# AGENDA

## MONDAY, SEPTEMBER 10, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08:00 - 17:00</td>
<td>Pre-Conference Workshop and Registration</td>
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</tbody>
</table>
| 09:00 - 17:00 | Workshop “CCPS NEW APPROACH TO PROCESS SAFETY METRICS”  
Instructors: Louisa Nara, Christa Pennino and Néstor Spósito – CCPS  
Invited Speakers: Chris Hawkes – IOGP, Gretel d'Amico – Pluspetrol |

## Day 1 | TUESDAY, SEPTEMBER 11, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>07:30 - 17:00</td>
<td>Registration (All day)</td>
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| 08:10 - 09:00 | OPENING  
Louisa Nara | CCPS  
Mary Corsaro | Pluspetrol  
Federico Caldora | PAE  
Carlos Colo | YPF - ARPEL  
June Wispelwey | AICHE |
| 09:00 - 10:00 | KEYNOTE CONFERENCE 1  
Kinnesh Dalal | General Manager, Operational Excellence / HES - Chevron Latin America  
PROCESS SAFETY APPROACH FOR UPSTREAM |
| 10:00 - 10:30 | Coffee Break and EXPO Opening                                      |
| 10:30 - 13:00 | TRACK 1: LEADERSHIP AND CULTURE  
Chairs:  
Gretel d'Amico | Pluspetrol  
Eduardo Francisco | DuPont |
| 10:30 - 11:00 | CONCEPTUAL FRAMEWORK AND NEW APPROACHES TO CULTURE IN PROCESS SAFETY  
Gretel d'Amico, Pluspetrol and Eduardo Francisco | DuPont |
| 11:00 - 11:30 | THE ATTRIBUTES OF THE SAFETY CULTURE. INTERVENTION IN AN OIL&GAS ORGANIZATION  
Diego Turjanski and Mario Poy | ICSI Latam |
| 11:30 - 12:00 | OPERATIONAL DISCIPLINE AS A KEY FACTOR FOR SAFE CULTURE AND PROCESS SAFETY MANAGEMENT  
Jorge Torrado | OCENSA |
| 12:00 - 12:30 | ACHIEVE SUSTAINABILITY THROUGH A COMBINED APPROACH  
Cecilia Sánchez and Fabricio Lima | EXPROGROUP |
| 12:30 - 13:00 | KEYNOTE CONFERENCE 2  
Conclusions of the Workshop “Leadership, Culture and Process Safety”  
Spokespersons for Workshop & Martin Fernández | Whycomm |
<p>| 13:00 - 14:00 | Lunch and Networking                                               |</p>
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<thead>
<tr>
<th>Time</th>
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<th>Chairs</th>
<th>Authors/Companies</th>
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<tr>
<td>14:00 - 15:30</td>
<td>TRACK 2: MECHANICAL INTEGRITY</td>
<td>Chairs: Antonio Meza</td>
<td>COGA</td>
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<td></td>
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<td>Rodolfo Kramer</td>
<td>YPF</td>
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<tr>
<td>14:00 - 14:30</td>
<td>PROCESSES IN CYCLIC OPERATION: LESSONS LEARNED FROM A CASE STUDY</td>
<td>Paul E. Rodríguez</td>
<td>Pluspetrol</td>
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<td>14:30 - 15:00</td>
<td>DETERMINATION OF PRD PFD USING API AS A REFERENCE</td>
<td>Paulo Rocha, Felipe Ribeiro, Sandro França</td>
<td>Braskem</td>
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<td>15:00 - 15:30</td>
<td>ASSET MANAGEMENT AND PROCESS SAFETY: A NEW CHALLENGE FOR THE AREAS OF MAINTENANCE AND RELIABILITY</td>
<td>Felipe Henao</td>
<td>Pluspetrol</td>
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<td>15:30 - 16:00</td>
<td>Coffee Break</td>
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<tr>
<td>16:00 - 17:30</td>
<td>TRACK 3: MANAGEMENT OF CHANGE</td>
<td>Chairs: Adriana M. Gómez</td>
<td>Dow Chemical</td>
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<td>Pablo González</td>
<td>PAE</td>
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<td>16:00 - 16:30</td>
<td>THE ROLE OF MANAGEMENT OF CHANGE IN INCIDENT ROOT CAUSE ANALYSIS</td>
<td>Carmen Osorio-Amado, Daniel Getsinger, and Delmar Morrison</td>
<td>Exponent</td>
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<tr>
<td>16:30 - 17:00</td>
<td>MANAGEMENT OF CHANGE IN THE INDUSTRIAL COMPLEX PLAZA HUINCUL</td>
<td>Carlos Rosell</td>
<td>YPF</td>
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<tr>
<td>17:00 - 17:30</td>
<td>MANAGEMENT OF TRANSITORY CHANGES IN PROFERTIL SA</td>
<td>Sergio Nabáes, María Lourdes Martínez</td>
<td>Profertil</td>
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<tr>
<td>17:45 - 18:45</td>
<td>SHORT TECHNICAL SESSIONS</td>
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<td>18:45 - 19:45</td>
<td>Welcome Cocktail</td>
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Day 2 | WEDNESDAY, SEPTEMBER 12, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Chairs</th>
<th>Authors/Companies</th>
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<tr>
<td>08:00 - 17:00</td>
<td>Registration</td>
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<tr>
<td>08:30 - 10:30</td>
<td>TRACK 4: IDENTIFICATION AND RISK MANAGEMENT</td>
<td>Chairs: Héber Varela</td>
<td>PLUSPETROL</td>
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<td></td>
<td>Luis Kirs</td>
<td>YPF</td>
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<tr>
<td>08:30 - 09:00</td>
<td>RISK MANAGEMENT: STRUCTURE OF ANALYSIS AND ITS PROCEDURES</td>
<td>Karina Isabel Peñaflor, Magdalena Barnetche</td>
<td>PAE</td>
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<tr>
<td>09:00 - 09:30</td>
<td>THREAT LINE MANAGEMENT TOOL</td>
<td>Natalia Bellesi, Carla Tróccoli, Johana Giroldi, Sebastián Mario</td>
<td>Shell CAPSA</td>
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<tr>
<td>09:30 - 10:00</td>
<td>MANAGING PROCESS SAFETY RISKS AT THE WELL SITE FOR SERVICE COMPANIES</td>
<td>Rogelio Miranda, Terrance Sookdeo</td>
<td>GE Baker Hughes</td>
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<tr>
<td>10:00 - 10:30</td>
<td>ESTIMATION OF THE SUSCEPTIBLE VOLUME OF SPILLAGE AND DISCHARGE RATE IN TRANSPORT SYSTEM OF LIQUID HYDROCARBONS FOR LEAKS AND BREAKAGES</td>
<td>D. Moncada, M. Montoya, D. Reyes, and J. Florez</td>
<td>CENIT Transporte</td>
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</tbody>
</table>
10:30 - 11:00 Coffee break

