

# 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](http://www.haverly.com)

Discounted rooms are limited so early registration is recommended.

# MUGI Conference: April 22-25

## Conference Papers in the Morning (preliminary agenda)

### Refinery 2040

Angela Haverly, Haverly Systems

### Fore-Back Casting

Dr. Kathy Nelson, Haverly Systems Europe

### H/Sched Adaptability

Dean Trierwiler, Haverly Systems

### More Topics:

- Haverly Mobile Applications
- H/CAMS Update
- H/COMET Update
- Automatic Flash Assay Update
- Cloud Processing of Planning Models through H/COMET interface (H/PLANET)
- H/CAMS UniSim Design

This is a preliminary agenda. To see an updated list of papers, please go to [www.haverly.com/mugi](http://www.haverly.com/mugi).

### Call for Papers!

Would you like to present a technical paper at this year's MUGI? Conference papers focus on new developments in planning, crude oil quality and management, product blending, and refinery scheduling. Papers by clients often describe novel solutions to common and unusual problems.

By presenting at MUGI, companies have the opportunity to market themselves as leading organizations within our industry. Presenters will have their name provided on conference marketing material including our website and social media platforms. Furthermore, all MUGI presenters will receive 50% off from the early discount rate for their conference registration fees.

To submit a presentation request, please download the Call for Papers form at [www.haverly.com/mugi](http://www.haverly.com/mugi) and email your completed form to [conference@haverly.com](mailto:conference@haverly.com) for confirmation by February 19.

## 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](http://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.

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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.

## H/CAMS Crude Assay Management

**Wed 1:00pm – Fri noon (April 25-27)**

This course covers all the essential topics of Haverly's crude assay management software, H/CAMS. The course will cover the concept of crude re-cutting and how to configure H/CAMS to obtain best representation of product streams produced in your operations.

### Agenda

- Basic H/CAMS Features
- Assay Data Work-up (Smoothing) - iCDM
- Working with Plant Data (Yield Blend Tool)
- Updating an Old Assay (Flash Assay Tool)
- Crude re-cutting Interface to Other Applications or Creating Custom Reports
- Advanced Features - Split Inefficiency

### Who Should Attend

This course is intended for planners, process engineers, and plant engineers who regularly require good property data from crude assays. No prior experience with H/CAMS is required.

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
- Transportation
- Block Operations
- Multiple Cases/Workflow

### Who Should Attend

This course is intended for GRTMPS users who are already comfortable with the basics of editing data, setting off runs and finding information in the output files, who want to move into 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 the intricacies of marginal economics and the workings of Linear Program (LP) models. In addition, attendees will discuss Planning and Optimization practices.

For more information on the Solomon RES course, or to register, please go to [www.solomononline.com](http://www.solomononline.com)



Register at [www.haverly.com](http://www.haverly.com)

Discounted rooms are limited so early registration is recommended.

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## 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

**H/CAMS: Crude Assay Management System** .....\$2100 USD..... \$2500 USD

Wed 1:00pm - Fri noon

**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](http://www.solomononline.com)  
or download Solomon's RES brochure from [www.haverly.com/mugi](http://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 €205 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](mailto:Conference@Haverly.com).



Register at [www.haverly.com](http://www.haverly.com)

Discounted rooms are limited so early registration is recommended.