

ETHYLENE PRODUCERS’ TECHNOLOGY SUBCOMMITTEE (TSC) MEETING

Date: Thursday: October 12, 2023

Time: 4:30 to 5:30 PM CDT

Location: DoubleTree by Hilton at Greenway Plaza, Houston.

Hilton Honors Meeting PW: hougwstandard

ATTENDANCE

Aivars Krumins & Bob Krinock: Out of town, may join by phone.

Muhammad Imran is traveling and will not be able to join.

Greg Kehrier is out of town and will join virtually.

Ying Yu is on Vacation.

Spicer	First Name	10/12/2023
Arora	VK	
Buehler	Jack	X
Charlton	Bill	
de Barros	Jose	X
Devakottai	Bala	X
Fox	Rob	X
Hamilton	Jason	X
Imran	Muhammad	
Kapur	Sanjeev	X
Kehrier	Greg	X
Krinock	Robert	
Krumins	Aivars	
Kruse	Ryan	X
Le Geyt	Darren	X
Polito	Charles	X
Rafique	Humera	
Rollins	Kaleb	X
Spicer	David	X
Tallman	Michael	
Ting	Tiong-Ee	
Whitney	Mark	X
Yu	Ying	
Zygula	Timothy	X

Tentative AGENDA

1. Reading of the Anti-Trust Statemen (Read by Jason Hamilton)t:
No activity of the Committee shall involve the exchange, collection or dissemination among competitors of information, or be used for the purpose of bringing about or attempting to bring about any understanding or agreement, written or oral, formal or

informal, express or implied, among competitors with regard to costs, prices or pricing methods, terms or conditions of sale, distribution, production quotas or other limitations, on either the timing, or volume of production, or sales, or allocation of territories or customers.

2. Five Minutes on Safety
Discussed holiday safety and return to Standard Time in November. Holiday Safety link provided below.

3. Review Membership/Attendance Spreadsheet

4. TSC Membership.
Update? Daryl Bitting mentioned a possible addition of Eastman representative in Technology Sub-committee. He will share the bio for approval by Technology Sub Committee.

Sent a reminder to Daryl on 10/17/2023, JH.

Daryl replied back with a potential member: Doug Rode. Doug is going to send a bio.

5. 2024 EPC Schedule (E-mail attached below)

We would like to ask main committee to move fundamentals session to the afternoon and move rotating equipment session to the morning, since many of us are interested in and would like to attend the Contaminants and Impurities Session. Rob Fox will ask the main committee later tonight.

6. Discuss 2024 Sessions and Tutorial
 - a. Fundamentals Session Update
 - i. Chair: Jack Buehler
 - ii. Co-Chair: Bob Krinock
 - iii. Shadow: David Spicer



2024-10-12-TSC
Fundamentals Voting.

We have received 5 abstracts thus far, see attached spreadsheet for details. There was some discussion related to the Ghent paper. A similar paper may have been presented 2/3 years ago. It is believed this may be a follow-up of this paper.

Waiting on abstracts from:

- 1) Direct Route from CO₂ to C₂H₄ – LanzaTech / Technip
 - a. We have indirect route through syngas abstract
- 2) Decarburizing Olefins Technology (not SCORE) from KBR
- 3) 3 possible Linde papers
 - a. Renewable, recycle feeds/CO₂ capture
 - b. CO₂ Taxes/Regulatory Future – perhaps we need to approach Solomon on this as well. Perhaps we can reach out to Jon Bowen.

- c. Ethylene in the land of zero (potentially)
- 4) CP Chem: Energy/CO2 reduction at Orange plant.

- b. Decarbonization/Sustainability Session Update
 - i. Chair: Chuck Polito
 - ii. Co-Chair: Humera Rafique
 - iii. Shadow: Kaleb Rollins

No abstracts thus far. Only a potential paper from CP Chem, and perhaps one from Linde. Perhaps the TCG paper can be moved from the fundamentals session.

Everybody please scour your organization and contacts for more submittals!

