

Monday, August 17, 2020			
10:00 – 11:00	2020AIChE Spring Meeting and 16th GCPS AGILE Award Keynote Address AGILE Award Keynote Address: “ Beyond the Horizon: The Factors and Forces Affecting the Global Petrochemical Industry ” Presented by Bhavesh V. (Bob) Patel , Chief Executive Officer, LyondellBasell		
11:30 – 12:30	GCPS Welcoming Plenary Session Plenary Keynote Address Presented by Shakeel Kadri , Executive Director & CEO, CCPS – “ Does Age Really Matter? ”		
13:30 – 14:30	Frontlines of COVID-19: Lead, Learn and Cure Moderator: Ana Davis, Syngenta Panelist: <ul style="list-style-type: none"> • Dave Payne, Chevron • Steve Klejst, U.S. Chemical Safety and Hazard Investigation Board • Cornelius Clancy, University of Pittsburgh 		
15:00 – 16:00	Networking Hour		
	35th Center for Chemical Process Safety International Conference (CCPS)	22nd Process Plant Safety Symposium (PPSS)	9th Process Safety Management Mentoring (PSMM)
	<i>Session #165: Beyond Compliance in Both Covered and Non-Covered Facilities</i> Co-Chairs: Sean J. Dee, Steve Hawkins	<i>Session #169: Happy Hour with Yoda: In a dark place we find ourselves, and a little more knowledge lights our way</i> Co-Chairs: Josh Moyers, Katherine Prem	<i>Session #176: PPSS tutorials II: Extending Safety Beyond the First Stage</i> Co-Chairs: Wayne Garland, Davide Moncalvo
16:00 – 16:20	Development of a Process Safety-Based, Process Design Ragagep for Midstream Facilities Sam Aigen <i>AcuTech</i>	Panelist: Scott Berger <i>Scott Berger and Associates, LLC</i> Michelle Brown <i>FMC</i> Greg Kühne , <i>BASF</i> Louisa Nara <i>CCPS</i>	ALARP Demonstration: The How to Guide Graham Bower-White <i>TSRHorizons Consulting</i>
16:20 – 16:40	And Now for Something Completely Different - Part 2 Michael P. Broadribb <i>BakerRisk</i>		No Resources for Process Safety; The Dog Ate My Homework James Martin <i>Corteva</i>
16:40 – 17:00	Process Safety in the Upstream Industry Robin Pitblado <i>DNV GL</i>		
17:00 – 17:30	Safety & Health Division Keynote Address for Non-Division Members American Chemistry: Driving Progress through Performance Presented by: Chris Jahn, President and CEO of the American Chemistry Council (This presentation will also be available for the Safety & Health Division annual meeting and virtual dinner August 18, 2020)		