11:00 - 11:30 HOW TO MANAGE THE EMERGING CYBER RISKS, CYBERSECURITY FOR OIL AND GAS FACILITIES
Gerardo González | YPF
Hernán Vázquez | ARPEL

11:30 - 13:00 TRACK 5: PROCESS SAFETY TECHNOLOGY
Chairs:
Diego Gómez | OLDELVAL
Flavio Monteiro | CHEVRON

11:30 - 12:00 THE USE OF DRONE IN PROCESS HAZARD ANALYSIS STUDIES
Eduardo M. Francisco, Sergio Ferreira | DuPont

12:00 - 12:30 PROCESS SAFETY IN THE UPSTREAM: RISK-BASED OPERATION IN VACA MUERTA
Victor Cabanne | YPF

12:30 - 13:00 ADAPTING THE CAUSE-EFFECT MATRIX METHODOLOGY TO YOUR SAFETY INSTRUMENTED SYSTEMS (SIS) TO REDUCE HUMAN ERRORS DURING ENGINEERING, OPERATIONS AND BEYOND
Luis García | Siemens

13:00 - 14:00 Lunch and Networking

14:00 - 15:30 TRACK 6: EMERGENCY MANAGEMENT AND STAKEHOLDERS OUTREACH
Chairs:
Nelson Gualtero | PLUSPETROL
Carmen Osorio | EXPONENT

