

Day 1 - Tuesday 3 August 2021
FOCUS: DIGITIZATION & SAFETY

- 10:00 - 10:05** Opening Remarks
310i Technologies LLP, Visakhapatnam, India
- 10:05 - 11:20** Distillation performance improvement insights using hybrid (ML + first principles) modeling
Shardul Shindadkar, *Assistant Manager - Sales & Marketing*
Kaushal Sampat, *Assistant General Manager - Modeling & Analytics*
Nishant Jaiswal, *Senior Engineer - Process Technology*
Ingenero Technologies, Mumbai, India
- 11: 25 - 12:40** Process safety, asset integrity & reliability improvement in CDUs
B. Ravi, *General Manager, R&D*
Hindustan Petroleum Corporation Ltd. (R&D), Bengaluru, India
- 12: 45- 14:00** Best process safety practices and detailed incident reviews of distillation units
Hema Divya K, *Process Safety Management Consultant*
Rahul Raman, *Process Safety Management Consultant*
Kaypear Engineering LLP, Chennai, India

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Day 2- Wednesday 4 August 2021
FOCUS: OPERATIONS & DEBOTTLENECKING

- 10:00 - 10:05** Opening Remarks
310i Technologies LLP, Visakhapatnam, India
- 10:05 - 11:20** Controlling reboilers heated by condensing steam or vapor
Henry Kister, *Senior Fellow, Director of Fractionation Technology*
Fluor Corporation, Aliso Viejo, CA, USA.
- 11: 25 - 12:40** Eliminate reboiler bottlenecks - Design effective condensate drainage
Jim Risko, *President*
TLV Corporation, Charlotte, NC, USA
- 12: 45- 14:00** Gamma scanning of columns (TBC)
Parag Walinjkar, *Scientific Officer*
Bhabha Atomic Research Centre, Mumbai, India

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Day 3- Thursday 5 August 2021

FOCUS: PROCESS INTENSIFICATION & DEBOTTLENECKING

- 10:00 - 10:05** Opening Remarks
310i Technologies LLP, Visakhapatnam, India
- 10:05 - 11:20** Debottleneck distillation columns using dividing wall technology
Manish Bhargava, *Founder & Director*
Anju Patil, *Head of Operations (India)*
DWC Innovations LLC, Houston, TX, USA
- 11: 25 - 12:40** The route to high capacity in separations technology
Ashraf Lakha
RVT Process Equipment GmbH, Steinwiesen, Germany
- 12: 45- 14:00** Column targeting – a thermodynamic tool for debottlenecking distillation columns. A VCM plant case study.
Supriya Apegaonkar, *General Manager R&D*
Dr. Madhukar Garg, *President - Refining & Petchem R&D*
Reliance Industries Ltd., Mumbai, India

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Day 4 - Friday 6 August 2021
FOCUS: ADVANCEMENTS IN SEPERATIONS

- 10:00 - 10:05** Opening Remarks
310i Technologies LLP, Visakhapatnam, India
- 10:05 - 11:20** DWC technology innovation for Naptha separation to improve gasoline yield
Srinivasulu Kaalva, *Sr. Manager Process Development & Optimization*
Bharat Petroleum Corporation Ltd. (R&D), Noida, India
- 11: 25 - 12:40** Cyclic distillation: A new challenger for intensified fluid separations
Dr. Anton A. Kiss, *Professor - Chemical Engineering*
University of Manchester, Manchester, UK
- 12: 45- 14:00** Breakthroughs in distillation (TBC)
Dr. Sunil Kumar, *Principal Scientist*
CSIR - Indian Institute of Petroleum, Dehradun, India

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