER JETTING

**Business  
Areas Include:**

- *Waterjets*
- *Abrasive waterjets*
- *Cleaning*
- *Cutting*
- *Precision machining*
- *Surface preparation*
- *Manufacturing*
- *Construction*
- *Contracting*
- *Hydro-demolition*
- *Decommissioning*



**20–22 October 2010**

**Graz, Austria**

*Sponsored by:*



## ***Introduction***

The 20th International Conference on Water Jetting will be held in Graz, Austria, from 20 –22 October 2010. From its first beginnings this conference has been the premier technical event in Europe. Approaching its 40th anniversary, the event has tracked the development of ultra high-pressure pumps from their beginnings into the present wide range of applications and seen a formerly incipient technology transform into a mature business. Many industries rely upon the technology to achieve their production goals and its influence is seen from munitions decommissioning to the removal of damaged flesh from severe wounds.

The need to recycle has never been greater and, with abrasive waterjets, industries have a cutting tool with unique capabilities, including the ability to cut without heat. Difficult cleaning problems have been solved using the technology, increasing the scope for recycling waste product. Whether treating waste or new products, good surface preparation is paramount if the finished item is to meet its declared product life. Using waterjets will clean, prepare and, if necessary, cut surfaces in industrial, military, nuclear oil and gas facilities to name but a few. Safety, both in the use of waterjets and in applications like fire fighting, rescue and other emergency service challenges are also subjects addressed at this conference. New engineers to the technology will be amazed by what can be achieved by water jetting.

## ***Scope***

For the forthcoming conference we are looking for the latest developments and applications to chart the continuing advancement of the technology. We welcome papers and especially innovative case studies on:

- Fundamental research, new developments and innovative designs
- Solutions to industrial problems and usage in difficult and dangerous environments
- Cutting capabilities – from foodstuffs to metal and stone – in factories or open sites
- Environmental tasks – recycling, decommissioning, cleaning
- Health and Safety, including training, standards and legislative requirements
- Economics and cost comparisons with alternative cutting methods

Your solution may be the answer to another's problem so please tell us about your achievements. Here are just some of the application areas for the technology:-

- Civil Engineering including mining and quarrying, tunnelling, construction, contracting, hydro-demolition and stone and ceramic cutting
- Transportation including aerospace, automobile, shipbuilding and ship repair
- Traditional manufacturing including applications in production and job shops
- Environmental work to meet military, nuclear, oil and gas and cleaning and surface preparation requirements.

## ***Offers of Papers***

Authors are invited to submit title and abstract within the scope of the Conference, to reach the Conference Organiser by 26th February 2010. The abstract must be relevant to the scope, and the title should briefly describe the content of the paper.

Selection of papers will take account of originality, relevance and likely interest to delegates. Predominantly theoretical papers are expected to include experimental or other practical validation and/or details of likely application. Papers should be of a technical nature. Where authors wish to support their presentations with commercial material, we recommend that they also take an exhibition stand.

## *Timetable*

Deadline for receipt of abstract	26 February 2010
Deadline for receipt of manuscript	4 May 2010

## *Important – Authors Please Note*

- Papers must be original, unpublished, and not pending publication elsewhere.
- The author submits each paper on the understanding that **if accepted he/she must attend the whole Conference to present the paper**. Each presenting author is entitled to 25% discount on the full Conference fee.
- Papers, and presentation at the Conference, must be in English.
- Papers should be no longer than 15 printed pages. There is no minimum length.
- The title should be appropriate to the scope and should accurately describe the content of the paper.
- BHR Group will supply guidelines for the preparation of manuscripts. Papers conforming to these guidelines will, subject to final refereeing, be accepted for commercial publication.
- The copyright of accepted papers must be transferred to the Publisher. Authors who wish to retain copyright must notify the organisers when submitting their abstracts.
- The presenting author will receive one copy of the published proceedings and CD with their registration.

## *Venue and Timing*

The 20th International Conference on Water Jetting will be held in Graz, the second largest city in Austria. Nowhere else in the world will you find outstanding architecture of all styles from the Middle Ages through to the 21st Century in such a concentrated area. In 1999 Graz was added to UNESCO's list of World Cultural Heritage sites. For more information visit: [www.graztourismus.at](http://www.graztourismus.at).

Travel and accommodation details will be included in BHR Group's Conference Water Jetting webpage, and the registration leaflet will be available in July 2010.

## *Sponsorship & Exhibition*

If you have a product or service to promote and would like to enhance your brand awareness, we have sponsorship opportunities available. For details of how we can tailor a package to suite your needs please contact the organiser. There will also be a tabletop exhibition alongside the Conference. Exhibition stands will be limited and prospective exhibitors are strongly advised to register their interest with the organiser at the earliest opportunity.

