

# Program Grid MONDAY, SEPTEMBER 15

<b>7:00 AM</b>	<b>Registration &amp; Badge Pick-Up</b> Location: Gran Hall		
<b>8:30 AM</b>	<b>Opening Session</b> <b>Welcome and Introduction</b> Presented by: <b>Scott Berger</b> , <i>Executive Director, CCPS</i> and <b>Orlando Acosta</b> , <i>Latin America Regional Manager, CCPS</i> <b>Keynote Presentation: Transforming the Future of Process Safety in YPF</b> Presented by: <b>Daniel Oscar Palomeque</b> , <i>HSE Vice President, YPF</i> Location: Fiestas		
<b>9:30 AM</b>	<b>Coffee Break</b> • Location: Gran Hall		
	<b>TRACK 1</b> Location: Fiestas	<b>TRACK 2</b> Location: Colonial	<b>TRACK 3</b> Location: Dorado
	<b>Hazard Identification and Risk Management</b> Co-Chairs: Jatin Shah – <i>BakerRisk</i> Juan Schijman – <i>Pluspetrol</i>	<b>Process Safety Culture I</b> Co-Chairs: Mary Stella Corsaro – <i>Pluspetrol</i> Marcelo Fernandez – <i>Praxair</i>	<b>Process Safety in the Upstream Industry</b> Co-Chairs: Pablo Zunana – <i>Pan American Energy</i> Ricardo Ceskiavikus – <i>YPF</i>
<b>10:00 AM</b>	<b>Optimizing Process Hazards Analysis Work through Combined Methodologies</b> Mario Fantazzini, Eduardo Francisco – <i>Dupont</i>	<b>Systematic Approximation to the Root Cause of Process Safety Events</b> Guillermo Herrera – <i>Equión Energía</i>	<b>Identification and Management of Critical Safety Equipment in Drilling Operations and Well Intervention</b> José Báez – <i>Equión Energía</i>
<b>10:30 AM</b>	<b>Management of Major Accidents</b> José Báez – <i>Equión Energía</i>	<b>Integrating Personal and Process Safety: Creating World-Class Process Safety Culture and Leadership</b> Emilia Gempeler – <i>JMJ Associates</i>	<b>How Reliable Are the Barriers to Prevent Major Risks in Well Drilling?</b> Claudio Castañeda – <i>Equión Energía</i>
<b>11:00 AM</b>	<b>Multiple Failures Risk Assessment</b> Sandro R. R. O. França – <i>Braskem</i>	<b>Beyond the Signs of Catastrophic Incidents</b> Antonio Abril, Nelson Mejia Sr. – <i>Equión Energía</i>	<b>Determination of Consequence Areas for Simultaneous Operations of Well Drilling and/or Intervention</b> José Báez – <i>Equión Energía</i>
<b>11:30 AM</b>	<b>Vision 20/20</b> — Presented by: <b>Scott Berger</b> , <i>Executive Director, CCPS</i> Location: Fiestas		
<b>12:00 PM</b>	<b>Lunch</b> • Location: Florida, Galería, Retiro, San Marfín		
	<b>Process Safety for Senior Management</b> Co-Chairs: Federico Caldora – <i>Pan American Energy</i> Marcela Recaman – <i>Equión Energía</i>	<b>Tools and Methods I</b> Co-Chairs: Carlos Barrera – <i>Exponent</i> Ricardo Sampietro – <i>DuPont</i>	<b>Process Safety Related Technologies</b> Co-Chairs: Ignacio Jose Alonso – <i>Equión Energía</i> Tomas Guillen – <i>YPF</i>
<b>1:30 PM</b>	<b>Evaluate the Major Hazard Scenarios and Monitor How their Controls are Being Managed</b> Americo Diniz Carvalho Neto – <i>Braskem</i>		<b>Quick-Start Guide of Cyber Security for SCADA and Industrial Control and Safety Systems</b> Jonathan de los Santos Sr., Alejandro Esparza – <i>Exida</i>
<b>2:00 PM</b>	<b>Improving Process Safety Management Systems</b> David Moore – <i>AcuTech Consulting</i>	<b>3D Fire and Gas Detector Coverage Mapping. Application of ISA-TR84.00.07: A Worked Example</b> Jimmy Jarufe – <i>RSF Consultores</i>	<b>Autonomous Remote Gas Detection Using Optical Imaging Technology</b> Jonathan Morris – <i>Providence Photonics, LLC</i> Hazem Abdel-Moati – <i>ExxonMobil</i>
<b>2:30 PM</b>	<b>Process Safety: Is It Time to Broaden the Angle?</b> Vergenie Aude Luppi – <i>Instituto Tecnológico de Buenos Aires</i>	<b>Management of Planned Safety Observations – SP Indicators</b> Ricardo Ceskiavikus, Luis Landa – <i>YPF</i>	<b>Use of Ultrasonic Technology for an Effective Detection of Gas Leaks</b> Mauricio Romero – <i>Emerson Process Management</i>
<b>3:00 PM</b>	<b>Coffee Break</b> • Location: Gran Hall		
<b>3:30 PM</b>	<b>Safety Communication: What Works Best</b> — Presented by: <b>TJ Larkin</b> , <i>Larkin Communication</i> Location: Fiestas		

