A professional development course presented by Nicolas Dechy, this two and a half day course will cover the analytic tools of industrial incident investigation used by engineers, learning from experience and management of change in high-risk industries, and the basic requirements for an organisational approach to accidents and safety management.

NICOLAS DECHY
For the past ten years, engineer Nicolas Dechy has worked on process safety at INERIS in France, the institute dealing in the area of chemical incident prevention. He has expertise in the field of accident investigation, learning from experience and safety management. Nicolas is currently conducting an organisational and human factors safety assessment of French nuclear power plants for IRSN, the French public nuclear safety and research institution. He has published more than 50 papers on major hazard safety. He was chairman of the ESRDEA working group on accident investigation. His main topics of interest are learning from accidents, organisational failures, learning from experience, failures of management of change, and organisational diagnosis before and after accidents.
WHY ATTEND?

At the end of the course participants will have an understanding of:

- the basic analytic tools of industrial incident investigation used by engineers
- developing guidance on how to organise learning from experience and management of change in high-risk industries, and on weak signals concepts integrating the main lessons of major accidents and disasters through case studies
- identifying the role of human and organisational factors of safety and appropriate the basic requirements for an organisational approach of accidents and safety management.

SUPPORTED BY

This professional development course is proudly supported by:

- Safety Institute of Australia
- ATSE
- The Risk Engineering Society of Engineers Australia
- Engineering Sydney
- The Electrical and Information Engineering Foundation and Civil Engineering Foundation of the University of Sydney
- Australian Institute of Energy (AIE)
- Institution of Chemical Engineers (IChemE)
- Engineers Australia

PROGRAM

DAY 1
8.30AM - 5.30PM
- Industrial accidents and disasters main features, using the Toulouse disaster as an example.
- Principles of incident investigation: main analytic tools such as fault trees, bow-ties, socio-technical analysis
- Practicing the different tools on case studies

DAY 2
9AM - 5PM
- Student case studies of major accident reports
- Organisational analysis as an approach to diagnose influences of organisational factors in daily safety management and in accidents

DAY 3
9AM - 1PM
- Principles to organise a ‘learning from experience’ process
- Weak signals concepts
- Management of change principles and safety issues

The course will allow for some flexibility, depending upon participant interaction. The theory will be accompanied by case studies and information on practical issues

FOR MORE INFORMATION
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DISCOUNTS
MEMBERS OF SUPPORTING ORGANISATIONS:
Discount of 5% for members of the Australian Institute of Energy (AIE), Engineers Australia, and the Institution of Chemical Engineers (IChemE).

EARLY BIRD:
10% if registration is received by 9 May 2014

Discounts for members of the Foundation for this event will be allowed as follows:

COMPANY MEMBER:
Participants who are registered by a Foundation Governor Member company are entitled to a discount of 20% of the registration fee. Participants who are registered by a Foundation Council Member company are entitled to a discount of 15% of the registration fee. Participants who are registered by a Foundation Corporate Member company are entitled to a discount of 10% of the registration fee.

COMPANY NON-MEMBERS:
Companies may become members of the Foundation and are eligible for the discounts by paying the Membership Fee discounted by 25% if membership is sought in the first half of the financial year, or by 50% if in the second half of the year.

INDIVIDUALS:
Participants may register individually if they are not sponsored by a company/organisation. Fellow Members of the Foundation are entitled to a discount of 5%. Non-members become Fellow Members by registering, but are not entitled to the discount.

CONDITIONS OF REGISTRATION
CANCELLATIONS:
If you are unable to attend, a substitute participant is welcome at no extra charge. Where no substitute is available, an administrative fee of 10% of the Registration Fee or of $150 – whichever is the greater – (plus GST) will be deducted from your registration fee for cancellations received by the Foundation Executive Officer in writing at least 14 days prior to the event. A 50% refund will be given if cancellations are received in writing between 14 and 7 days prior to the event. Thereafter no refunds will be made.

PRIVACY POLICY:
The information you provide will be used to manage your participation in the TECHNICAL INCIDENT INVESTIGATION, LEARNING FROM EXPERIENCE, ORGANISATIONAL ANALYSIS OF INDUSTRIAL SAFETY MANAGEMENT AND ACCIDENTS Professional Development Course. It will be held by the Chemical and Biomolecular Engineering Foundation and will not be disclosed outside the University without your consent unless required or authorised by law. The supply of the information is voluntary, however if you do not complete all sections we may not be able to enrol you in the course. You have the right to access and correct personal information about you held by the University - please contact the Foundation for further information.

CHANGES TO THE EVENT:
The Foundation may need to make changes to the time and/or location of the event and reserves the right to do so by informing you in writing as soon as the need for such changes are noted. The Foundation also reserved the right to cancel the event in which case full refunds will be made. The Foundation may also need to alter the program of the event prior to or during the event and reserves the right to do so without notice.