## *Site Visits*

With some important water jet cutting companies operating in the area, it is planned to include one or more site visits in the programme of events. More details will be included in the registration leaflet.

## *Assisted Delegate Places*

With its aim to spread knowledge to a wider audience, VLN Advanced Technologies Inc of Canada is generously offering financial sponsorship support for deserving candidates who would otherwise be unable to attend the Conference. If you feel you may be eligible and wish to apply for a sponsorship place, please contact the organisers for an application form.

## **Conference Publications**

The papers from this Conference and related titles are professionally published and available through BHR Group. For further details, visit our website at [www.bhrconferences.com](http://www.bhrconferences.com)

## **UK Technical Advisory Committee**

Mr M Fairhurst	BHR Group Limited
Dr J Folkes	University of Nottingham
Dr R Fowell	Leeds University
Mr D Kennedy	Water Jetting Association
Mr P Longman ( <i>Chairman</i> )	KMT Waterjet Systems
Dr C McNally	Rolls Royce plc
Mr D Miller	Miller Innovations
Mr R Phillips	Powerjet Systems Limited

## **International Technical Advisory Committee**

Professor R Ciccu	University of Cagliari Digita, Italy
Mr J Gardner	Kennametal, Inc., USA
Dr M Hashish	Flow International Corp, USA
Mr A Henning	OMAX Corporation
Professor L Hlavác	VSB Technical University of Ostrava
Professor R Kobayashi	Ishinomaki Senshu University, Japan
Professor M Monno	Politecnico Di Milano, Italy
Mr A Schenk	University of Hannover, Germany
Professor D A Summers	University of Missouri-Rolla, USA
Mr F Trieb	BDHT GmbH, Austria
Dr M M Vijay	VLN Advanced Technologies Inc, Canada
Dr T Yahiro	Tokyo Consultant Corporation, Japan

## **About BHR Group**

BHR Group's involvement in jetting began in 1972 with its first International Conference on this important technology. Since the early 1980's we have continued to investigate, research, develop and extend the capability of abrasive waterjet cutting processes – particularly for difficult, inaccessible and remote operations.

Particular emphasis has been placed on directly injected, abrasive suspension jet development, of which DIAJET is the prime example. BHR Group's Jetting Technology Centre team comprises of specialists working on a range of problems from underwater cutting to fine high beam precision machining of difficult materials and explosives decommissioning. Services to clients range from cutting trials to consultancy, research, and equipment supply. Complete cutting systems are developed and supplied for specific applications, along with technical support, training and back-up services.

## **Enquiries**

For further information, please contact:

Conference Organiser

BHR Group Limited

The Fluid Engineering Centre

Cranfield, Bedfordshire MK43 0AJ, UK

Email: [confx1@bhrgroup.co.uk](mailto:confx1@bhrgroup.co.uk)

Tel: +44 (0)1234 756512

Fax: +44 (0)1234 750074

Web: [www.bhrgroup.com](http://www.bhrgroup.com)

**CALL FOR PAPERS FORM**

*20th International Conference on*

**WATER JETTING**

*20–22 October 2010: Graz, Austria*

***You are also invited to submit your abstract by email to [confx1@bhrgroup.co.uk](mailto:confx1@bhrgroup.co.uk) – receipt will be acknowledged.***

TITLE

AUTHOR(S) & AFFILIATION(S)

SYNOPSIS (up to 300 words: figures/tables may be included)

*Please complete your contact details overleaf*

**Abstract required by 26 February 2010 • Manuscript required by 4 May 2010**



## CALL FOR PAPERS FORM

20th International Conference on

# WATER JETTING

20–22 October 2010: Graz, Austria

### Your details

Please complete the form in block letters and tick appropriate boxes

Prof     Dr     Mr     Mrs     Miss     Ms

Surname

Forename

Position

Company

Address

Post/Zip Code

Country

Telephone

Fax

Email

- I wish to submit a paper and enclose the title and abstract herewith. If accepted, I agree to attend the whole Conference and present the paper.
- I do not wish to submit a paper but would be interested in attending. Please send me full details as soon as they are available.
- I would be interested in taking exhibition space at the Conference.

Please send me further details of:

- BHR Group technical activities     Forthcoming conferences     BHR Group publications

*Please return to:* Conference Organiser  
BHR Group Limited  
The Fluid Engineering Centre  
Cranfield, Bedfordshire MK43 0AJ, UK

Email: [confx1@bhrgroup.co.uk](mailto:confx1@bhrgroup.co.uk)  
Tel: +44 (0)1234 756512  
Fax: +44 (0)1234 750074

