

**Call for Papers**

**BHR Group**

EXPERTS IN FLUID ENGINEERING

*7th North American Conference on*

# MULTIPHASE TECHNOLOGY

**Banff, Canada**

**2–4 June 2010**

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*BHR Group is the world's leading organiser of specialist Multiphase Conferences. Its series of International Events began in Europe in 1983.*

## *Introduction*

Twelve years ago BHR Group launched the North American Multiphase Technology Conference. Its first objective was to encourage the presentation and dissemination of the expertise being developed in the region to a wider audience. Nowadays the conference continues to present the most innovative work being carried out in both North and South America as well as sharing knowledge and expertise with many professionals in Europe, the Middle East and beyond.

A wide range of oilfield conditions can present many different challenges to operators trying to optimise their performance using Multiphase Technology. Techniques and practices applied in the Arctic can be totally different to those used in the Caribbean or those used in deep water off the Brazilian coast. The understanding gained from pioneering developments can be invaluable to others facing challenges regardless of how dissimilar the challenges may appear at first. The interaction between the delegates who attend the North American Conference and the Group's original Multiphase Production Technology Conference held every other year in Europe, ensures that the knowledge gained receives global attention, recognition and dissemination.

As anyone familiar with the industry will know however, change never ends. What is innovative today will rapidly become yesterday's technology under the pressure to extract oil and gas more cheaply from ever more difficult locations. How will the industry respond to these demands? What are the next technical summits to climb and how should the industry seek to conquer them? Can the latest techniques used to extract more costly products offshore be applied to the benefit of onshore production? While this conference's focus is always upon the latest proven field techniques, delegates must also hear what novel approaches are being tested. The market leaders are constantly seeking innovation – like developing subsea processing to take just one example. For multiphase technology to be as successful as possible, solutions are needed for the solids encountered, whether they be removal before transmission in the case of sand, or containment, without the need for chemical treatment, in the case of hydrates. As our production systems become ever more complex, better answers are needed.

Over more than 25 years since BHR Group's series of Multiphase conferences started, the technology has moved from theory to practical applications. Now we must seek not only the practical answers to the wide range of climates, topographical environments and ecological challenges but also the vision to see where this technology must go in the future.

Multiphase Technology has the capacity to be the cornerstone for future oil & gas production and a landmark technology in the race to conserve the world's resources by enabling extraction at minimum energy cost.

BHR Group's Conference has been the premier international event providing delegates with opportunities to discuss new research and developments, to consider innovative solutions and to explore technology transfer between industries. Its technical quality makes this event an essential diary date for all engineers concerned with any aspect of multiphase technology.

## *Venue and Timing*

The 7th North American Multiphase Technology Conference will be held in Banff, Canada. The town of Banff is in Banff National Park – a UNESCO World Heritage Site with a protected natural environment, unparalleled scenery and abundant wildlife. The conference will take place in the Banff Park Lodge from 2nd – 4th June 2010.

Travel and accommodation details will be included in the reservation leaflet, available in Spring 2010.



## Scope

Papers and case studies are invited on current techniques and new developments under the following topics. Priority will be given to papers that discuss real applications and experiences.

### APPLICATIONS

- Case histories with lessons learnt
- Geographical – environmental issues; difficult terrain; deep & ultradeep waters; cold environment; subsea long distance tiebacks; oil sands; sand & particle transport; downhole & seabed processing; wet vs. dry wells; hilly terrain pipeline operations
- Flows – flow assurance; flowlines & risers; vertical flows; heavy oil flows; rheology/complex fluids; bundles/heating systems; slug management & control; turbulence & wave motion; thermal remediation
- Application of flow modelling – field validation; modelling in intelligent wells; multi-dimensional modelling; new applications

### TECHNOLOGIES

- Product formulations – emulsions, foams & slurries; hydrates, asphaltenes & waxes; sand & scale
- Equipment – integrated production systems; multiphase pumping & boosting; separation & separator vessels; multiphase metering; instrumentation & control; raw water re-injection; subsea equipment; pigging
- Flow simulation – modelling studies; experimental data scale-up
- Pipeline protection – corrosion & erosion; leak detection in multiphase systems

## Offers of Papers

Authors are invited to submit title and abstract within the scope of the conference, to reach the conference organiser by 12th October 2009.