14:00 - 14:30 IS OUR EMERGENCY PREPAREDNESS AND RESPONSE PLAN RELIABLE?
Néstor Spósito | CCPS

14:30 - 15:00 EMERGENCY MANAGEMENT IN MAJOR ACCIDENTS USING PROCESS SAFETY TOOLS. CASE DEVELOPED FOR THE LOADING, UNLOADING AND FLUVIAL TRANSPORTATION OF HYDROCARBONS IN THE PUCALLPA ROUTE AND THE OPERATIONS BASE OF NUEVO MUNDO
Javier Zumarán | Repsol Perú

15:00 - 15:30 INTUITIVE SCHEMES, PROCEDURES AND VALIDATIONS FOR DECISION AND ACTION OF THE EMERGENCY LEADER, CASE AND SIMULATION ANALYSIS
Salvador Avila Filho, Ivone C. S. Cerqueria, Edmara Drigo | UFBA
Jade Spínola Avila | Federal University of Campina Grande
Júlio Nascimento | SSP

15:30 - 16:00 Coffee break

16:00 - 16:30 SAFETY INSTRUMENTED SYSTEMS AS PART OF PROCESS SAFETY MANAGEMENT
Ana María Macías, Jade Spínola Avila | MAJA Consulting Group

16:30 - 17:30 KEYNOTE CONFERENCE 3
Chris Hawkes | Safety Director, IOGP
PROCESS SAFETY INDICATORS - SOME SURPRISING ANALYSIS OF FATAL INCIDENTS DATA

17:30 - 18:30 SHORT TECHNICAL SESSIONS
## Day 3 | THURSDAY, SEPTEMBER 13, 2018

**08:00-12:00**  
Registration (half-day)

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<tr>
<th>Time</th>
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| 08:30 - 09:15 | **KEYNOTE CONFERENCE 4**  
Antonio Macías | Latin America Director, National Fire Protection Association  
PRIORITIZING FIRE PREVENTION AND PROTECTION THROUGH THE LENS OF A SAFETY ECOSYSTEM |
| 09:15 - 10:30 | **DISCUSSION PANEL:**  
COMPETENCIES IN PROCESS SAFETY  
Louisa Nara | CCPS  
Dr. Kristen Kulinowski | Interim Executive Authority, CSB  
Mary Corsaro | EHS Director, Pluspetrol  
Chris Hawkes | Safety Director, IOGP  
Felipe Muñoz | Professor and Investigator, Universidad de los Andes, Colombia |
| 10:30 - 11:00 | Coffee break |
| 11:00 - 12:00 | **KEYNOTE CONFERENCE 5**  
Dr. Kristen Kulinowski | Interim Executive Authority, US Chemical Safety and Hazard Investigation Board (CSB)  
PROCESS SAFETY LESSONS LEARNED |
| 12:00 - 13:00 | **TRACK 7: CASE STUDIES AND LESSONS LEARNED**  
Chairs:  
Carlos Videla | TECPETROL  
Esteban Fellner | YPF |
| 12:00 - 12:30 | NORMALIZING THE DEVIATION: WEAKENING OF THE WORK PERMIT  
Oscar del Águila | Pluspetrol |
| 12:30 - 13:00 | THE QUALITY OF INCIDENT INVESTIGATION AS A CONTRIBUTION TO LESSONS LEARNED  
Pablo Cantasano | YPF |
| 13:00 - 14:00 | Lunch and Networking |
| 14:00 - 14:30 | LOSS OF CONTAINMENT TIER 1 FROM HOT VACUUM RESIDUE TANK  
Rafael García Yáñez | Chevron |
| 14:30 - 15:30 | **KEYNOTE CONFERENCE 6**  
Chris Domingo | Risk Control Director, Willis Towers Watson  
CATASTROPHIC INCIDENTS LESSONS LEARNED |
| 15:30 - 16:30 | **CLOSING, CONCLUSIONS AND RECOGNITION**  
Gustavo Correa | YPF  
Mary Corsaro | PLUSPETROL  
Federico Caldora | PAE  
Pablo Ferragut | ARPEL  
Louisa Nara | CCPS |
LEADERSHIP AND CULTURE

LEADING THE IMPLEMENTATION OF PROCESS SAFETY
C. Castaneda | Equión
17:45 - 18:00 | Room 1

