



2018 Fall Refining and Equipment Standards Meeting FINAL PROGRAM

November 12-15, 2018 | Hyatt Regency Orlando | Orlando, Florida | www.api.org/meetings

Current as of November 11, 2018 | Subject to change | SOME Pre- & Post-Week Meetings: November 10th -11th and November 15th -16th

API will introduce a meeting app during the Fall Refining Meeting. Access to the app will be launched and you will be provided instructions on its use just prior to the meeting. It will contain the final program and other meeting details and lists.

Saturday, November 10, 2018

Mechanical Equipment

API Task Force 674 and 676, Positive Displacement Pumps 8:00am – 12:00pm	Winter Park 54
API Task Force 612, Special Purpose Steam Turbines 8:00am – 5:00pm	Columbia 36
API Task Force 613, Special Purpose Gears 8:00am – 5:00pm	Winter Park 53
API Task Force 685, Sealless Centrifugal Pumps 8:00 am – 5:00 pm	Challenger 38-39
API Task Force 686, Installation and Commissioning 12:00 pm – 5:00 pm	Winter Park 54

Sunday, November 11, 2018

General

Sponsor and Exhibitor Displays <i>(Vendor Setup)</i> 1:00 pm – 5:00 pm	Plaza Foyer
Registration 1:00 pm – 6:00 pm	Plaza Foyer



Sunday, November 11, 2018
(Continued)

Aboveground Storage Tanks,
Inspection and Mechanical
Integrity, Heat Transfer
Equipment, and Corrosion and
Materials

SCAST/SCIMI/SCHTE/SCCM
Coordination Meeting
(Leadership Teams & API Reps)
4:00 pm – 5:00 pm

Silver Spring

Heat Transfer Equipment

SCHTE Heat Exchanger, Std. 660, Shell and Tube
Exchangers
1:00 pm – 6:00 pm

Orlando N

Mechanical Equipment

Task Group 612, Special Purpose Steam Turbines
8:00 am – 5:00 pm

Columbia 36

Task Group 682, Mechanical Seals
8:00 am – 5:00pm

Challenger 38-39

Task Group 681, Liquid Ring Compressors and
Pumps
8:00 am – 5:00 pm

Columbia 34

Task Group 613, Special Purpose Gears
8:00 am – 5:00 pm

Winter Park 53

API Task Force 685, Sealless Centrifugal Pumps
8:00 am – 5:00 pm

Challenger 40-41

API Task Force 611, General Purpose Steam
Turbines
8:00 am – 5:00 pm

Columbia 37

Refinery Equipment

CRE Chairs' Workshop
(Members and Invited Guests Only)
5:00 pm – 6:30 pm

Barrel Spring 2

Monday, November 12, 2018

General

Breakfast and General Session – “Annual Awards Presentation” 7:00 am – 8:30 am	Plaza GH
Registration 7:00 am – 5:00 pm	Plaza Foyer
Sponsor and Exhibitor Displays 7:00 am – 5:00 pm	Plaza Foyer
<i>Morning Coffee Service</i> 8:00 am – 9:00 am	Plaza Foyer
Spouses’ Breakfast 8:00 am – 10:00 am	Orchid Room & Veranda
Orientation for New Committee Members and New Attendees <i>(Open to new attendees and anyone wishing to expand their knowledge of procedures for standards development and committee structure)</i> 8:30 am – 9:30 am	Barrel Spring 1
<i>Mid-Morning Coffee Service</i> 10:00 am – 10:30 am	Plaza Foyer
<i>Afternoon Coffee Service</i> 2:00 pm – 2:30 pm	Plaza Foyer
<i>Special Afternoon Networking Break</i> 2:30 pm – 3:00 pm	Plaza Foyer
Welcome Reception 6:00 pm – 7:00 pm	Terrace Pool <i>(Rain Back-Up: Plaza GH)</i>

Aboveground Storage Tanks

TR 654: Aboveground Storage Tank Caulking Group 8:30am – 9:30am	Challenger 38-39
Refrigerated Tank Task Group 8:30 am – 2:00 pm	Orlando M

Monday, November 12, 2018

(Continued)

