



IPC 2012

INTERNATIONAL PIPELINE CONFERENCE

September 24 – 28, 2012 • The Hyatt Regency Hotel & The TELUS Convention Centre, Calgary, Alberta, Canada

Call for Papers

www.InternationalPipelineConference.com

The Conference

In September 2012, members of the pipeline industry from around the world will gather in Calgary for the 9th International Pipeline Conference (IPC 2012). Organized by volunteers representing international energy corporations, energy and pipeline associations and regulatory agencies, the IPC has become internationally renowned as the world's premier pipeline conference. This is a not-for-profit conference and proceeds continue to support educational initiatives and research in the pipeline industry.

The conference will begin on Monday, September 24, with tutorial offerings in key areas of interest. Technical Track sessions will begin the morning of Tuesday, September 25, and run through to Friday, September 28.

The International Pipeline Conference is designed to inform, enlighten and motivate, therefore we encourage you to actively participate in IPC 2012—five days of exceptional value, which you won't want to miss!

Technical Tracks

Conference organizers are developing technical tracks to enhance the opportunities for attendees to hear and participate in discussion with industry leaders in the topic areas of their choice. Topic areas include, but are not limited to:

- **Track 1: Upstream Pipelines**

Specific pipeline interests for producers; focus on Upstream Pipeline Integrity Management, Risk Management, Design, Construction & Operation; Case Histories, Upstream Pipeline Inspection Technology, Regulatory Issues, Failure Analysis, Non-Metallic Pipelines, Leak Detection

- **Track 2: Project Management**

Effective pipeline project delivery including the achievement of typical key performance indicators of Cost, Schedule, Safety, and Quality; Team Leadership, Effective Communication, Collaboration, Joint Ventures, High Value Engineering

- **Track 3: Design & Construction**

System Planning (Hydraulics), Design, Routing, Survey, Logistics, Construction, Geotechnical, Quality Control and Quality Assurance, Testing, Commissioning, Coatings, Compressor and Pump Stations, Terminals, Pigging Facilities, Valves, Piping Stress Analysis, Change of Service, Abandonment, Satellite Imaging and Remote Sensing, Field and Inspection Data Management, Geomatics, GPS Applications

- **Track 4: Environment**

Environmental Case Studies, Socio-Economics, Community Involvement, Permitting Strategies, Reclamation, Mitigation, Abandonment, Land Issues, Emissions/Hydrotesting Fluids, Remediation, EIA, Cumulative Effects Assessment, Route Selection, Monitoring, Water Crossings, Field and Inspection Data Management, Database Design, GPS Applications, GIS, Geomatics

- **Track 5: Facilities Integrity Management**

Tanks, Pumps, Compressor Stations, Yard Piping, Station Piping, Field and Inspection Data Management, GIS. This session is all about managing the integrity of assets inside a fence and not on a pipeline right of way. Historically these assets have not been subject to the same type of scrutiny as pipeline assets but requirements are changing.

- **Track 6: Pipeline Integrity Management**

- **Topic 6-1: Integrity Programs & Threat Management**

Managing Integrity, Risk Assessment, Threat Management, Mitigation, External Corrosion & Control, Cathodic Protection, Internal Corrosion & Control, Coatings, Environmental Cracking & Stress Corrosion, Fatigue Cracking, Mechanical Damage, Geohazards & Geotechnics, Records Management, GPS, GIS & Geomatics

- **Topic 6-2: Inspection, Monitoring & Testing**

Defect Detection & Assessment, Direct Assessment, In-Line Inspection, Tethered & Robotic Inspection Tools, Field & Inspection Data Management, Inspection Intervals & Scheduling, Measuring Corrosion Growth Rates

- **Topic 6-3: Structural Integrity & Repair**

Structural Integrity, Defect Assessment, Engineering Critical Assessment, Fitness For Purpose Assessment, Repair Techniques, Composite Repair, Hydrostatic Testing

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• **Track 7: Materials & Joining**

Materials Design, High Strength Steels, Fracture Toughness Requirements, Welding, Properties of Girth Welds, Weld Flaw Acceptance Criteria, Hot Tapping, Mechanical Joining, Joining Alternative Materials, Quality Control and Quality Assurance, Pipe Manufacture, Fittings

• **Track 8: Operations & Maintenance**

Applications of Technology, Operating Experience, Preventative-Maintenance Techniques, Life-Cycle Engineering, Operating Equipment Optimization, Useful Life Extensions, Operating Cost Reductions, Vendor Alliances, Field and Inspection Data Management, Database Design, Records Management

• **Track 9: Pipeline Automation & Measurement**

SCADA, Communications, Automation, Control Devices, Instrumentation, Sensor Technology, Measurement and Metering, Hydraulic Simulations, Leak Detection, Operations, Simulation and Trainers

• **Track 10: Pipelining in Northern and Offshore Environments**

Emerging Technologies, Working in Permafrost, Stability of Frozen Slopes, Frost Heave, Thaw Settlement, Thermal Modelling, Logistics, Engineering in Cold Regions, Rapid Lake Drainage, Satellite Imaging and Remote Sensing, GPS Applications, Effects of Climate Change on Northern Pipelines; Offshore Pipelines, Flexible Pipelines, Intra-Field Pipelines, Ice Scour

• **Track 11: Strain-Based Design**

Strain-Based Design, Geo- Hazard Assessment and Characterization, Strain Demand, High Performance Pipe and Associated Welding and Inspection Technology, Tensile and Compressive Strain Limits

