

Workshop Costs, Schedule, and Logistics

Two-day Hands-on Workshop \$1100

May 16-17 (Wed-Thu) 2018

Group rates at a local hotel (TBA)

Travel

Fly into IAH.

Rent a vehicle.

Drive North on the

Hardy Toll Rd.
(Tolls = \$3 total)

Merge with I-45 N.

Continue to

Huntsville.

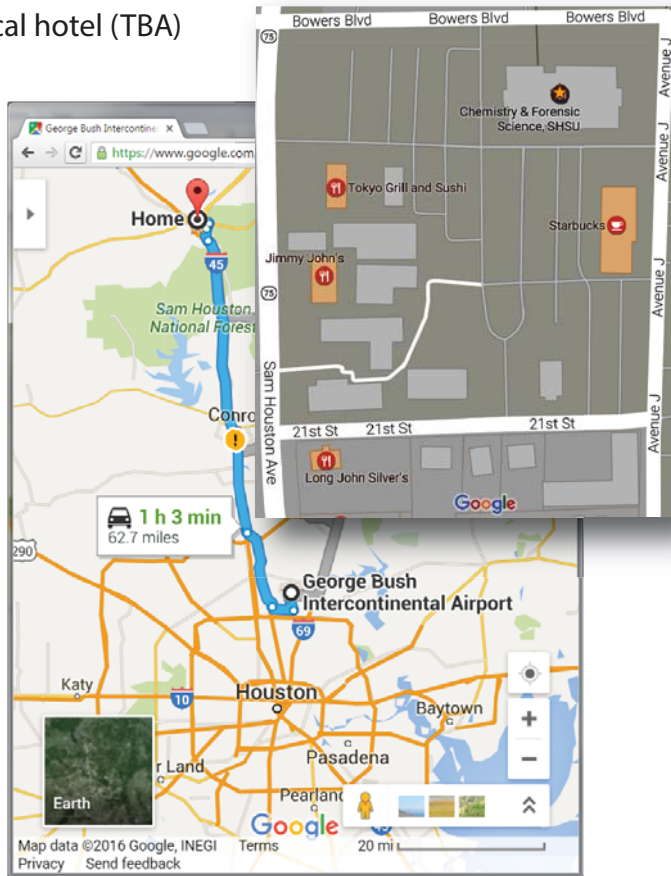
Check into hotel.

Workshop is in the

Chemistry and
Forensic Science

Building Room
102.

Exact times TBA.



Product Quality Workshops



Contact Us

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Product Quality Workshops

This workshop is intended for professionals in manufacturing, surface finishing, precision cleaning, and surface preparation.

Who Should Attend?

The content is appropriate for both managers of cleaning/quality groups AND for the technicians who do the work.

Use this workshop to bring your employees up to speed on cleaning for product quality or to refresh and broaden your own knowledge.

Workshop Topics

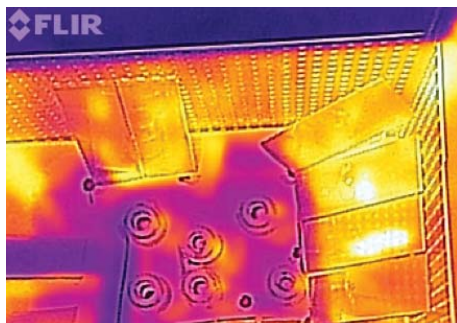
- ✦ Alphabet Soup: Regulatory agencies and their regulations
- ✦ Is this safe?: Flammability, toxicity, and reactivity of cleaning processes
- ✦ Is this clean?: Cleaning to specifications vs cleaning for quality
- ✦ Process Choices: Solvent vs aqueous cleaning decisions
- ✦ Process Chemistry: Solubility parameters and solvent selection
- ✦ Mechanical Action: Scrubbing and ultrasonics (frequency and power)
- ✦ Surface Checks: UV light, water break, dyne pens, and contact angle

What You Will Learn

At the conclusion of the workshop, you will understand your own cleaning processes better, leading to improved operation of existing tasks. You will see your cleaning procedures and quality issues in light of current technology. This new knowledge will facilitate wise decisions about potential upgrades to your processes and improvements in the quality of your products.

Location and Special Features

- ✦ Sponsored by and located at Sam Houston State University
- ✦ Hands-on training in a laboratory setting
- ✦ Continuing education certificate through the university



Facilities

Sam Houston State University

Instructors

Critical Cleaning Consultants

- ✦ Ed Kanegsberg
- ✦ Barbara Kanegsberg of BFK Solutions LLC
SHSU Professors
- ✦ Darren L Williams
Researcher in cleaning and product quality and others...

About the Instructors

Barbara Kanegsberg, President of BFK Solutions, LLC, is a recognized expert in critical/industrial cleaning and contamination control. She develops critical cleaning processes, conducts validations, and resolves product-related regulatory issues. Barbara is a member of the ASTM medical device Cleanliness Testing Task Force and a US Expert to the ISO/TC 209 WG 12: She has a master degree in biological chemistry, and is co-author of the two-volume CRC Handbook for Critical Cleaning.

Ed Kanegsberg, Vice President of BFK Solutions, is a chemical physicist and engineer who troubleshoots and solves manufacturing production problems in medical device development and in other high-value products. He is a recognized consultant in industrial cleaning process design and process performance with decades of experience helping companies transition from prototype to production. Ed has a Ph.D. in physics and is co-author of the CRC Handbook for Critical Cleaning.

Darren Williams, Professor of Physical Chemistry, Sam Houston State University, has 18 years of experience in cleanliness verification processes. His university research is applied to industrial process issues solvent selection, surface preparation, surface cleanliness, and analytical instrumentation. Darren Williams has a Ph.D. in chemistry and is trained in six sigma process improvement. He has authored over twenty articles, two chapters, and filed two patents related to cleanliness verification.