7. Important Dates

- Conference: March 25-29, 2024 in New Orleans
- Call for Abstracts
 - Opens: 6/13/2023
 - Closes: 10/25/2023
 - Abstract Accepted/Rejected: 12/8/2023
 - Paper submission closes: 1/03/2024 ? (Please check this date)

- Remaining Meeting dates for the 2024 planning cycle:
 - 7 December 2023
 - 1 February 2024

Safety Topic

[Holiday Safety - National Safety Council \(nsc.org\)](https://www.nsc.org/holiday-safety)

2024 EPC Schedule

From: Bitting, Daryl <dbitting@eastman.com>

Sent: Friday, July 28, 2023 10:23 AM

From: Bitting, Daryl <dbitting@eastman.com>

Sent: Tuesday, September 19, 2023 9:39 AM

To: abraham_gonzales2@oxy.com; aivars.krumins@mcdermott.com; Andre.Bernard@novachem.com; clayton.jurica.v2@mhi.com; debbyrossana@gmail.com; Euhus, Dan (D) <DEuhus@dow.com>; DEVAKB@cpchem.com; dr.sherrielder@gmail.com; edwards@cpchem.com; humerar@gmail.com; Mbaraka, Isa (IK) <imbaraka@dow.com>; jackbuehler@comcast.net; jake.berret@novachem.com; james.I.kendall@exxonmobil.com; jeff.elam@ineos.com; jeremy.terro@lottechem.com; jlburgin@ecolab.com; Hamilton, Jason (J) <JMHamilton@dow.com>; jose.debarros@lummustech.com; jpena@shin-tech.com; kevin.sprague@ineos.com; lbaldesberger@e2g.com; mark.whitney@linde.com; martin.stoessel@arvos-group.com; michael.tallman@kbr.com; michael.tallman@kbr.com; micheal.smith@exxonmobil.com; Mudd, Mallory (MJ) <mmudd@dow.com>; muhammad.imran2@technipenergies.com; myersam@cpchem.com; Norman.Wilhelm@lyondellbasell.com; Patty.Summers@zeochem.com; politct@cpchem.com; rjkrinock76@gmail.com; rob.fox@lyondellbasell.com; ross.perchuk@shell.com; RPitt@westlake.com; sanjeev@apexpetroconsultants.com; sasha.vragolic@motiva.com; sharvey@elliott-turbo.com; Sivakumar.Nayarajan@shell.com; Troy Boley <TBoley@spectrumenvsoln.com>; tgarza@knighthawk.com; timothy.zygula@basf.com; yong.wang@technipenergies.com

Cc: Bitting, Daryl <dbitting@eastman.com>

Subject: 2024 Ethylene Producers Conference

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Greetings,

The purpose of this email is to share information for the 2024 Ethylene Producers Conference.

- The instructions for the manuscript are unchanged from 2023 and available [here](#).
- The instructions for the PowerPoint presentation are still under construction and will be provided at a later date.
- A link to Confex for each session is provided with contact information for the chair and co-chair.
- The tentative day and time of each session is available alongside the link to each session. (Shown graphically at the bottom of the email)
- The day and the time for a particular session could change to avoid presenting similar material at the same time once the final papers are selected.
- The contact information for each committee chair, co-chair and reporting director is provided to help collaboration between the committees.
- The contact information for the main committee is also provided with a listing of the officers.

Please don't hesitate to ask if we can help you prepare for New Orleans in 2024.

Ethylene Producers Conference 2024

[T4004 Industry 4.0 in Ethylene Production](#)

Aivars Krumins

Sasha Vragolic

Monday 9:30-11:30

Session Chair (Liaison)

Session Co-Chair (Liaison)

[T4011 EPC Keynote](#)

Mark Whitney

Monday 1:30-2:15

Session Chair

[T4026 Ethylene Plant Maintenance & Reliability](#)

Tom Garza

Lucas Baldesberger

Monday 2:30-5:30

Session Chair

Session Co-Chair

[T4000 Tutorial: Flare Operations in a Post E-MACT World](#)

Dab Euhus

Troy Boley

Monday 2:30- 5:30

Session Chair

Session Co-Chair

[T4060 Contaminants and Impurities in Ethylene Plants](#)

A. Bernard

Sherri Elder

Tuesday 8:00-11:00

Session Chair

Session Co-Chair

[T4061 Ethylene Plant Technology Fundamentals](#)

Jack Buehler

Bob Krinock

Tuesday 8:00-11:00

Session Chair

Session Co-Chair

[T4095 Contaminants Tutorial](#)

Debby Rossana

Jessica Burgin

Tuesday 2:00-5:30

Session Chair

Session Co-Chair

[T4096 Ethylene Plant Rotating Equipment](#)