Aboveground Storage Tanks

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12 Series (Production Tanks) Work Group 9:00 am – 4:00 pm	Orlando L
RP 652, Linings of Aboveground Storage Tank Bottoms 9:30 am – 11:00 am	Challenger 38-39
RP 651, Cathodic Protection of Aboveground Petroleum Storage Tanks 1:00pm – 2:30pm	Challenger 38-39
Tank Safety Task Group (2015, 2026, 2027, and 2207) 3:30 pm – 5:00 pm	Challenger 38-39
SCAST Owners and Operators 4:30 pm – 6:00 pm	Orlando L
SCAST Manufacturers and Contractors 5:00 pm – 6:00 pm	Orlando M

Heat Transfer Equipment

SCHTE Heat Exchanger Standards: 661, Air-Cooled Heat Exchangers 8:30 am – 12:00 pm	Orlando N
Task Group on Std. 560 Fired Heaters (General Session) 8:30 am – 3:00 pm	Florida B
Task Group on 560, Fired Heaters, Sections 1 through 6 9:30 am – 12:00 pm	Plaza J
Task Group on 560, Fired Heaters, Sections 7 through 9 9:30am – 12:00pm	Plaza I
Task Group on 560, Fired Heaters, Annex F 1:00pm – 3:00pm	Plaza J



Monday, November 12, 2018
(Continued)

Heat Transfer Equipment
(Continued)

Task Group on 560, Fired Heaters, Section 12, 13, and Annex H 1:00pm – 3:00pm	Plaza I
SCHTE Heat Exchanger Standards: 663, Hairpin-Type Heat Exchangers 1:00pm – 5:00pm	Orlando N
SCHTE Fired Consensus Group 3:00pm – 5:00pm	Florida B
SCHTE Steering Committee <i>(Committee Members Only)</i> 5:00 pm – 6:00 pm	Challenger 38-39

Inspection and Mechanical Integrity

Publication 589, Fixed Equipment Mechanical Integrity Lessons Learned 8:30 am – 10:00 am	Plaza F
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**MOVED TO WEDNESDAY,
10:00 AM – 12:00 PM
PLAZA K**

RP 583, Corrosion Under Insulation & Fireproofing 8:30 am – 10:00 am	Challenger 40-41
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RP 588, Source Inspection: Fixed Equipment 10:00 am – 12:00 pm	Plaza F
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RP 575, Inspection Practices for Atmospheric and Low-Pressure Storage Tanks 10:00 am – 12:00 pm	Challenger 40-41
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SCIMI Inspection Codes Task Group 1:00 pm – 5:00 pm	Plaza F
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Manufacturers/Contractors Coordination Group 5:00 pm – 6:00 pm	Plaza F
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Instruments and Control Systems

Subcommittee on Instruments and Control Systems 8:30 am – 5:00 pm	Plaza K
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Monday, November 12, 2018
(Continued)

Mechanical Equipment

SOME Joint Review on Std. 681, Liquid Ring Vacuum Pumps and Compressors 8:30 am – 12:00 pm	Florida C
SOME Joint Review on Std. 686, Installation and Commissioning 1:00 pm – 3:00 pm	Florida C
SOME API Task Force 685, Sealless Centrifugal Pumps 3:00 pm – 5:00 pm	Florida C

Piping and Valves

Piping Manufacturers and Contractors 8:30 am – 9:30 am	Florida A
Piping Executive Session <i>(Users Only)</i> 8:30 am – 9:30 am	Barrel Spring 2
Piping Subgroup on Gate, Globe, and Check Valves/Piping Subgroup on Quarter Turn Valves and Valve Quality 9:30 am – 5:30 pm	Florida A

Pressure Relieving Systems

Task Force on Std. 520, Pressure Relieving Devices – Parts I and II 8:30 am – 5:00 pm	Plaza D
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Refractory Materials

Management of API Sponsored Refractory Projects 8:30 am – 5:30 pm	Plaza E
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Tuesday, November 13, 2018