Tuesday, August 18, 2020					
9:30 – 10:15	Matt Loeb , CEO, Securing Enterprises via Cybersecurity Understanding, Resiliency & Education (SECURE). “ Securing Enterprises via Cybersecurity Understanding, Resiliency, and Education ”				
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	<i>Session #14: Managing Hazards Throughout the Manufacturing Lifecycle</i> Co-Chairs: Andrew Goddard, Lauren Moyer	<i>Session #10: Combustible Dust Hazards and Their Mitigation</i> Co-Chairs: Farzin Sabet, Manuel Herce	<i>Session #12: "I Just Didn't Think" - Improving Situational Awareness</i> Co-Chairs: Kathy Shell, Chip Howat	<i>Session #100: The Day PSM Hit Home</i> Co-Chairs: Chris Israni, Faraz Khan	<i>Session #15: Spanish Session: Gestion del la seguridad de procesos con base en riesgo</i> Co-Chairs: Eliana Berroteran, Juan Fernandez
11:00 – 11:20	Ergonomics in the Design Process – the Missing Link Mark Hansen <i>Contek Solutions LLC</i>	NFPA 652: The Gap between Industry’s Understanding and Compliance Vahid Ebadat <i>Stonehouse Process Safety</i>	Using Post -Incident Behavioral Analysis Techniques to Compliment Incident Investigations Jennifer McDonald <i>W.R. Grace</i>	The Day After... Bradford M. Lirette <i>Marathon Petroleum</i>	Un Error Humano?!!!!.Caso De Estudio De explosión De Un Recipiente De Condensado Nestor H. Sposito <i>CCPS Staff Consultant</i>
11:20 – 11:40	Leveraging Process Safety Techniques in Early Phases of Capital Projects to Optimize Risk Reduction and Project Costs Karen Vilas <i>BakerRisk</i>	On the Occurrence of Flame Instabilities during Dust Explosions Kees van Wingerden <i>GexCon</i>	Designing Operator Tasks to Minimize the Impact of Heuristics and Biases Dave Grattan <i>aeSolutions</i>	Make it Easy for Operators to do the Right Thing Nicole Loontjens <i>Americas Styrenics</i>	PSM-Road Map: La Herramienta Tecnica Para Implementar Rbps Cesar Augusto Puma <i>Graña Montero Petrolera</i>
11:40 – 12:00	Is It Time for an Overhaul? Deciding between Short-Term and Long-Term Solutions in Aging Infrastructure Sean Dee <i>Exponent, Inc.</i>	Numerical modelling of pressure piling using OpenFOAM Damilare Ogungbemide <i>Jensen Hughes</i>	Application of Mind Maps to Classify and Recall Potential Hazards Michael O’Connor <i>Texas A&M University</i>	Where Process Safety and Emerging Technology Intersect Michael Hallgarth <i>Flint Hills Resources</i>	Oiem LPG Company Luis donoso Roblero <i>abastible s.a.</i>
12:00 – 13:00	Networking				

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	<i>Session #33: Vision 20/20 - Successes from the Last Decade</i> Co-Chairs: Fred Henselwood, Tracy Whipple	<i>Session #26: Emerging Topics and Technologies I</i> Co-Chairs: Seshu Dharmavaram, Lisa Long	<i>Session #25: Effective Management Review for Continuous Improvement</i> Co-Chairs: Jack Chosnek, Michael Hudec	<i>Session #141: "What I need to know when I get up in the morning"</i> Co-Chairs: Scott Haney, Stephen Zhang	<i>Session #32: Spanish Session: Análisis de riesgo y toma de decisiones</i> Co-Chairs: Eliana Berroteran, Matias A. Massello
13:30 – 13:50	Holy Cow, It's 2020! Now What do I do? Jack McCavit <i>JL McCavit Consulting, LLC</i>	AI As Ally Scott Kimbleton <i>IBM</i>	What Has Your Management System Done for You Lately? Megan Weichel & Tone Rice <i>DNV GL</i>	Process Safety Mentoring Panelist:	Proyecto de formación de Líderes de PHA internos Pablo Gonzalez <i>Pan American Energy</i>
13:50 – 14:10	Improving Industry Process Safety Performance through Responsible Collaboration Alyse Keller <i>AFPM</i>	Asset Digital Twins – Integrating Process Safety Zoë Wattis <i>DNV GL</i>	Use of Live Barrier Health Models to Proactively Manage Risk Rae-Ann Joseph, Michelle Aquing <i>Atlantic LNG Company of Trinidad and Tobago</i>		Rose Tool: Una herramienta para aprender a través del fracaso en integridad de activos en plantas de Oil and gas Cesar Augusto Puma <i>Graña Montero Petrolera</i>
14:10 – 14:30	PSM 'towards Zero' - Ptt Group Barrier Management Journey - Case Study Stuart Chia <i>Sherpa Consulting</i>		Preventing Serious Injuries and Fatalities: Lessons learned from Personnel Safety Kristen Bell <i>Krause Bell Group</i>	Daniel Crowl <i>Michigan Tech</i>	Aplicacion De Bowties Para SIF-ALARP De Eventos Mayores En El Golfo De Mexico Jose Monroy <i>ERM</i>