# Program Grid TUESDAY, SEPTEMBER 16

8:30 AM	<b>The Human Factor</b> — Presented by: Gaston Remy, <i>President, Dow Argentina</i> Location: Fiestas		
9:30 AM	<b>Coffee Break</b> • Location: Gran Hall		
	<b>TRACK 1</b> Location: Fiestas	<b>TRACK 2</b> Location: Colonial	<b>TRACK 3</b> Location: Dorado
	<b>Risk Management Process I</b> Co-Chairs: Eduardo Francisco – <i>DuPont</i> Ignacio Jose Alonso – <i>Equión Energía</i>	<b>Reliability and Mechanical Integrity</b> Co-Chairs: Cecilia Albertini – <i>Pan American Energy</i> Martin Zuzek – <i>Pluspetrol</i>	<b>Process Safety Implementation in Design</b> Co-Chairs: Nestor Sposito – <i>CCPS</i> Luis Landa – <i>YPF</i>
10:00 AM	<b>Utilization of Risk Analysis Techniques and Accident Investigation Tools Under the Lens of Process Safety: A Study with Companies of a Port City</b> Armando A. M. Campos – <i>Pontificia Universidade Católica do Paraná</i>	<b>Changing the Priority of Mechanical Integrity and Quality Assurance in Our Organization</b> Rosa Romero Bayona – <i>Ecopetrol</i>	<b>Strategies for Structural Design of Buildings Subject to Blast Loads</b> Ernesto Gasulla – <i>Baker Engineering and Risk Consultants, Inc.</i>
10:30 AM	<b>Risk in the Chemical and Process Industries: From Personal Actions to the Risk Matrix</b> Carlos Barrera – <i>Exponent</i>	<b>Operational Permissives and ISA 84 – The Future of Functional Process Safety</b> Luis Garcia – <i>Siemens</i>	<b>Safety Aspects in “Ship to Ship” (Transference of Liquid Natural Gas Ship to Ship)</b> Juan Haitzaguerre – <i>YPF</i>
11:00 AM	<b>Process Safety and Transfer to Insurance</b> Diego Formica – <i>Pan American Energy</i>	<b>Management of Maintenance of Safety Valves at UG Acambuco</b> Rodolfo Orlando Ardaya, Fernando Squartini – <i>Pan American Energy</i>	<b>Flat Torch Project</b> Lía Constanza Di Bartolo – <i>Dow Argentina</i>
11:30 AM	<b>Risk Identification in Unit Stoppage Jobs</b> Juan Manuel Fernandez Becerra, Daniel Javier Flores – <i>Complejo Industrial Plaza Huincul YPF</i>	<b>Mechanical, Structural, and Acoustic Finite Element Analysis</b> Miguel Páez – <i>Pan American Energy</i>	<b>Process Safety Plan in Project Development</b> Ignacio Jose Alonso – <i>Equión Energía</i>
12:00 PM	<b>Lunch</b> • Location: Florida, Galería, Retiro, San Marfín		
	<b>Indicators and Metrics of Process Safety</b> Co-Chairs: Nestor Graff – <i>Pan American Energy</i> Andrés Hugo Pelegrina Canosa – <i>Compañía Mega</i>	<b>Consequence Analysis I – Explosions</b> Co-Chairs: Mariano Figlioli – <i>YPF</i> Trey Morrison – <i>Exponent</i>	<b>Tools and Methods II</b> Co-Chairs: Carlos Barrera – <i>Exponent</i> Ricardo Sampietro – <i>Dupont</i>
1:30 PM	<b>Implementing Process Safety Indicators in the Industrial Complex of Camaçari, Bahia, Brazil</b> Lucy de Jesus – <i>Braskem</i>	<b>Modeling Dispersion and Vapor Cloud Explosion Related to Overfill Tank Events: The Buncefield Tank 912 Case</b> Jimmy Jarufe – <i>RSF Consultores</i>	<b>Managing Management of Change</b> Jack Chosnek – <i>KnowledgeOne</i>
2:00 PM	<b>Management Indicators to Support Cultural Change in Process Safety. Prospective Analysis of API Standard 754</b> Gerardo Daniel Abalde – <i>Axion Energy</i>	<b>Application of a Semi-Quantitative Risk Analysis Methodology for Risk Analysis of Dust Explosions</b> Franz Zdravistch – <i>Gexcon AS</i>	<b>Living Process Safety from Instrumentation and Control Projects</b> John Rueda – <i>Equión Energía</i>
2:30 PM		<b>Analysis of Explosion Consequences Using CFD Tools</b> Stella M. Tonelli – <i>Planta Piloto de Ingeniería Química, UNS, CONICET</i>	<b>Integrating an HSE Management Model – Process Safety</b> Fernando Correa – <i>Mansarovar Energy</i>
3:00 PM	<b>Coffee Break</b> • Location: Gran Hall		

