

MUGI | 2018



FLORENCE, ITALY



European Technical Conference & Courses | April 22-27, 2018

Haverly Systems is pleased to announce that **Florence, Italy** will host this year's Technical Conference & Courses. MUGI 2018 will offer papers presented by experts in the fields of planning, crude assays and scheduling. Breakout sessions in the afternoons give you the opportunity to discuss important, relevant topics. Product courses are offered for in-depth instruction.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
	Conference Papers	Conference Papers	Conference Papers	Courses	Courses
	Breakout Sessions	Breakout Sessions	Courses	Courses	Courses
Reception Dinner		Meal of the Region			

Conference Papers in the Morning

Technical papers are presented by experienced users, consultants and Haverly Systems staff. The presentations will cover new methods and developments, practical solutions to common problems, and insightful discussions on industry issues of interest to all.

Breakout Sessions in the Afternoon

Breakout Sessions focus on technical content that is practical and relevant. Learn better ways to do important tasks. Expand your skills by learning about more sophisticated methods. Discuss strategies with colleagues and experts. These sessions span topics relevant to planners, schedulers and crude experts.

Courses

The product courses offered in Florence will go far beyond the ninety-minute Breakout Sessions as they provide the in-depth instruction and reinforcing hands-on assignments that are part of a well-designed course. Discounts are offered for those who register before February 19.

Register at www.haverly.com

Discounted rooms are limited so early registration is recommended.

MUGI Conference: April 22-25

Conference Papers in the Morning (preliminary agenda, please see website for updated list)

A Refinery LP Model Conversion Story

Robert Sayers, Pierre Garnier, & Guntram Seitz, VARO Energy

State of the Art Applied Operational Research

Jean Quenon, Total

Using data envelopment analysis to rank oil refineries

Dr. Alireza Tehrani, Total

Batch & Multiperiod Modeling for Crude Evaluation

Pierre Meyniel, Total

Refining Simulation Evolution Improves Analysis and Decision Making

John Roffel, Honeywell

From Wellstream to Forecourt - "Interpret" A Total Quality Solution

Colin Stewart, Intertek

Unit Monitoring for Model Accuracy & Operations Goals Management In Planning and Scheduling

Mi Mi Saine Aye and Nigel Kidd, KBC

Learning to use H/COMET- Tale of the Comet

Joe Barth, Solomon Associates

Big Data Analytics: Adding value throughout the hydrocarbon supply chain

Frederick Stubbins, Intertek

Challenges of connecting two GRTMPS Models

Fabio Oliveira, Petrogal SA

Crude Selection stage for Strategic Investment Projects

Miren Carro Uslé, Axens

Compatibility Check in H/Sched

Dr. Richard Tan, Haverly Systems

H/CAMS Update

David Alexander, Haverly Systems

Refinery 2040

Angela Haverly, Haverly Systems

Fore-Back Casting

Dr. Kathy Nelson, Haverly Systems Europe

H/Sched Adaptability

Dean Trierwiler, Haverly Systems

H/COMET Update

Malek Masri, Haverly Systems

Breakout Sessions in the Afternoon (preliminary agenda)

Improve LP Matrix structure

Dr. Richard Tan, Haverly Systems

Custom Reporting

Paul Tromans, Haverly Systems

Back-Casting

Dr. Kathy Nelson, Haverly Systems Europe

Maximizing Productivity with GRTMPS Workflow

Eric Jwo, Haverly Systems

YieldBlend in H/CAMS

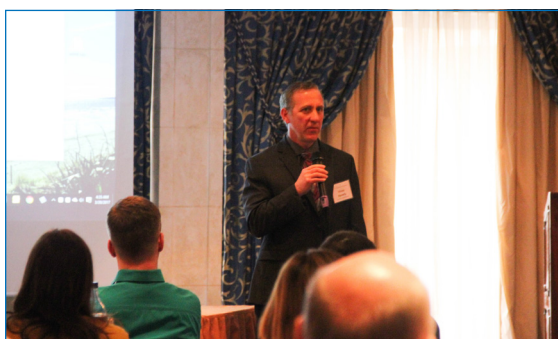
John Slaby, Haverly Systems

Cleaning up your GRTMPS model

Paul Tromans, Haverly Systems

Model Stability

Dr. Kathy Nelson, Haverly Systems Europe



Updates at www.haverly.com

Visit our website to see the updated list of papers, breakout sessions and abstracts.