General

Early Morning Coffee Service
7:00 am – 8:30 am Plaza Foyer

Registration
7:00 am – 4:00 pm Plaza Foyer

Operating Practices Symposium Early
Registration
7:00 am – 4:00 pm Plaza Foyer

Sponsor and Exhibitor Displays
7:00 am – 5:00 pm Plaza Foyer

Spouses' Breakfast
8:00 am – 10:00 am Orchid Room &
Veranda

Mid-Morning Coffee Service
10:00 am – 10:30 am Plaza Foyer

Afternoon Coffee Service
2:00 pm – 2:30 pm Plaza Foyer

Special Afternoon Networking Break
2:30 pm – 3:00 pm Plaza Foyer

Aboveground Storage Tanks

SCAST Subgroup Fabrication
8:00 am – 5:30 pm Plaza J

SCAST Subgroup Design
8:00 am – 5:30 pm Plaza I



Tuesday, November 13, 2018

(Continued)

Heat Transfer Equipment

Joint SCHTE/SCRM API 565, Refractory Details for Sulfur Reaction Furnaces - General Session 8:00 am – 9:00 am	Plaza H
Task Groupon Std. 535, Burners for Fired Heaters: General Session & Overview 8:00 am – 9:00 am	Florida A
SCHTE Heat Exchanger Standards: 669, Heat Recovery Systems 8:00 am – 6:00 pm	Orlando N
Task Group on Std. 535, Burners for Fired Heaters – Breakout 1, Sections 1 to 4 and 6 9:00 am – 4:00 pm	Plaza F
Task Group on Std. 535, Burners for Fired Heaters: Breakout 2, Sections 5, 7, 8, and 9 9:00 am – 4:00 pm	Florida A
Joint SCHTE/SCRM Meeting on API 565, Refractory Details for Sulfur Reaction Furnaces 9:00 am – 6:00 pm	Plaza H
Task Group on Std. 534, Heat Recovery Steam Generators – Day 1 10:00 am – 6:00 pm	Orlando M
Task Group on Std. 535, Burners for Fired heaters - General Session & Overview 4:00 pm – 5:00 pm	Florida A

Inspection and Mechanical Integrity

**MOVED TO DAY, 10:00
MONDAY, 8:30 AM – 10:00 AM
CHALLENGER 40-41**

RP 573, Inspection of Fired Boilers and Heaters 8:00 am – 10:00 am	Plaza D
RP 581, RBI Methodology (Business Session) 8:00 am – 12:00 pm	Plaza K

Tuesday, November 13, 2018

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**Inspection and Mechanical
Integrity**
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Task Group on 586, NDE Methods for Equipment Damage Mechanisms 9:00 am – 11:00 am	Plaza E
Task Group on 587, Ultrasonic Examiner Qualification 11:00 am – 12:00 pm	Plaza E
Task Group 581, Methodology – Breakout Sessions 1:00 pm – 3:30 pm	Plaza G
SCIMI NDE Task Group 1:00 pm – 4:00 pm	Plaza E
SCIMI Terms/Definitions Task Group 3:30 pm – 5:30 pm	Plaza K
RP 941, HTHA Inspection Methods 4:00 pm – 5:30 pm	Plaza E

**Instrument and Control
Systems**

Task Group on RP 554, Parts 1-3, Control Systems Functions 8:00 am – 11:00 am	Orlando L
Task Group on RP 553, Refinery Valves and Accessories for Control and Safety Instrumented Systems 11:00 am – 3:00 pm	Orlando L
Task Group on RP 552, Transmission Systems 3:00 pm – 6:00 pm	Orlando L

Tuesday, November 13, 2018
(Continued)

Mechanical Equipment

SOME Joint Review on Std. 676, Positive Displacement Pumps 8:00 am – 12:00 pm	Florida C
SOME Joint Review on Std. 673, Fans 1:00 pm – 3:00 pm	Florida C
SOME Joint Review on API Std. 682, Mechanical Seals 3:00 pm – 4:30 pm	Florida C

Piping and Valves

Piping – Joint Meeting 8:00 am – 12:00 pm	Plaza G
Task Group on Std. 600, Gate Valves 1:30 pm – 3:30 pm	Plaza K
Task Group on Std. 591, Process Valve Qualification Procedure 1:30 pm – 4:00 pm	Discovery 43
Task Group on Std. 599, Plug Valves 1:30 pm – 5:00 pm	Discovery 45
Task Group on Std. 623, Globe Valves 1:30 pm – 5:00 pm	Challenger 40-41
Task Group on Std. 624, Type Testing of Rising Stem Valves Equipped with Graphite Packing for Fugitive Emissions 1:30 pm – 5:00 pm	Discovery 44
Task Group on Std. 602, Small Valves 1:30 pm – 5:00 pm	Plaza D