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# Program Grid TUESDAY, SEPTEMBER 16

	Management of Change Co-Chairs: Carlos Barrera – <i>Exponent</i> Alejandro Garcia – <i>YPF</i>	Operational Discipline Co-Chairs: Americo Diniz Carvalho Neto – <i>Braskem</i> Marcos González – <i>Praxair</i>	Process Safety Education Co-Chairs: Ricardo Sampietro – <i>DuPont</i> Trey Morrison – <i>Exponent</i>
3:30 PM		Operational Safety Controls in Asset Management Jeferson Chedid – <i>AVEVA</i>	Breaking the Myths about Where and When to Teach Process Safety: A Call to Action Nestor Sposito – <i>CCPS</i>
4:00 PM	Risk Management of Safety and Environment During Changes Rafael Boschi Sr. – <i>YPF</i>	Transforming Culture with Operational Discipline: Challenges and Key Factors for Success Jorge Noy – <i>Ecopetrol</i>	Experience of the Universidad de los Andes, Teaching Production Safety Felipe Muñoz – <i>Universidad de los Andes</i>
4:30 PM	Management of Modification and Reutilization of Facilities Usage Sergio Fernandez Sr. – <i>Pan American Energy</i>	Continuous Improvement and Root Cause Analysis in Process Safety Augusto Constantino Sr. – <i>Sologic</i>	The Development of Competency as a Critical Factor for Process Technology Implementation Rafael Camerano Sr. – <i>Ecopetrol</i>
5:00 PM	Reception & Poster Session Location: Gran Hall		



## Call for Abstracts Open for the 11<sup>TH</sup> GLOBAL CONGRESS ON PROCESS SAFETY

April 26 – 29, 2015 • Hilton Austin • Austin, TX, USA

**Abstract Submission Deadline: October 1, 2014**

Presented by the Center for Chemical Process Safety (CCPS) and the AIChE Safety & Health Division, the Global Congress on Process Safety has grown into the world's largest gathering of process safety experts.