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	<i>Session #53: Vision 20/20 - Visions of the Future</i> Co-Chairs: Don Connolley, Jeff Fox	<i>Session #47: Emerging Topics and Technologies II</i> Co-Chairs: Seshu Dharmavaram, Lisa Long	<i>Session #52: Training the Next Generation of Operators</i> Co-Chairs: Nicole Loontjens, Ian Mylenbusch	<i>Session #120: What Should be Keeping You Up at Night But Isn't</i> Co-Chairs: Bill Mosier, Lisa Long	<i>Session #51: Spanish Session: Análisis de consecuencias y planes de emergencia</i> Co-Chairs: Eliana Berroteran, Herber Varela
15:00 – 15:20	Vision 20/20 – Shaping the Future of Process Safety Anne O'Neal <i>Chevron</i>	Minimizing Human Error in PHA Documentation Carol Li <i>Risk Sciences</i>	Modernize Learning with AI, XR and Microlearning Coral Siminovich <i>AVEVA</i>	Near Miss Incident Case Study – Loss of Reactor Cooling Wayne Garland <i>Eastman Chemical Company</i>	Integracion De La gestión De Emergencia Durante La Etapa De Diseño Alejandro Jimenez
15:20 – 15:40	Process Safety Academic Education a Path Forward T Michael O'Connor <i>Mary Kay O'Connor Process Safety Center</i>	Chatbot – Assisting Digital Procedure Adherence Nilesh Ade <i>Texas A&M University</i>	University Engagement to Improve Safety Education Kok Hwa Lim <i>Singapore Institute of Technology</i>	Lessons Learned from Scenarios Found during PHA of Startup, Shutdown, and Online Maintenance Stephen Bridges <i>Process Improvement Institute, Inc.</i>	Sistema de Gestion de Contingencias y Manejo de Crisis en el Sector Petroleo y Gas Alberto Casco <i>Casco Consulting Group</i>
15:40 – 16:00	Beyond Vision 20/20 Billy B Bardin <i>The Dow Chemical Company</i>		AFPM Immersive Learning Danny Forest <i>AFPM</i>	"We Must be Safe, Right? We Had a PHA": Effectively Crafting and Implementing PHA Recommendations Richard Carter <i>ACM Facility Safety</i>	
16:00 – 16:30	Networking				

Wednesday, August 19, 2020					
9:30 – 10:15	Thomas Munoz , Emergency Manager and Homeland Security Director, City of Texas City “When Disasters Happen: A Collaborative Approach Towards the Community’s Recovery Process”				
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	Session #69: How to Achieve What Seems Impossible - Zero Incidents Co-Chairs: Rob Coover, Chris Israni	Session #64: Engineered Safeguards: Pressure Relief and Safety Instrumented Systems I Co-Chairs: Trey Morrison, Kathleen Kas	Session #73: Preventing LOPCs from Piping Systems Co-Chairs: Fred Gregory, Lydia Wilkinson	Session #62: CCPS Tutorials in Process Safety I: The Tenets of Vision 20/20 – Focus on Process Safety Co-Chairs: Jennifer Mize, Brent Cox	Session #78: Spanish Session: Sistemas instrumentados Co-Chairs: Eliana Berroteran, Manuel Herce
11:00 – 11:20	MOC: Guilty until Proven Innocent John Herber CCPS	A Staged Approach to Relief System Design for Reactive Materials Benjamin Doup Fauske	Reduction of Loss of Process Containment (LOPC) in Refinery – A to B Journey Bejoy Bharatiya Saudi Aramco Shell Refinery Company	Vision 2020 Introduction Jeff Fox	Seguridad Cibernetica y Seguridad Funcional, Un Enfoque Global y Pragmatico Alejandro Esparza Exida
11:20 – 11:40	Let's Prevent at Start! PSM from Concept to Commissioning - KOC Way Majed Al-Mutairi Kuwait Oil Company	Modeling Pressure Relief Devices Mounted on a Common Inlet Manifold Neil Prophet ioMosaic	Asset/Mechanical Integrity – A PSM Element that Still Bedevils Michael Hazzan AcuTech Group, Inc.	Committed Culture Fred Henselwood Nova Chemical	Mejorando La Integridad De Las Funciones De Paro De Pozo Por Alta Presion Pablo Levi Pan American Energy
11:40 – 12:00	50 Million Safe Man-Hours without a Lost Time Incident - a Success Story Usman Ali Fatima Fertilizers Company Limited	Undesired Effects of Relief Systems Concerns Mitigations Waheed Wakil Smith & Burgess LLC	Technical Drive at Maintenance Pillars (TPM) to Boost PS Performance Balajee Raman Ecolab Ltd	What Makes a Management System "Vibrant"? Gregg Kühne BASF	Estamos Listos Para Operar y Mantener Nuestros Sistemas Instrumentados De Seguridad? Romel Rodriguez CSF
12:00 – 13:00	Networking				

