### Schedule of Events

**Sunday, 23 April 2017**

- **9:00 a.m.–7:30 p.m.**
  - Hospitality and Welcome to AD
  - Vendor Exhibits

**Monday, 24 April 2017**

- **7:30 a.m.–5:00 p.m.**
  - General Session, Welcome and Introduction
  - Session 1: Emerging Technology
  - Session 2: Chromatography 1
  - Session 3: Oxygen Analysis
  - Session 4: Applications in Refining

**Tuesday, 25 April 2017**

- **7:30 a.m.–5:00 p.m.**
  - General Session, Welcome and Introduction
  - Session 5: Process Control
  - Session 6: System Design
  - Session 7: Liquid Applications

### Session Details

**Session 1: Emerging Technology**

- **AD.17.02.01**
  - Steve Walton, PAI Partners/Walton Associates
  - "Instruments (PAI): 2016 to 2019—Really Matters"  
  - IPA Learning Center/Exhibit Hall A
  - **7:30 a.m.–5:00 p.m.**

**Session 2: Chromatography 1**

- **AD.17.02.02**
  - Tom Grills, John J. Grills III, and Phillip Walsh, Envantage, Inc.
  - "Hyphenation of Vacuum Ultraviolet Systems and Hydrocarbon Analysis for Production and Refining"  
  - Ballroom B-C

**Session 3: Oxygen Analysis**

- **AD.17.03.01**
  - Tony Waters, Instructor
  - "Measurements of Trace Gases for Industrial Process"  
  - Ballroom B-C

**Session 4: Applications in Refining**

- **AD.17.04.01**
  - Lee Smith, Robert Benner, Giancarlo Aquiree, Will Warkentin, Michael Hoffman, Siemens
  - "The Fine Art of Chromatogram Reading"  
  - Ballroom B-C

**Session 5: Process Control**

- **AD.17.05.01**
  - Jonathon Cole and Jeyan Sreekumar, Advanced Sensors Ltd.
  - "Oil in Water Using an On-Line Absorbance Monitoring System—Real Time Measurement of Non-Fluorescent Oils Using a Low Cost Raman Photometric Analyzer"  
  - Ballroom B-C

**Session 6: System Design**

- **AD.17.06.01**
  - Pawel Kluczynski, Krzysztof Siembab, Janusz Derezynski, Mateus Strazewski, Jedrzej Peziak, Dominik Luczak, Szymon Tomczyk, Marcin Suski, and Adrian Wojcik, Airoptic Sp. Z O.O.
  - Ballroom B-C

**Session 7: Liquid Applications**

- **AD.17.07.01**
  - Dr. Honggang (Hank) Li, Schneider Electric/Applied Instruments by a Low Cost Raman Photometric Analyzer for Process Control"  
  - Ballroom B-C

**Session 8: Process Control**

- **AD.17.08.01**
  - Michael Hoffman, Siemens
  - "The Fine Art of Chromatogram Reading"  
  - Ballroom B-C
Wednesday, 26 April 2017

8:00 a.m. – 12:00 p.m.  
Session 2: Siemens Training  
Round 104  
Dr. Paul Barnard, AD Director

8:00 a.m. – 12:00 p.m.  
On-line and Lab Raman: Instrumentation Training  
Pasadena, California USA

8:00 a.m. – 12:00 p.m.  
Process Instruments Training  
Pasadena, California USA

8:00 a.m. – 12:00 p.m.  
Symposium Registration  
Pasadena, California USA

10:30 a.m. – 12:00 p.m.  
Session 10: Mass Spectrometry Applications  
Pasadena, California USA

1:45 p.m. – 2:00 p.m.  
Session 11: Analytical Systems  
Pasadena, California USA

8:00 a.m. – 5:00 p.m.  
Break/Vendor Exhibits  
Pasadena, California USA

12:00 p.m. – 1:00 p.m.  
Lunch  
Pasadena, California USA

1:00 p.m. – 2:30 p.m.  
Session 12: Process Applications II  
Pasadena, California USA

2:45 p.m. – 3:30 p.m.  
Panel Session: Analytical and Instrumentation Issues  
Pasadena, California USA

3:30 p.m. – 4:30 p.m.  
Panel Session: Analytical and Instrumentation Issues  
Pasadena, California USA

8:00 p.m. – 12:00 a.m.  
Banquet  
Pasadena, California USA

Thursday, 27 April 2017

8:00 a.m. – 12:00 p.m.  
Break/Vendor Exhibits  
Pasadena, California USA

12:00 p.m. – 1:00 p.m.  
Lunch  
Pasadena, California USA

1:45 p.m. – 2:15 p.m.  
Session 7: ABB Training  
Pasadena, California USA

2:30 p.m. – 4:30 p.m.  
Session 8: ThermoFisher Scientific Training  
Pasadena, California USA

5:00 p.m. – 7:00 p.m.  
Reception and Welcome  
Pasadena, California USA

8:00 p.m. – 12:00 a.m.  
Night Out  
Pasadena, California USA

Bids from the tracking database, the economic analysis, the economic analysis and the economic analysis.