The program will include the following tracks:

- Regional Perspectives on Process Safety from Around the Globe\*
- 17<sup>th</sup> Process Plant Safety Symposium (PPSS)
- 30<sup>th</sup> Center for Chemical Process Safety (CCPS) International Conference
- 49<sup>th</sup> Annual Loss Prevention Symposium (LPS)
- 4<sup>th</sup> Process Safety Management Mentoring (PSM<sup>2</sup>) Forum
- Process Safety Spotlights
- Design Institute for Emergency Relief Systems (DIERS) Symposium

For instructions on how to submit an abstract, visit [www.aiche.org/GCPS](http://www.aiche.org/GCPS).

**For questions on the GCPS, please contact:**

**Rainer Hoff**  
2015 Global Congress Chair, GCPS  
GCPS\_chair@aiche.org

**Jing Chen**  
2015 GCPS Conference Manager  
jingc@aiche.org

\*Track includes Spanish and Portuguese sessions.

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# Program Grid WEDNESDAY, SEPTEMBER 17

	TRACK 1 Location: Fiestas	TRACK 2 Location: Colonial
	<b>Risk Management Process II</b> Chair: Jatin Shah – <i>BakerRisk</i>	<b>Fires, Explosions, and Reactive Chemicals</b> Chair: Eduardo Francisco – <i>DuPont</i>
8:00 AM	Implementation of Braskem's Corporate Risk Management Procedure to a Polymer Industrial Unit in the South of Brazil Heitor Rossetti – <i>Braskem</i>	Rail Transportation Risk Assessment Comparison: Ethanol Versus LNG Trey Morrison – <i>Exponent</i>
8:30 AM	Supervision and Accounting of Process Safety Systems – Osinergmin Haroldo Castañeda Sr. – <i>Osinergmin</i>	Venting to a "Safe Location" Manuel Herce, Eduardo Francisco – <i>DuPont</i>
9:00 AM	Risk Assessment of the Ammonia Leak in Cooling Section of the New Ammonia Plant for the Plan for Emergency Response Control for Commissioning and Start-up of the New Plant Ammonia of the Morón Petrochemical Complex Using the Simulation Tool PHAST 6.7 Juan Duarte Sr. – <i>Petroquímica de Venezuela S.A.</i>	Estimation and Analysis of Consequences Associated with Jet Fire of Methanol Due to Leakage in the Valve HV-05-071 Associated with the Marine Loading Arm 05-M1a-0504, Located on the Platform of Liquid of the Petrochemical Complex Jaa Using PHAST 6.7 Ruben Garcilazo Sr. – <i>Fertinitro</i>
9:30 AM	<b>Coffee Break</b> • Location: Gran Hall	
	<b>Process Safety Culture II</b> Co-Chairs: Marcelo Fernández – <i>Praxair</i> Mary Stella Corsaro – <i>Pluspetrol</i>	<b>Consequence Analysis II - Toxics</b> Co-Chairs: Trey Morrison – <i>Exponent</i> Mariano Figlioli – <i>YPF</i>
10:00 AM	The Relationship Between Religiosity and Process Safety Culture Farheen Khan – <i>Exponent, Inc.</i>	Consequences Analysis Associated with Chlorine Leak (1-ton cylinder) for Damage or Deterioration of its Connectors in the Chlorine Storage Area of Pequiven, Located at the Petrochemical Complex Jose Antonio Anzoátegui, Using Simulation Package PHAST 6.7 Juan Duarte Sr. – <i>Petroquímica de Venezuela</i>
10:30 AM	I'm Also Going to Work in Process Safety Today Roger Muñoz, Stefano Pagani – <i>Equión Energía</i>	Risk Assessment Associated with the Failure of the Safety Instrumented Function of the Reactor of Methanation (I-6 / I-351) on the Ammonia Plant (Station II) from Nitrogenous Fertilizer, Fertinitro CEC, Located in Venezuela, Using the Simulation Package PHAST RISK 6.7 Juan Duarte Sr. – <i>Petroquímica de Venezuela</i>
11:00 AM	Work Permit: The Last Barrier Jose Sanmiguel Sr. – <i>OPMS Consulting</i>	Consequences Evaluation Study of the Ammonia Storage Plant with Level of Impact in Terms of Fatalities and Input Information to Vulnerability Study Using the Simulation Tool PHAST 6.7 Alvaro Pastrana Sr. – <i>Monomeros Colombo Venezolanos</i>
11:30 AM	<b>Human Factors and Human Performance: Lessons Learned from the FIFA World Cup</b> Presented by: Scott Berger, <i>Executive Director, CCPS</i> Location: Fiestas	
12:00 PM	<b>Lunch</b> • Location: Florida, Galería, Retiro, San Martín	
	<b>Case Histories and Lessons Learned</b> Co-Chairs: Gustavo Correa – <i>YPF</i> Nestor Sposito – <i>CCPS</i> Location: Fiestas	
1:30 PM	Water Tanks Also Explode Maria Elena Calvachi, Carina Sandoval – <i>Ecopetrol</i>	
2:00 PM	Addressing the Problem of Repeated Plant Accidents in Process Pumps Alfredo Verna – <i>Arthur D. Little</i>	
2:30 PM	Understanding and Managing the Often-Ignored Fire and Explosion Hazards of Industrial Air Systems Juan Ramirez, Trey Morrison – <i>Exponent</i>	
3:00 PM	<b>Coffee Break</b> • Location: Gran Hall	
3:30 PM	Loss of Natural Gas Containment at a Sweetener Plant Pablo Zunana – <i>Pan American Energy</i>	
4:00 PM	Incidents Occurred in the LNG Industry Juan Haitzaguerre – <i>YPF</i>	
4:30 PM	Petroleum Plant Fire Pump Failure Sergei Sidorenko – <i>Pan American Energy</i>	
5:00 PM	<b>Closing Remarks</b> — Presented by: Gustavo Correa, <i>YPF</i>	

