



# Introduction to Pipeline Integrity Management & Integrity Management Systems, and Hydrogen Pipeline Integrity

Pipeline Integrity Institute, within the Faculty of Applied Science at the University of British Columbia, is excited to host a three-day short course on Pipeline Integrity Management Systems and Hydrogen Pipeline Integrity in Vancouver from September 18-20, 2023.

This short course is taught by well-known experts in this field and will cover: (i) advanced concepts in pipeline integrity management, and (ii) energy transition: hydrogen pipeline integrity.

The Pipeline Integrity Institute has been, and remains, the leader in the provision of undergraduate pipeline engineering courses. It is the first institute in North America to provide such course content to engineering students.

[pipeline.integrity@ubc.ca](mailto:pipeline.integrity@ubc.ca)

## Pipeline Integrity Institute University of British Columbia

Course Location & Inquiries  
UBC Robson Square, Vancouver, BC  
[pipeline.integrity@ubc.ca](mailto:pipeline.integrity@ubc.ca)

### Pipeline Integrity Institute Partnerships & Sponsors



Short Course Collaboration with:



[competence.rosen-group.com](http://competence.rosen-group.com)

# Pipeline Integrity Institute

at the University of British Columbia  
with

## The Competence Club

Presents this short course on

### Introduction to Integrity Management & Systems, and Hydrogen Pipeline Integrity



PIPELINE INTEGRITY  
INSTITUTE  
INSTITUT D'INTÉGRITÉ  
DE PIPELINE



The  
**Competence  
Club**  
*...connects*

## Day 1 September 18, 2023

### Introduction to Pipeline Integrity Management & Integrity Management Systems

By *Arti Bhatia*

Aimed at engineers and practitioners requiring a refresher on or an introduction to pipeline integrity management & integrity management systems. The first day of the course covers:

- pipeline integrity management cycle & framework,
- pipeline integrity threats & risk assessment/management,
- integrity planning,
- anomaly management repair & intervention,
- codes & standards.



Arti Bhatia has over twenty-five years of experience in the oil and gas pipeline industry, specializing in the areas of pipeline risk and engineering assessments, research and technology development and application within pipeline engineering, inline inspection programs, pipeline investigations and implementation of management systems, and regulatory compliance.

Currently the chair of the Technical Subcommittee on Management Systems for the Canadian Standards Association (CSA) Z662 Oil and gas pipeline systems standard and she is a member of the CSA Z662 Task Force on Risk Management.

## Days 2 & 3 September 19-20, 2023

### Hydrogen Pipeline Integrity

By *Neil Gallon*

This 2-day portion of the course covers:

- the role of hydrogen in energy transition,
- differences between hydrogen & natural gas pipelines,
- conversion of existing pipelines to hydrogen,
- effects of hydrogen on pipeline materials,
- defect assessment,
- integrity management of hydrogen pipelines & future fuels, and
- a workshop on how to re-purpose existing gas pipeline.



Neil Gallon is a Principal Materials and Welding Engineer working for the ROSEN Integrity Services division in Newcastle upon Tyne, UK. He holds a Master's degree from the University of Cambridge and is a Chartered Engineer, a EUR.ING, a professional Fellow of the Institute of Materials, Minerals and Mining and an International / European Welding Engineer.

He has over 20 years' experience in manufacturing and consultancy, including working for companies such as Tata Steel and GE. His current interests include the impact of gaseous hydrogen on materials and welds.

## REGISTRATION

Registration inquiries: Please email [pipeline.integrity@ubc.ca](mailto:pipeline.integrity@ubc.ca)

Registration fees (Canadian funds):

- 3 day short course - \$3000.00
- \$500 discount offered at registration for the following:
  - PII Industry Partner companies
  - Companies registering 2+ employees

### Who Should Attend?

All pipeline integrity personnel, including those new to the industry.

These courses are especially suitable for pipeline engineers or managers looking to enhance their wider understanding of integrity management concepts and the implications of the new emerging fuel pipelines.

### Courses Format?

These are classroom-based courses. Start time is 08:30. Finish time is 16:30. Breakfast & lunch provided.