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	<i>Session #93: Maximize Value from your Process Safety Learnings</i> Co-Chairs: Rainer Hoff, Michell LaFond	<i>Session #85: Engineered Safeguards: Pressure Relief and Safety Instrumented Systems II</i> Co-Chairs: Trey Morrison, Kathleen Kas	<i>Session #92: LOPA in Action: Protection Layer Integrity Management</i> Co-Chairs: Philip M. Myers, Ray Mentzer	<i>Session #147: CCPS Tutorials in Process Safety II: The Tenets of Vision 20/20 – Are You Seeing Clearly?</i> Co-Chairs: Don Connolley, Matthew Walters	<i>Session #136: Portuguese Session: Gestão da Segurança de Processos baseada em Risco</i> Co-Chairs: Luana Santos, Andres F. Valencia
13:30 – 13:50	Process Safety Near Misses Are Warning Signs for a Major Incident Rajender Dahiya <i>AIG</i>	Best Practices for Loading/Unloading Hoses to Enhance Active Independent Protection Layers Daylen Borders <i>Smart-Hose Technologies</i>	Implementing LOPA in a Global Organization Katherine Pearson <i>BP</i>	Disciplined Adherence to Standards John Champion <i>The Dow Chemical Company</i>	Crisis Management in the Minas-Rio Pipeline Incident: The Case Study of the Mining Industry Alan Burdin <i>Independent Consultant</i>
13:50 – 14:10	Incident Investigation Is Not Root Cause Analysis David Hietala <i>Exponent Inc.</i>	Connected Worker: Digital Rounds and Checklists Jordan Oligmueller <i>AdvanSix</i>	Making Sure Initiating Events (IEs) and Independent Protection Layers (IPLs) are Included in Integrated Management Systems William Bridges <i>PII</i>	Intentional Competency Development – What can YOU do? Wayne Chastain <i>Eastman Chemical</i>	Human Factor approach to Process Safety in the Offshore area using FRAM Josué E. Maia França <i>Petrobras / UFRJ</i>
14:10 – 14:30	Operational Learning - When Does It Start and When Does It End? Chelsea Miller <i>Chevron</i>		Two Full Capacity Generators – Why is the Calculated Emergency Power System PFD So High? Art Dowell III <i>PII</i>	Can We Really Learn from the Experience of Others? How Shared Learnings Can Become Actual Change Peter Lodal	Show Me Your Numbers and I Will Tell You Who (and how safe) You Are "Diga-Me Seus Numeros e Eu Lhe Direi Se Voce Esta Realmente Seguro" Monica Hochleitner <i>SIS SILverstone</i>
15:00 – 16:00	Poster Session				
16:00 – 16:30	Networking				