## ◆ Poster Session

- ◆ **Application of the Bayesian Theory on Risk Analysis in the Biodiesel Production Process, for Estimating the Probabilities of Occurrence of Accidental Events**  
Rafael Amaya Gómez – *Universidad de los Andes*
- ◆ **PHA Facilitation and Teamwork Dynamics: Or Why Not All HAZOPs are Created Equal**  
Carlos Barrera – *Exponent*
- ◆ **Becoming a World-Class HSE Organization**  
Jack Chosnek – *KnowledgeOne*
- ◆ **How to Minimize Process Safety Risk on Specialty Chemicals Contract Manufacturing Purchase for Resale Operations**  
Eduardo Francisco, Manoela Morais, Heloisa Batista – *DuPont*
- ◆ **Incorporating Safety During Process Design**  
Krishnarao Guntu – *Kuwait Oil Company*
- ◆ **Resilience Methodology for the Petroleum Supply Chain – an Approach Using the Radio Frequency (RFID) Technology**  
Sergio Hoeflich – *Universidade de São Paulo*
- ◆ **An Integral Model for Basic Analysis of Liquid Hydrocarbon Dispersion on Soil, Estimation of Emergency Response Times and Geologic Risk Assessment to Locate Sectioning and Check Valves on Onshore Pipelines Projects**  
Marco-Antonio Medrano – *S2R*
- ◆ **Internal Corrosivity Studies in Oil Pipelines of the Golfo San Jorge Field**  
Luis Gonzalo Muñoz Sr. – *Pan American Energy*
- ◆ **Probabilistic Calculation of Threshold Distances of Impact on People and Structures Produced by Risk Scenarios in Transport of Combustible Materials through Ducts. Pit Explosion and Fire Scenarios**  
Felipe Muñoz – *Universidad de los Andes*
- ◆ **Leak Management with a FLIR Camera**  
Sebastian Pascual Romero – *Pan American Energy*
- ◆ **SIS Implementation in Dow Argentina**  
Mario Luis Vidili – *Dow Argentina*