Pressure Relieving Systems

Task Group on 521, Pressure Relieving and De-Pressurized Systems 8:00 am – 5:00 pm	Florida B
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Tuesday, November 13, 2018

(Continued)

Refinery Equipment

CRE Project Coordinating Committee
10:00 am – 4:00 pm

Columbia 35

Refining Subcommittee

Refining Subcommittee
(Committee Members and Invited Guests Only)
1:00 pm – 6:00pm

Challenger 38-39

Refractory Materials

Joint SCHTE/SCRM API 565, Refractory Details for
Sulfur Reaction Furnaces - **General Session**
8:00 am – 9:00 am

Plaza H

Joint SCHTE/SCRM Meeting on API 565, Refractory
Details for Sulfur Reaction Furnaces
9:00 am – 6:00 pm

Plaza H

Wednesday, November 14, 2018

General

<i>Early Morning Coffee Service</i> 7:00 am – 8:30 am	Plaza Foyer
Operating Practices Symposium Registration 7:00 am – 12:00 pm	Plaza Foyer
Registration 7:00 am – 3:00 pm	Plaza Foyer
<i>Mid-Morning Coffee Service</i> 10:00 am – 10:30 am	Plaza Foyer
<i>Afternoon Coffee Service</i> 2:00 pm – 3:00 pm	Plaza Foyer

Aboveground Storage Tanks

SCAST Joint Session 8:00 am – 12:00 pm	Plaza DE
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Heat Transfer Equipment

Task Group on Std. 561, Reforming Furnaces for H2 & Syngas 8:00 am – 5:00 pm	Manatee Spring
Task Group on Std. 565, BMS Subgroup Joint Meeting with SOICS 8:00 am – 6:00 pm	Plaza J
Task Group Std. 534, Heat Recovery Steam Generators Day 2 8:00 am – 6:00 pm	Orlando M
SCHTE Heat Exchanger Standards: 810, Welded Plate-Block Heat Exchangers 8:00 am – 6:00 pm	Plaza G
SCHTE/SCRM API 561, Refractory Details for Reforming Furnaces 8:30 am – 12:00 pm	Orlando N
Task Group Std. 537, Flare Details 8:30 am – 3:00 pm	Coral Spring



Wednesday, November 14, 2018
(Continued)

**Inspection and Mechanical
Integrity**

	RP 584, Integrity Operating Windows 8:00 am – 10:00 am	Plaza K
MOVED TO PLAZA H, 8:00 AM – 10:00 AM	RP 577, Welding Inspection and Metallurgy 10:00 am – 12:00 pm	Plaza K
	Inspector Certification Task Group 10:00 am – 12:00 pm	Plaza I
	ICP Exam Construction: TES Exam Construction 12:00 pm – 5:00 pm	Columbia 36
	SCIMI Joint Meeting 1:00 pm – 5:30 pm	Plaza I

**Instrument and Control
Systems**

	Task Group on Std. 565, BMS Subgroup Joint Meeting with SOICS 8:00 am – 6:00 pm	Plaza J
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Mechanical Equipment

	SOME Joint Review on Std. 697, Pump Repair 8:00 am – 12:00 pm	Florida C
	SOME Joint Review on Std. 612, Special Purpose Steam Turbines 1:00 pm – 5:00 pm	Florida C



Wednesday, November 14, 2018
(Continued)

Operating Practices

OPS Breakfast
(Symposium Participants Only)
8:00 am – 8:30 am Florida AB

Operating Practices Symposium (OPS)
(Refining and Petrochemical Operating Companies Only)
8:30 – 5:00 pm Florida AB

OPS Networking Lunch
(Operating Practices Symposium Participants Only)
12:00 pm – 1:00 pm Barrel Spring

OPS Networking Reception
(Operating Practices Symposium Participants Only)
5:00 pm – 6:00 pm Barrel Spring

Piping & Valves

SCOPV Executive Roundtable
(User Members Only)
8:00 am – 12:00 pm Challenger 40-41

