Paterson & Cooke has presented courses on slurry pipelines since 1995, when the first course was held in Cape Town and continues to offer specialised courses on slurry pipelines, mine backfill and high density paste and thickened tailings systems in the regions in which we operate. The four-day Cape Town course is an annual course and through feedback from delegates the emphasis has shifted from theoretical analysis to include more practical content that focusses on a wide range of slurry pipeline applications.

Slurry pipelines are widely used in the mining industry, and increasingly offer viable alternatives for transport of mineral concentrates and ores, replacing conventional bulk materials transport options such as road and rail. New developments in solid-liquid dewatering result in highly concentrated viscous slurries that behave differently from conventional slurries. It is important for those involved in slurry systems to understand these differences. The format of this course provides delegates with a comprehensive introduction to the different types of slurries and slurry pipeline systems and components.

The aim of the course is to provide attendees with a thorough overview of the various applications of slurry pipelines in the mining industry and to provide a basic understanding of the requirements for a successful slurry pipeline system.

The four-day course consists of a series of lecture sessions, tutorial sessions and slurry flow behaviour demonstrations. Each delegate is issued with a complete set of the presentations and tutorial worksheets covering the topics discussed. A laptop or scientific calculator is essential for the tutorial sessions.

The course will be presented by senior staff of Paterson & Cooke.

The course will be held in March 2021 at the Academic Conference Centre, The Breakwater Lodge, Victoria & Alfred Waterfront, Cape Town, South Africa.

The course dates are: Tuesday 23 March - Friday 26 March 2021.
The Slurry Pipeline Principles & Applications course is accredited for 3.5 ECSA Continuing Professional Development (CPD) credits by the South African Institute of Mining and Metallurgy (SAIMM).

The course is aimed at owners, operators, designers and suppliers involved in slurry pipelines in the mining, chemical, industrial and engineering fields.

The course registration form is available on request at: slurrycourse@patersoncooke.com. Please note that numbers are limited and confirmation of attendance will only be sent once payment has been received.

The course fee is R 21 000 per person including V.A.T. We will issue an invoice which is payable within 15 days. A cancellation fee of 25% will be charged for written cancellations received before 15 February 2021. No fees will be refunded under any circumstances for cancellations after this date.

Delegates are responsible for their own accommodation. A list of suggested hotels is available on request. It is advisable to book as early as possible.

If you have any queries, please contact Gesa Witte at: slurrycourse@patersoncooke.com, or on tel: +27 (0) 21 531 2955, fax: +27 (0) 86 546 9876.

### Course Programme

<table>
<thead>
<tr>
<th>Session</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
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<tbody>
<tr>
<td>**Morning</td>
<td>Water systems</td>
<td>Slurry pipeline steady state hydraulics</td>
<td>Non and slow settling slurries</td>
<td>Mixed regime slurries</td>
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<tr>
<td><strong>Sessions</strong></td>
<td>Introduction to slurry flow</td>
<td>Slurry pump types and applications</td>
<td>Conventional, paste and thickened tailings systems</td>
<td>Slurry pipeline transient hydraulics</td>
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<td>Hydraulic hoisting</td>
<td>Slurry thickening for pumping</td>
<td>Slurry system components</td>
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<td>Mine backfill systems</td>
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<tr>
<td><strong>Afternoon</strong></td>
<td>Settling slurries and applications</td>
<td>Test work requirements for slurry systems</td>
<td>Wear and materials selection</td>
<td>Long distance pipelines and choke stations</td>
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<tr>
<td><strong>Sessions</strong></td>
<td>Slurry test facility visit and on-site demonstrations and measurements</td>
<td>Tutorial sessions</td>
<td>Slurry system components</td>
<td>Design applications</td>
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<td></td>
<td>Tutorial sessions</td>
<td>Course closing</td>
</tr>
<tr>
<td><strong>Evening</strong></td>
<td>Free</td>
<td>Social Event</td>
<td>Free</td>
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Note: The programme outline is presented for information purposes only and illustrates the topics that will be covered; adjustments are not expected, but may be required at the organizer’s discretion.