Clayton Jurica

Shane Harvey

Tuesday 2:00-5:00

Session Chair

Session Co-Chair

[T40123 Ethylene Plant Environmental and Sustainability](#)

James Kendall

Isa Mbaraka

Wednesday 8:00-11:00

Session Chair

Session Co-Chair

[T40124 Ethylene Plant Operations](#)

Patty Summers

Wednesday 8:00-11:00

Session Chair

Dab Euhus

Session Co-Chair

[T40148 Ethylene Plant Safety](#)

Norman Wilhelm

TBD

Wednesday 2:00-5:00

Session Chair

Session Co-Chair

[T40155 Circular Economy/Decarbonization](#)

Chuck Politio

Humera Rafique

Thursday 8:00-11:00

Session Chair

Session Co-Chair

Safety

Sivakumar Nayarajan

Alli Myers

Jake Berret

Safety Committee Chair

Safety Committee Co-Chair

Reporting Director

Environmental and Sustainability

James Kendall

Isa Mbaraka

Micheal Smith

Committee Chair

Committee Co-Chair

Reporting Director

Operations

Dan Euhus

Patty Summers

Jeff Edwards

Committee Chair

Committee Co-Chair

Reporting Director

Maintenance & Reliability

Martin Stoessel

Kevin Sprague

Sanjeev Kapur

Committee Chair

Committee Co-Chair

Reporting Director

Technology & Fundamentals

Jason Hamilton

Muhammad Imran

Michael Tallman

Committee Chair

Committee Co-Chair

Reporting Director

Rotating Equipment

Clayton Jurica

Shane Harvey

Michael Tallman

Committee Chair

Committee Co-Chair

Reporting Director

Contaminants and Impurities

A. Bernard

Committee Chair

Sherri Elder

Committee Co-Chair

Mark Whitney

Reporting Director

Knowledge Management

Michael Tallman

Committee Chair

Sanjeev Kapur

Committee Co-Chair

EPC Main Committee

Mark Whitney

Committee Chair

Micheal Smith

Committee Vice-Chair

Bala Devakottai

Treasurer

Daryl Bitting

Program Chair

Jeff Elam

Program Co-Chair

Jake Berret

Past Chair

Abraham Gonzales

Main Committee

Aivars Krumins

Main Committee

Jeff Edwards

Main Committee

Jeremy Terro

Main Committee

John Pena

Main Committee

Jose de Barros

Main Committee

Mallory Mudd

Main Committee

Michael Tallman

Main Committee

Rob Fox

Main Committee

Ross Perchuk

Main Committee

Ryan Pitt

Main Committee

Sanjeev Kapur

Main Committee

Sasha Vragolic

Main Committee

Timothy Zygula

Main Committee

Yong Wang

Main Committee

	Sunday	Monday	Tuesday	Wednesday	Thursday		
8:00 AM			Contaminant & Impurities	Technology & Fundamental	Operations	Environmental	TSC Decarbonization
8:30 AM							
9:00 AM		Breakfast Break 9-9:40	Morning Break 9:20		Morning Break 9:20		Morning Break 9:20
9:30 AM							
10:00 AM		Industry 4.0	8:00-11:00	8:00-11:00	8:00-11:00	8:00-11:00	8:00-11:00
10:30 AM							
11:00 AM							
11:30 AM			EPC Networking Lunch 11:30-1:00				
12:00 PM							
12:30 PM							
1:00 PM							
1:30 PM		EPC Keynote 1:30-2:15					
2:00 PM			Rotating Equipment	Contaminant Tutorial	Safety		
2:30 PM		Maintenance Reliability	Tutorial: Flare Operations Post MACT				
3:00 PM							
3:30 PM		Afternoon Break 3:50		Afternoon Break 3:20		Afternoon Break 3:20	
4:00 PM							
4:30 PM		2:30 - 5:30	2:30 - 5:30	2:00 - 5:00	2:00 - 5:30	2:00 - 5:00	
5:00 PM							
5:30 PM	EPC Welcome Reception						
6:00 PM							
6:30 PM		AGILE Reception 6:30	Speakers Reception 6:15 - 7:00				
7:00 PM							
7:30 PM			Speakers Dinner 7:00 - 9:00				
8:00 PM							
8:30 PM							

Daryl Bitting
EPC Program Chair

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