Pressure Relieving Systems

Task Group on Std. 526/527, Pressure Relief Valves
8:00 am – 10:00 am Orlando L

API 2000 Flow Testing Task Group
8:00 am – 10:00 am Challenger 38-39

Task Force on Std. 2000
10:00 am – 12:00 pm Orlando L

SCPRS Joint Session
1:00 – 5:00 pm Orlando L



Wednesday, November 14, 2018
(Continued)

Refractory Materials

SCHTE/SCRM API 561, Refractory Details for
Reforming Furnaces
8:30 am – 12:00 pm

Orlando N

Management of API Sponsored Refractory Projects
1:00 pm – 6:00 pm

Plaza F

Thursday, November 15, 2018

General

Registration
7:00 am – 12:00 pm
Rainbow Spring
(API Ofc.)

Heat Transfer Equipment

SCHTE Heat Exchanger Standard on Unfired
Consensus Group
8:00 am – 10:00 am
Florida B

Task Group on Std. 565, Reactor Furnaces in Sulfur
Recovery Units Burner Subgroup
8:00 am – 6:00 pm
Plaza E

SCHTE/SOICS RP 556, Instrumentation Control and
Protective Systems for Fired Heaters
8:00 am – 6:00 pm
Florida A

SCHTE Heat Exchanger Standards: Std. 667, Plate
and Frame Heat Exchangers
10:00 am – 6:00 pm
Florida B

Inspection and Mechanical
Integrity

ICP Exam Construction: SIFE Form Review
12:00 pm – 5:00 pm
Challenger 41

ICP Exam Construction: SIRE Item Review
7:00 am – 5:00 pm
Discovery 47

Inspector Certification Exam Construction: 570 Test
Spec – **Breakout 1**
(Invited Guests Only)
7:00 am – 5:00 pm
Challenger 38-39

Inspector Certification Exam Construction: 510 Item
Review – **Breakout 2**
(Invited Guests Only)
7:00 am – 5:00 pm
Challenger 40

ICP Exam Construction: 936
8:30 am – 12:30 pm
Discovery 45

Thursday, November 15, 2018
 (Continued)

**Instrument and Control
 Systems**

SOICS/SCHTE 556, Instrumentation Control and
 Protective Systems for Fired Heaters
 8:00 am – 6:00 pm Florida A

Mechanical Equipment

Standards Paragraphs
 8:00 am – 5:00 pm Discovery 46

Task Group on Std. 677, General Purpose Gears
 8:00 am – 5:00 pm Discovery 48

Operating Practices

Operating Practices Roundtable: IOW and Shift
 Handover
General Session – Opening Remarks
 8:00 am – 8:30 am Plaza D

Operating Practices Roundtable: IOW
Breakout 1
 8:30 – 9:45 am Plaza D

Operating Practices Roundtable: Shift Handover
Breakout 1
 8:30 – 9:45 am Plaza F

Operating Practices Roundtable: IOW
Breakout 2
 10:00 am – 11:15 am Plaza D

Operating Practices Roundtable: Shift Handover
Breakout 2
 10:00 am – 11:15 am Plaza F

Operating Practices Roundtable: IOW and Shift
 Handover
Wrap-Up & Closing Remarks
 11:15 am – 11:45 am Plaza D



Thursday, November 15, 2018
(Continued)

Pressure Relieving Systems	PERF II – Inlet Stability 8:00 am – 5:00 pm	Rock Spring
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Refinery Equipment

Committee on Refinery Equipment <i>(Members and Invited Guests Only)</i> 8:00 am – 6:00 pm	Florida C
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Friday, November 16, 2018

**Inspection and Mechanical
Integrity**

Inspector Certification Exam Construction: 570 Test
Spec/510 Crosswalk – **Breakout 1**
(Invited Guests Only)
7:00 am – 5:00 pm

Challenger 38-39

Inspector Certification Exam Construction: 510 Item
Review/Crosswalk – **Breakout 2**
(Invited Guests Only)
7:00 am – 5:00 pm

Challenger 40

Mechanical Equipment

Task Group on Std. 677, General Purpose Gears
8:00 am – 5:00 pm

Discovery 48