THE PERCEPTION OF PROCESS SAFETY CULTURE IN THE OIL AND GAS INDUSTRY UNDER THE VISION OF HSE EXPERTS
H. L. S. Oliveira, G. B. A. Lima, and M. G. F. Kämpffe | Universidad Federal de Fluminense
18:00 - 18:15 | Room 1

PROCESS SAFETY TECHNOLOGY

USE OF PLANT 3D MODELLING FOR VALIDATION OF FIREFIGHTING SYSTEMS
Valeria Puértolas | YPF
18:15 - 18:30 | Room 1

COMMON ERRORS IN THE SELECTION AND DESIGN OF RELIEF DEVICES
Andrea Gota | Dow Argentina
18:30 - 18:45 | Room 1

MECHANICAL INTEGRITY

BRITTLE SCENARIOS PROCESS HAZARDS ANALYSIS (PHA) USING METHOD BASED ON API 579 (RECOMMENDED PRACTICE FOR FITNESS-FOR-SERVICE)
Paula Faggion | HES, Braskem
17:45 - 18:00 | Room 2

PERFORMANCE INDICATORS (KPI): THE CHALLENGE OF MEASURING AND MAINTAINING THE INTEGRITY OF THE SIS
Andreina Cabeza and Romel Rodríguez | CSF
18:00 - 18:15 | Room 2

MECHANICAL INTEGRITY “MANUAL STEEL TOOLS CAN GENERATE THE IGNITION OF AN EXPLOSIVE ATMOSPHERE” MYTH OR REALITY? LET’S SEE THE TESTS
Nicolas Minguez Sr and Leandro Erthal | Proyelco and Petrobras
18:15 - 18:30 | Room 2

PROCESS SAFETY TECHNOLOGY

INCREASE PERFORMANCE AND SAFETY BY INVESTING IN THE HUMAN ASSET
Verónica Turner | Honeywell
18:30 - 18:45 | Room 2
SEPTEMBER 12TH

MANAGEMENT OF CHANGE

THE USE OF LOPA METHOD TO DEMONSTRATE CORRECT INSTALLATION OF PSVS
German A. Luna-Mejias | LUPATECH LTD
17:30 - 17:45 | Room 1

MANAGEMENT OF CHANGE (MOC) - A NEW OPPORTUNITY IN EQUION ENERGÍA
Stefano Pagani, Jaime Rodríguez | Equión
17:45 - 18:00 | Room 1

MANAGEMENT OF RELIEF DEVICES IN PROJECTS
Claudio F. Gadomski | Shell C.A.P.S.A.
18:00 - 18:15 | Room 1

LESSONS LEARNED

SUPERVISION BASED ON CRITICALITY: GUARANTEEING THE SAFETY OF THE POPULATION
Juan De Tomas Sanchez and Nicolas Miguez | OSINERGMIN y PROYELCO
18:15 - 18:30 | Room 1

EMERGENCY MANAGEMENT

OFFSHORE ENVIRONMENTAL PRE-PLANNING IN THE GULF OF MEXICO
D. Formica Sr. | “Pan American Energy LLC HSE, Buenos Aires, Argentina NFPA, Argentina Chapter”
17:30 - 17:45 | Room 2

REVISITING THE FINANCIAL IMPACT OF MAJOR ACCIDENTS IN CHEMICAL PLANTS, THE NEED TO DEVELOP NEW METRICS ON FINANCIAL LOSSES AND COMMUNICATION STRATEGIES TOWARDS SHAREHOLDERS OR FINANCIAL DECISION MAKERS.
M. A. Medrano | RSC, Mexico
17:45 - 18:00 | Room 2

RISK IDENTIFICATION AND MANAGEMENT

BOW TIE AS A TOOL FOR MANAGING SIGNIFICANT SCENARIOS IN DRILLING AND WELL COMPLETION OPERATIONS
J. Herberth Sr. | YPF
18:00 - 18:15 | Room 2

PERSPECTIVE ON THE REGULATION OF MAJOR ACCIDENTS IN COLOMBIA AND THE ROLE OF THE INDUSTRY IN RISK MANAGEMENT
Maria Montoya, Julián Camargo, Carlos Nieves | CENIT Transporte
18:15 - 18:30 | Room 2