



Users Training Meeting 2015

September 21-22, 2015, Valencia, Spain.

Venue:

At least once every two years, the Users Training Meeting is organized at Polymer Char facilities, concretely in the 2nd floor Training Room and in the Analytical Services and Testing Laboratory.

Editions held in Valencia provide additional benefits in attending, such as practicing with real instruments during several hardware sessions in the Polymer Char's laboratory as well as meeting all our experts staff at once.

Key Learning Objectives:

- Review and enhance the daily operation of the instruments.
- Develop skills to be able to understand and recognize the correct performance of the instrument and diagnose a possible problem.
- Familiarize with the available tools in the instrument software for the troubleshooting and diagnosis.
- Learn the recommended preventive maintenance tasks and become capable to perform them.
- Familiarize with the handling of the most important elements of the instruments hardware.
- Share and learn from the experiences of other users.
- Concretely in this 2015 edition, users will improve their knowledge on GPC-IR technique and calculations.

Who should attend:

This Meeting is intended for both new and experienced Polymer Char instruments Users, who want to improve their knowledge of the equipments. It is intended for:

- Laboratory Analysts, to enhance their daily work with Polymer Char instruments.
- Service Engineers, to indentify the hardware elements in Polymer Char instruments and learn how to handle them.
- Analytical group or laboratory managers, who want to learn how to get the most out of Polymer Char instruments.
- Researchers and Scientists, who want to learn more about Polymer Char instruments and share experiences with other users.

Monday, September 21

GPC-IR®

8:30	Introduction to Polymer Char instrumentation and techniques
9:00	<p>GPC Basics and Calculations – Short Course by Dr. Alberto Ortín</p> <ul style="list-style-type: none">• Basic GPC mechanism.• Molar mass distribution and molar mass averages concept.• Band broadening / resolution• Accuracy and broad standard column calibration• Overview of GPC-Light Scattering.• GPC-Viscometry and Universal Calibration concept• GPC with triple detector.• Mark Houwink Plot.
10:00	<i>Coffee Break</i>
10:30	<ul style="list-style-type: none">• GPC-IR: Chemical composition - MMD.• Calculations<ul style="list-style-type: none">○ Overview of different GPC methods○ Single detector○ GPC-Viscometer○ GPC-Light Scattering○ GPC-IR
12:00	<p>GPC-IR® Daily operation:</p> <ul style="list-style-type: none">• Control Software• Manual Screen• Process Data
13:30	<i>Lunch</i>
14:30	GPC-IR® Troubleshooting session
15:30	General Hardware Sessions (I)
17:30	End of session

Tuesday, September 22		
	CEF / CFC / CRYSTAF / TREF *	GPC-IR®
9:00	<ul style="list-style-type: none"> Daily Operation / Control Software Manual Screen Process Data 	GPC-IR®, Advanced Session. <ul style="list-style-type: none"> Additional detectors review: IR5, Viscometer, LS GPC One: Additional Detectors - Data Processing Practice
11:00	<i>Coffee Break</i>	
11:30	<ul style="list-style-type: none"> Calculations Troubleshooting 	Specific Meetings **
12:30	Specific Meetings **	
13:30	<i>Lunch</i>	
14:30	General Hardware Sessions (II)	
17:30	End of session	

* To be covered in parallel sessions at each attendee's choice.

** To be agreed in advance with Polymer Char staff.