Thursday, August 20, 2020					
9:30 – 10:15	Mark Johnson , Thomas F. Hash Endowed Chair in Sustainable Development & Professor of Materials Science, Clemson University “How to Secure Enterprises via Cybersecurity Understanding, Resiliency, and Education”				
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	<i>Session #112: Leadership in Process Safety from the Shop Floor to the Board Room I</i> Co-Chairs: Jessica Albert, San Burnett	<i>Session #106: Facility Siting, Consequence Analysis, and Risk Assessment I</i> Co-Chairs: Sam Rodgers, Amy Theis	<i>Session #113: Leading Indicators to Prevent Process Safety Incidents I</i> Co-Chairs: Rainer Hoff, Jim Martin	<i>Session #49: PPSS Tutorials in Process Safety I: Relief Systems & Change</i> Co-Chairs: Denise Chastain-Knight, Freeman Self	<i>Session #152: Japan's Process Safety Progress</i> Co-Chairs: Masaki Nakagawa, Tomoya Ohtani
11:00 – 11:20	An Approach at Risk Based Prioritization for Capital Projects Jennifer Brittain <i>AdvanSix</i>	The Impacts of Ignition Source Assumptions on Quantitative Risk Assessments Stewart Price <i>DNV</i>	Process Safety Index - an Objective, consistent Method for Evaluating the Balance between Hazards and controls David Hatch <i>Process Safety Integrity</i>	Flares Are the End of the Line; Selecting and Permitting Rimon Vallavanatt <i>Bechtel</i>	Study for Thermal Hazard Evaluation of Polymerizing Substance at Storage Tank Satoshi Matsue <i>Mitsubishi Chemical Corporation</i>
11:20 – 11:40	High Reliability Organizations - Application of US Nuclear Navy Extreme Operational Excellence Principles in the Oil and Gas Industry Bryan Lethcoe, High Reliability Group LLC	Human Reliability Analysis for Oil and Gas Operations: Analysis of Existing Methods Marilia Ramos & Camile Major <i>UCLA/Chevron</i>	The Journey Towards Zero Alarms - an Integrated Approach to Process Alarm Elimination Tony Downes <i>Honeywell Connected Plant</i>	Top Ten Questions to Ask about Pressure Relief Systems in a Process Hazard Analysis Todd W. Drennen & Adam D. Connor <i>BakerRisk</i>	Learning from procedure based HAZOP – Reinforce Process Safety Competency Masaki Iguchi <i>JXTG Nippon Oil & Energy Corporation</i>
11:40 – 12:00	My Lessons for Process Safety Leadership Trish Kerin <i>IChemE</i>	Is an Individual's Risk from a Pipeline Greater Than That from Other Common Risk Sources? Case Study from Delaware County, PA John Kill <i>G2 Integrated Solutions</i>		Management of Change (MOC) Basics for Plant Engineers Wayne Garland <i>Eastman Chemical Company</i>	
12:00 – 13:00	Networking				

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	<i>Session #133: Leadership in Process Safety from the Shop Floor to the Board Room II</i> Co-Chairs: Jennifer McDonald, Jennifer Mize	<i>Session #129: Facility Siting, Consequence Analysis, and Risk Assessment II</i> Co-Chairs: Sam Rodgers, Amy Theis	<i>Session #134: Leading Indicators to Prevent Process Safety Incidents – Session II</i> Co-Chairs: Vic Edwards, Jeff Stawicki	<i>Session #13: LPS Tutorials in Process Safety I: Connecting Mechanical Integrity to Consequences</i> Co-Chairs: Trey Morrison, Irfan Shaikh, Andrew Staszak
13:30 – 13:50	Safety Culture Leadership Journey: 1980-2030, from the Culture of Denial to Operational Discipline Martin Enrique Fernández <i>Whycomm</i>	Pressure Relief Location - a Hidden Hazard William Giang <i>PSRG</i>	Top Key Performance Indicators Measurable through Safety Instrumented Systems Caleb Mellbom <i>Schneider Electric</i>	Basics of Corrosion and Fracture Mechanics Eric Weishaupt <i>ESI</i>
13:50 – 14:10	A Case Study Demonstrating a Successful Plant Leadership Transition That Improved Process Safety Performance Richard N Knowles <i>Richard N. Knowles and Associates, Inc</i>	How Emergency Isolation Valves Can Effectively Mitigate the Consequences of Early Pool Fires Henrique Pimenta <i>FM Global</i>	Dynamic Safety Barrier Management System: A Practical Approach to Achieve Process Safety Excellence Ahmed Nagib <i>Egyptian LNG</i>	Common Failure Mechanisms and Failure Modes for Vessels and Piping John Norris <i>Stress Engineering Services, Inc.</i>
14:10 – 14:30	Process Safety Leadership from the Boardroom to the Frontline Kenan Stevick & Scott Berger <i>KPS Inc. & Scott Berger and Associates LLC</i>	Technical Analysis of Tents Sited in Accordance with API RP 756 Barry L. Bingham <i>BakerRisk</i>	Reducing Process Safety Incidents By Revamping Leading Safety Indicators at Fatima Fertilizers Limited Noman Irshad <i>Fatima Fertilizer Company Limited</i>	Mechanical Failure Mechanisms in Rotating Equipment Such as Mechanical Seals Mike Huebner <i>Flowserve</i>

