

2018 EAS Short Course Schedule

Pricing for 2018 Short Courses is \$575 one-day and \$850 two-day **before Oct. 15th** and \$775 one-day and \$1,175 two-day **after Oct. 15th** in addition to the Full Conferee registration fee. Courses are subject to changes/cancellations.

For complete descriptions of all EAS Short Courses, [click on the course name to link to the description](#).

Two-Day Courses

Code	~ 2-Day Courses ~ Sunday, Nov. 11 – Monday, Nov. 12 8:30am - 5:00pm	Instructor(s)
E18-01	Practical Gas Chromatography	Eugene Barry, University of Mass-Lowell Thomas Brettell, Cedar Crest College
E18-02	LC/MS: Theory, Instruments, and Applications	Guodong Chen, Bristol-Myers Squibb Ragu Ramanathan, Pfizer
E18-03	Chemometrics without Equations Part 1 & 2	Donald Dahlberg, Lebanon Valley College Neal Gallagher, Eigenvector Research
E18-06	Modern HPLC/UHPLC for Practicing Scientists Part 1 & 2: Fundamentals, Best Practices and Applications	Michael Dong, MWD Consulting
Code	~ 2-Day Course ~ Monday, Nov. 12 – Tuesday, Nov. 13 8:30am - 5:00pm	Instructor(s)
E18-19	LC-MS Method Development for Small Molecule Pharmaceuticals	Perry Wang, LC-MS Technical Expert
Code	~ 2-Day Courses ~ Tuesday, Nov. 13 – Wednesday, Nov. 14 8:30am - 5:00pm	Instructor(s)
E18-23	Troubleshooting Chromatographic Systems	Merlin Bicking, ACCTA, Inc. Douglas Raynie, South Dakota State University
E18-24	How to Develop Validated HPLC Methods: Rational Design with Practical Statistics and Troubleshooting	Brian Bidlingmeyer Stanley Deming, Statistical Designs
E18-25	Quality by Design: A New Paradigm for the Analytical Laboratory: Part 1 & 2	Zenaida Otero Gephardt, Rowan University

One-Day Courses

Code	~ One-Day Courses ~ Sunday, November 11 8:30am - 5:00pm	Instructor(s)
E18-04	Introduction to Chemometrics Without Equations	Donald Dahlberg, Lebanon Valley College Neal Gallagher, Eigenvector Research
E18-07	Modern HPLC/UHPLC for Practicing Scientists Part 1: Fundamentals and Pharmaceutical Applications	Michael Dong, MWD Consulting
E18-09	Introduction to Vibrational Spectroscopy for Real Time Analysis	John Wasyluk, Bristol-Myers Squibb Peter Larkin, Solvay Cytec Group
E18-10	Interpretation of Mass Spectra with Practical Solutions to Problems	Mike Lee, Milestone Development
E18-11	Lifecycle Approach to Analytical Methods: Incorporating Quality by Design Concepts into Method Development, Validation, Verification and Transfer	Gregory Martin, Complectors Consulting
E18-12	Process Analytical Technology: Out of the Lab & Into the Line	James Rydzak, Specere Consulting
E18-13	Develop Robust HPLC Methods for Pharmaceutical Analyses	Jinjian Zheng, Merck & Co.
E18-14	Getting the most from GC and GC/MS	Gregory Slack, PharmAssist Nicholas Snow, Seton Hall University

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One-Day Courses *continued*

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Code	~ One-Day Courses ~ Sunday, November 11 8:30am - 5:00pm	Instructor(s)
E18-15	Intact and Top-Down Protein Characterization and Quantitation by Mass Spectrometry: Approaches for Pharmaceutical Drug Discovery, Development, and Bioanalysis	John Kellie, GlaxoSmithKline Wenyong Jian, Janssen
E18-16	Physical Characterization and Methods of Analysis of Pharmaceutical Solids: Essential Knowledge	Stephen Byrn, Purdue University Sean Chen, Antares Pharma
E18-17	Optimizing HPLC Separations with Knowledge of Analyte Size, Column Pore Size, and Phase Chemistry	Richard Henry, Consultant
E18-18	Taking Advantage of the Power of Excel	Scot Abbott, Phoenix First Response

Code	~ One-Day Courses ~ Monday, November 12 8:30am - 5:00pm	Instructor(s)
E18-05	Intermediate Chemometrics Without Equations	Donald Dahlberg, Lebanon Valley College Neal Gallagher, Eigenvector Research
E18-08	Modern HPLC/UHPLC for Practicing Scientists Part 2: UHPLC, Method Development, HPLC Operation, Troubleshooting and Biopharmaceutical Applications	Michael Dong, MWD Consulting
E18-20	Analytical Sampling and Sample Preparation	Douglas Raynie, South Dakota State University
E18-21	Evaluation of Trace/Ultratrace Impurities in Pharmaceuticals	Satinder (Sut) Ahuja, Ahuja Consulting
E18-22	Introduction to GPC/SEC for Polymer Analysis	Yeji Li, Ashland Zheng Li, Ashland

Code	~ One-Day Courses ~ Tuesday, November 13 8:30am - 5:00pm	Instructor(s)
E18-26	Quality by Design: A New Paradigm for the Analytical Laboratory Part 1: QbD Fundamentals for Analytical Chemists	Zenaida Otero Gephardt, Rowan University
E18-28	Supercritical Fluid Chromatography: A Powerful and Greener Tool for Analytical and Preparative Separations	Yingru Zhang, Bristol-Myers Squibb Michael Hicks, Merck & Co.

Code	~ One-Day Courses ~ Tuesday, November 13 8:30am - 5:00pm	Instructor(s)
E18-29	Modern Portable Analytical Spectroscopy	Richard Crocombe, Crocombe Spectroscopic Consulting Pauline Leary, Smiths Detection
E18-30	Stability Studies: The Tools, Methods and Predictions During Each Stage of Pharmaceutical Development	Kenneth Waterman, Freethink Technology Peter Bonk, Reaction Analytics
E18-31	Setting Data Quality Objectives and Determining, Reporting, and Interpreting Data Quality Indicators to Meet Scholarly Publication Requirements	Ephraim Govere, Penn State University

List of short courses continues on the next page

2018 EAS Short Course Schedule

One-Day Courses *continued*

For complete descriptions of all EAS Short Courses, **click on the course name to link to the description.**

Code	~ One-Day Courses ~ Wednesday, November 14 8:30am - 5:00pm	Instructor(s)
E18-27	Quality by Design: A New Paradigm for the Analytical Laboratory Part 2: Design of Experiments for Analytical Chemists	Zenaida Otero Gephardt, Rowan University
E18-32	Keeping Your Analytical Procedures in Compliance with the FDA: Validation, Documentation and Investigation	Kim Huynh-Ba, Pharmalytik
E18-33	HPLC and UPLC Troubleshooting	Imad Haidar Ahmad, Merck & Co.
E18-34	Practical NMR Spectroscopy	Damodaran Achary, University of Pittsburgh
E18-35	How Liquid Chromatography Works: Separation Principles Explained in Chromatograms	Martin Gilar, Waters Corp
E18-36	Analytical Instrument Qualification from a Chemical Metrology Perspective	Jerry Messman, Stranaska Scientific

All short courses take place at the
Crowne Plaza Princeton - Conference Center
Plainsboro, NJ

Registration is open from July 25 – November 14, 2018
Register by Oct 15th for reduced rates