The abstract must be relevant to the scope, and the title should briefly describe the content of the paper. Abstracts may be submitted by email to [confx1@bhrgroup.com](mailto:confx1@bhrgroup.com).

Selection of papers will take account of originality, relevance and likely interest to delegates.

Predominantly theoretical papers are normally expected to include experimental or other practical validation. Papers should be of a technical nature and we recommend that authors also take an exhibition stand should they wish to support their presentations with commercial material.

## Timetable

Deadline for receipt of abstract:  
12th October 2009

Deadline for receipt of manuscript:  
15th January 2010

## Important – Authors Please Note

- Papers must be original, unpublished, and not pending publication elsewhere.
- The author submits each paper on the understanding that the paper must be reviewed and approved by an independent referee. If the paper is accepted, the author must attend the whole conference to present the paper and discuss with delegates. 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.

## Who Should Attend

The conference will benefit anyone engaged in the application, development and research of multiphase technology for the oil and gas industry. Applications in the oil and gas industry will also be of interest to engineers from other industries for whom multiphase technology offers a novel solution to their problems.

The conference will also be of particular value to designers, facility and operations engineers, consultants and researchers from operating, contracting, consultancy and technology companies.

## **Technical Advisory Committee**

Mr S Smith ( <i>Chairman</i> )	Neotechnology Consultants, Canada
Dr E F Caetano	Petrobras, Brazil
Dr X D Cai	Saudi Aramco, Saudi Arabia
Mr T Danielson	ConocoPhillips, USA
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Dr C Sarica	TUFFP, The University of Tulsa, USA
Dr E Alsafran	Kuwait University
Mr G Shoup	BP America, USA

### **Senior Consultants**

Professor J Brill  
Dr G Gregory

## **Exhibition**

There will be a tabletop exhibition alongside the Conference. Exhibition stands will be limited and prospective exhibitors are strongly advised to register their interest with the organisers at the earliest opportunity. Each exhibitor will be offered a five-minute presentation to the conference delegates.

## **Enjoy Meeting Others**

To complement the formal programme we aim to provide a pleasant atmosphere to promote informal technical discussion and personal contact, these aspects are at least as important as the organised sessions. Regular attendees will be familiar with the friendly, well organised arrangements of these conferences, and will welcome the opportunity to renew old acquaintances and make many new ones.

## **About BHR Group**

BHR Group Limited is an independent contract Research and Technology Organisation (RTO) and SME. We specialise in the fluid dynamics and mechanics, and fluid physical and chemical behaviour of industrial processes from the nano to macro scales. We provide our expertise through consultancy; research and testing services; physical and computational modelling; technology translation; specialist training, Conferences and seminars; and product development and exploitation. These services are applied to solve problems for a wide range of industrial processes and sectors including chemicals, pharmaceutical, renewable and conventional energy sources, water and wastewater, and aerospace.

Our aim is to provide new innovative or optimised designs, analytical models and operating methodologies from which cost-effective and sustainable industrial processes can be developed. To do this we work closely with our customers to understand their business needs, and develop and implement practical technical and business solutions.

Consultancy and training courses are available for all aspects of slurry transportation and handling including sand, hydrates, nuclear sludge clean-up, mineral slurries, cuttings & drilling fluids and GTL catalysts.

For more information, visit BHR Group's web pages at [www.bhrgroup.com](http://www.bhrgroup.com).

## **Enquiries**

For further information, please contact:

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BHR Group Limited  
Cranfield, Bedfordshire MK43 0AJ, UK

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Tel: +44 (0)1234 750422  
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**CALL FOR PAPERS FORM**

*7th North American Conference on*

**MULTIPHASE TECHNOLOGY**

*Banff, Canada: 2–4 June 2010*

***You are also invited to submit your abstract by email to [confx1@bhrgroup.com](mailto:confx1@bhrgroup.com) – 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 12th October 2009 • Manuscript required by 15th January 2010**

## CALL FOR PAPERS FORM

7th North American Conference on

# MULTIPHASE TECHNOLOGY

Banff, Canada: 2–4 June 2010

### 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	

Please tick as appropriate:

- 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     BHR Group publications
- Forthcoming conferences     Forthcoming training courses

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

Email: [confx1@bhrgroup.com](mailto:confx1@bhrgroup.com)  
Tel: +44 (0)1234 750422  
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