Outside the Conference Room

Introduce yourself to others working in your field at the Sunday Reception Cocktail and Dinner. On Tuesday, enjoy a unique and memorable meal at Meal-of-the-Region.

Register at www.haverly.com

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MUGI Courses: April 25-27

H/COMET: Crude Oil Management Evaluation Tool

Thur 8:30am – 5:00pm (April 26)

This course covers all the functionalities of Haverly's web-based Crude Oil Management Evaluation Tool.

Agenda

- Viewing and Comparing Assays
- Crude re-cutting and Cut Qualities Prediction
- Blending Crudes and Optimizing Blends
- Refineries Set Up for a Specific Region or Country
- Netback Values of Processed Crudes
- Analyzing Economical Results
- Crude Substitution and Breakeven Prices
- Analyzing Technical Results (LP)
- Accessing Grades Information Through PetroTech Intel CIMS

Who Should Attend

This course is intended for refinery planners, economic planners, crude traders and crude producers. No prior experience with H/COMET or refinery economics is required.

Basic GRTMPS

Wed 1:00pm – Fri 3:00pm (April 25-27)

This course explores a variety of controls and clever tricks for modelling more complex relationships in GRTMPS planning models, and offers a chance to experiment with analysis tools.

Agenda

- Introducing GRTMPS
- Purchasing & Sales Modeling,
- Basic Process Unit Modeling
- Specification Blend Modeling,
- Transportation & Multi-period Modeling
- Recursion & Pooling
- GRTMPS Solution Details & Analysis

Who Should Attend

Intended for novice to Intermediate users. It is suitable for users with no prior knowledge of GRTMPS or LP but will also enhance the skills of those with previous use.

Haverly Systems reserves the right to cancel courses.

Intermediate GRTMPS

Wed 1:00pm – Fri 3:00pm (April 25-27)

This course explores a variety of controls and clever tricks for modelling more complex relationships in GRTMPS planning models, and offers a chance to experiment with analysis tools.

Agenda

- Ratios and Averages in Purchases/Sales
- Relating Price to Quality
- Local Optima
- Process Unit Operating Parameters - same values on multiple operations
- Blending - multi-product specifications, non-linear blending
- Mixed Integer Programming, T
- Transportations
- Block Operations
- Multiple Cases/Workflow

Who Should Attend

Intended for GRTMPS users who are already comfortable with basics of editing data, setting off runs and finding info in the output files, who want to learn some more challenging modelling issues.

Refinery Economics Seminar

Thur – Fri (April 26-27)

This seminar covers the economic and optimization skills needed to maximize refinery profit. Practical hands-on examples are used to illustrate Solomon's unique approach to marginal economics and the workings of LP models.

The course is intended for anyone who takes part in the development of refinery/petrochemical operating plans or helps decide business strategy.

For more information on the Solomon RES course, or to register, please go to www.solomononline.com



Register at www.haverly.com

Discounted rooms are limited so early registration is recommended.

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FLORENCE, ITALY

Conference: April 22-25 (Sun-Wed)

before Feb 19

full price

Registration: includes admission to the Conference, Breakout

Sessions, Reception Dinner and Meal-of-the-Region..... \$1500 USD \$1900 USD

Reception Dinner for accompanying guest (Sun) \$100 USD

Meal-of-the-Region for accompanying guest (Tue) \$150 USD

Courses: April 25-27 (Wed-Fri)

before Feb 19

full price

H/COMET: Crude Oil Management Evaluation Tool..... \$700 USD \$900 USD

Thur 8:30am - 5:00pm

Basic GRTMPS: Planning and Optimization \$2100 USD \$2500 USD

Wed 1:00pm - Fri 3:00pm

Intermediate GRTMPS: Planning and Optimization \$2100 USD \$2500 USD

Wed 1:00pm - Fri 3:00pm

Refinery Economics Seminar

Thur - Fri

For more information please go to www.solomononline.com
or download Solomon's RES brochure from www.haverly.com/mugi.

Grand Hotel Baglioni

The Grand Hotel Baglioni is offering discounted rates for those registered for the conference and/or courses:

DUS a205 per night (Rooms are limited so early registration is recommended.)

Florence, Italy

The birthplace of the Renaissance, Firenze is a breathtaking city that boasts of elegant 15th and 16th century palazzi, fresco-decorated churches, marble basilicas and world-class art museums. It is also the center of Italy's fashion industry and is influenced by the surrounding wine-rich hills of Tuscany.

Questions about the Conference or Courses?

Contact Olivia at +1-973-627-1424 or
at Conference@Haverly.com.



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