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	<i>Session #143: Abnormal Modes of Operation - When the Risk Is the Highest</i> Co-Chairs: Eddie Dalton, John Wincek	<i>Session #150: Fires, Explosions, and Chemical Reactivity I</i> Co-Chairs: Katie Mulligan, Amy Gray	<i>Session #153: People as Safeguards</i> Co-Chairs: Brooke Beveridge, Neha Rajan	<i>Session #29: LPS Tutorials in Process Safety II: Connecting Mechanical Integrity to Consequences</i> Co-Chairs: Trey Morrison, Irfan Skaikh, Andrew Staszak
15:00 – 15:20	Safety-II: Resilience in the Face of Abnormal Operation Steve Cutchen <i>Retired: US Chemical Safety Board</i>	Hydrogen Compressor - Simulating Leaks & Explosion Impacts Jing Yu <i>Corteva</i>	When are Human IPLs Valid, and How are their PFDs Assured in Practice Wayne Chastain & William Bridges <i>Eastman Chemical Company & PII</i>	Characterizing Release Source Term and the Effects on Release Mechanisms SreeRaj R. Nair <i>Chevron</i>
15:20 – 15:40	Understanding and Managing the Risk during Transient Operations Bruce K. Vaughen <i>CCPS</i>	Liquid Jet Fire: Experiment, CFD Simulation, and Empirical Model Jin Zhao <i>BakerRisk</i>	A Human's Perspective on Human Factors in Bowtie Modeling Fabian Zitman <i>CGE Risk Management Solutions</i>	Estimating, Modeling, and Detecting Flammable and Toxic Releases Melissa Holliday <i>The Dow Chemical Company</i>
15:40 – 16:00	Abnormal Modes of Operation: a Risk-Based Focus William Bridges <i>PII</i>	NFPA 30 (2020): Practical Viewpoints to Ensure Code Compliance Michael Snyder <i>Dekra</i>	Operational Discipline is not Follow the Procedure Steve Cutchen <i>Retired: US Chemical Safety Board</i>	Preventing and Mitigating Toxic and Flammable Releases Jatin Shah <i>BakerRisk</i>
16:00 – 16:30	Networking			

Friday, August 21, 2020	
Session #186: Case Histories and Lessons Learned – GCPS Joint Session	
Co-Chairs: Jim Klein, Laura Ankrom, Mike Moosemiller	
9:30 – 9:50	Distillation Column Explosion <i>Brenton Cox, Russell Ogle & David Hietala, Exponent, Inc.</i>
9:50 – 10:10	Three Cases: Process Safety Fatalities and a Better Way to Communicate Findings to Employees <i>TJ Larkin, Larkin Communication</i>
10:10 – 10:30	Insights to the Columbia Gas Explosions Lawrence and North Andover, MA Sept. 13, 2018 <i>Ronald Willey, Northeastern University</i>
10:30 – 11:00	Break
Session #186: Case Histories and Lessons Learned – GCPS Joint Session	
Co-Chairs: Jim Klein, Laura Ankrom, Mike Moosemiller	
11:00 – 11:20	How Stressed Is Your Facility? Past Events Resulting from Structural Stress <i>Trish Kerin, IChemE Safety Centre</i>
11:20 – 11:40	The Phillips Petroleum Explosion 30 Years Later: Remembering the Lessons from This Incident Today <i>Bruce Vaughen & Kenneth Bloch, CCPS</i>
11:40 – 12:00	Have We Learned Our Lessons: Revisiting the 2004 Skikda Explosion 16 Years Later <i>Scott Davis, GexCon US</i>
12:00 – 13:00	Networking

54th Annual Loss Prevention Symposium (LPS)

Session #168: Fires, Explosions, and Chemical Reactivity II

GRB Conv. Ctr. 370

Co-Chairs: Katie Mulligan, Amy Gray

13:30 – 13:50

Determination of SADTs Using Accelerating Rate Calorimeter

Daniel Nguyen

ioMosaic

13:50 – 14:10

Using Process Safety Principles to Mitigate the Hazards of Battery Energy Storage Systems

May Yen

Exponent, Inc.

14:10 – 14:30

Thermal Stability Studies Using Machine Learning

Harold U. Escobar-Hernandez

Texas A&M