• **Track 12: Risk & Reliability**

Risk Assessment, Qualitative and Quantitative Risk Modelling, Risk-Based Maintenance Planning, Reliability-Based Design and Assessment, Failure Data Analysis and Failure Rate Estimation, Failure Consequence Modelling, Risk Tolerance Criteria and Reliability Targets, Pipeline Security, Database Design, GIS, Records Management

• **Track 13: Standards & Regulations**

Compliance, Code of Practice, Safety, Environment, Management Systems, Comparison of Standards, Abandonment Issues, Quality Assurance, Survey, Material Identification Systems, Regulatory Styles, Goal-Based vs. Prescriptive Regulations

Guidelines for Abstracts

The abstract should emphasize the significance of the results and/or major technical merits of the final paper. Abstracts should be approximately 300 - 400 words in length and must include full names, addresses, telephone and/or fax numbers, and email contact information of the author/s. In the case of multiple authors, please indicate one primary contact.

The official language of IPC 2012 is English. All presentations must be in English. All presenters must be fluent in English.

When considering whether to submit an abstract, be advised that if the abstract is accepted (upon review), authors will be invited to submit a formal Draft Paper in a full-length Technical Presentation format. Short papers (as defined by ASME Guidelines) will not be accepted for IPC 2012.

Review Criteria

Abstracts will be judged on their content pertaining to new knowledge or experience/test results and their technical merit and interest relative to the conference. Authors shall avoid commercial references within their abstracts and papers.

ASME author guidelines will be followed; the link for the guidelines can be found at <https://www.asme.org/kb/proceedings/author-guidelines>.

Final paper acceptance will be at the discretion of the Technical Committee.

Abstract Submission

Abstracts may be submitted online to the Conference WebTool. The link to the Conference WebTool is now open for submissions at <https://www.asmeconferences.org/IPC2012/Author/NewAbstract.cfm>. The deadline for submission of abstracts is November 30, 2011.

All abstract submissions received on or before November 30, 2011 will be entered into our draw to win one of two Apple iPads (provided their abstracts are accepted and the authors subsequently attend to present their papers at IPC 2012), generously donated by sponsor Petro-Line Upgrading Services Ltd. The draw will be held on a future date and winners will be notified by email, announced on the Web site, and presented at IPC 2012.

When your abstract is submitted to the Conference WebTool you will be notified of your abstract confirmation number.

Please contact the Technical Coordinator by email at info@internationalpipelineconference.com for further details.

For more information visit www.InternationalPipelineConference.com
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Schedule for Publication

If you are planning to submit an abstract for consideration for IPC 2012 please note the following deadlines:

- Submission of Abstract, Wednesday, November 30, 2011
- Notification of Abstract Acceptance, Wednesday, December 21, 2011
- Submission of Full-Length Draft Paper for Review, Monday, February 13, 2012*
- Paper Reviews Completed, Monday, April 16, 2012
- Initial Author Notification of Acceptance/Revision Requirements, Monday, April 23, 2012
- Electronic Copyright Form Submission Process Opens, Monday, April 23, 2012
- Submission of Revised Paper for Review (if required), Monday, May 7, 2012
- Author Notification of Acceptance of Revised Paper, Monday, May 14, 2012
- Submission of Copyright Form, Monday, May 25, 2012
- Submission of Final Paper, Monday, May 28, 2012
- Author Registration Deadline, Monday, June 4, 2012

Publication of final paper/s is subject to author/s commitment to attend and present their paper/s at the conference and will be at the discretion of the Technical Committee.

The Technical Committee reserves the right to require a pre-paid deposit prior to approving authors' papers for IPC 2012.

For more information, e-mail

info@InternationalPipelineConference.com

**At the time of submitting a full-length draft paper (February 13, 2012), authors are advised to initiate the VISA application process, if required, for travel to Canada to present an accepted final paper. We have experienced issues in the past where VISAs were not received in time, and papers needed to be omitted or withdrawn as a result.*

Tutorials / Posters / Student Papers / Panels

Tutorials

Tutorials are intended to provide information to conference participants, which will enhance their ability to enjoy the conference. *Persons interested in providing a tutorial for IPC should contact the Conference Technical Coordinator at info@InternationalPipelineConference.com*

Poster Sessions

Poster sessions provide an opportunity for authors to present their paper in a different format than traditional oral presentations and will be held throughout the conference based on interest and space availability. *Interested authors should submit abstracts to the Conference WebTool, <https://www.asmeconferences.org/IPC2012/Author/NewAbstract.cfm>.*

Please select Poster as your paper type when submitting your abstract.

Student Paper Competition

Graduate and Undergraduate Students are invited to participate in the sixth Student Paper Competition to be held in conjunction with IPC. Details of the competition will be posted to the International Pipeline Conference Web site at:

www.InternationalPipelineConference.com.

The deadline for Student Competition abstract submissions has been extended to December 14, 2011.

Interested authors should submit abstracts to the Conference WebTool, <https://www.asmeconferences.org/IPC2012/Author/NewAbstract.cfm>

Please select Student Paper as your paper type when submitting your abstract.

A covering letter from your supervisor stating that you are a student in good standing may be requested.

Panel Sessions

Panel sessions will be organized based on interest and availability of panelists.

If you have an idea for a panel session you would like to see, participate in, or organize, please contact the Conference Technical Coordinator at

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Panels currently being considered include:

- Damage Prevention
- Aging Infrastructure / Strategies to Manage Pre-1970s Vintage Pipelines
- Leak Detection
- Risk Assessment
- Management Systems
- Shale Gas Impacts on North American Transportation
- Research and Development – Industry Collaboration

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