# 2007 NPRA Reliability & Maintenance Conference and Exhibition: Advance Program

George R. Brown Convention Center Houston, TX May 22 – 25, 2007





### **Schedule at a Glance**

8:00 am – 2:00 pm	Exhibitor Golf Tournament
9:00 am – 5:00 pm	Professional Development Seminars
1:00 pm – 8:00 pm	Registration
5:00 pm – 8:00 pm	Opening Reception in Exhibit Hall
Wednesday	May 23, 2007
7:30 am – 6:00 pm	Registration
8:30 am – 9:45 am	Keynote Session
9:45 am – 10:00 am	Coffee Break
10:00 am – 11:15 am	Concurrent Workshops
11:15 am – 1:00 pm	Lunch – Exhibit Hall
1:15 pm – 2:30 pm	Q&A / Concurrent Workshops
2:30 pm – 2:45 pm	Coffee Break
2:45 pm – 4:00 pm	Concurrent Workshops
4:00 pm – 6:00 pm	Reception in Exhibit Hall
Thursday	May 24, 2007
Thursday 7:30 am – 6:00 pm	May 24, 2007 Registration
7:30 am – 6:00 pm	Registration
7:30 am – 6:00 pm 8:30 am – 9:45 am	Registration  Keynote Session
7:30 am – 6:00 pm 8:30 am – 9:45 am 9:45 am – 10:00 am	Registration  Keynote Session  Coffee Break
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May 22, 2007

## 2007 NPRA Reliability & Maintenance Conference and Exhibition

#### **Securing Our Future**

Powered by hydrocarbons, our world has been transformed since Colonel Drake drilled the first oil well in 1859. In spite of the progress that has been made, the future of the industry is uncertain as other sources of energy are gaining favor, either for their inexhaustibility (sun or wind) or their availability (home grown corn). Securing our future will depend on our competitiveness, resourcefulness, and efficiency as we adapt to the changing political landscape and market conditions. The NPRA Reliability & Maintenance Conference helps you look ahead, identify opportunities on the horizon, and begin the process that will lead to improved reliability. The Conference offers you the opportunity to evaluate and identify which reliability practices will ensure your future, to view the technologies you will need, and to see proven practices that you can apply today.

The program emphasizes knowledge gained through experience – the positives and negatives - and strategies refiners and petrochemical producers are using to improve performance. The program has expanded to 36 workshops in seven topic tracks: Cultural Change; Procurement; Principles & Practices; Reliability I & II; Turnarounds; and Work Process Improvement. The topic tracks that are new in 2007 - Cultural Change and Work Process Improvement – both recognize that instilling a "culture of reliability" and continual improvement in the way we work are imperative for securing our future. The workshops will be interactive and attendees will be encouraged to ask questions and share

their own experiences and challenges. The Q&A sessions will also be formatted to maximize interaction and offer attendees the opportunity to have their individual questions answered.

Attendees may elect to upgrade their skills by registering for one of the Professional Development seminars held on Tuesday before the conference. Attendees interested in one particular topic will find the program layout allows them to focus on the area that is best suited to their needs. For example, attendees more in need of a quick review of reliability fundamentals will focus on the Principles & Practices track while other attendees will choose to concentrate on the Turnarounds or Procurement or Reliability tracks. To see a more complete description of each workshop, visit www.npra.org and click on Meetings/ Maintenance/2007 Developing Program.

#### **Q&A Sessions**

The program includes three Q&A sessions where panelists will lead a discussion of today's critical issues. The Cultural Change Q&A session on adopting and sustaining a reliability culture includes a variety of perspectives on the challenges of getting people to "think differently" and getting everyone to value reliability. The Reliability Q&A will focus on the tools and proven practices used to improve performance and the Turnaround Q&A will focus on the challenges of integrating capital projects into turnaround planning and execution. The questions for the Q&A Sessions are taken from actual questions and problems that have been submitted by your peers. Panelists bring

carefully prepared answers to the sessions and then use their experience and knowledge to respond to questions raised by session attendees.

To preview the questions that will be addressed in the Q&A Sessions, visit the NPRA web site and click on Meetings/ Maintenance/2007 Q&A Questions and then come prepared with your own responses or additional questions.

#### **Professional Development**

The conference will be preceded by a one-day program offering four professional development seminars. Full-day seminars will be offered on Pump Time Improvement by Heinz Bloch of Process Machinery Consulting; Managing World-Class Shutdowns and Turnarounds by Bobby Singh of Project Assurance; Life Cycle Cost Analysis by Ted Bennett of Barringer & Associates; and Industry Tank Standards – API 653 by Steven Braune of Tank Industry Consultants. There is an additional registration fee for these seminars.

#### **Exhibition**

The Conference Exhibition provides an opportunity to see and evaluate the equipment, services, and technologies of more than 220 companies. These companies are specialists in a specific aspect of reliability and can be valuable resources in solving plant problems and improving performance. The 10-plus hours of exhibition time also offer an excellent opportunity to network with others and focus on your plant's particular needs.

#### Tuesday May 22, 2007

9:00 am - 5:00 pm *(concurrent)* 

#### Thursday May 24, 2007

8:30 am - 9:45 am

#### **Pump Time Improvement**

Heinz Bloch, Process Machinery Consulting

A review of the 2005 seminar, Ten Machinery-Related Reliability
Enhancements with 10:1 Payback" will be followed by discussion topics, including equipment-specific small-scale (and not plant-wide) oil mist lubrication, and opportunities to solve problems with a new generation of mechanical seals.

All of these topics will deal with maintenance cost reduction, uptime extension, and cost-effective reliability improvements for the types of machines used in refineries, petrochemical plants and related industries. \$450

## Life Cycle Cost Analysis

Ted Bennett, Barringer & Associates
This seminar emphasizes making longterm cost of ownership decisions rather
than only choosing the lowest first cost.
The course shows how to merge cost
data and reliability data for making business decisions that minimize the overall
cost of operating an asset.
\$400

### Managing World-Class Shutdowns and Turnarounds

Bobby Singh, Project Assurance
This interactive seminar is designed to
establish a thorough understanding of
the fundamentals of effective, efficient
turnaround management. The seminar
emphasizes the need to have across-theboard input, knowledge, resources and
energies to achieve your turnaround
goals. Registration fee includes textbook.
\$400

#### Requirements of API Standard 653

Steven Braune, Tank Industry Consultants This seminar will provide a general overview of important storage tank integrity issues, including tank design basics, repairs/alterations, and duties of the Storage Tank Engineer and the Authorized Inspector.

This seminar is useful for engineers, contractors and inspection personnel directly involved with tank maintenance and integrity programs at refineries, terminals and pipeline facilities. \$400



#### Managing Human Error in Complex Systems Scott Shappell, Ph.D.

Clemson University

Human error is associated with somewhere between 60 to 80% of all incide accidents in complex, high-risk system

where between 60 to 80% of all incidents/ accidents in complex, high-risk systems such as aviation, healthcare, mining, oil, and nuclear power industries. Managing human error is therefore fundamental to maintaining the safety, viability, and profitability of any organization. Unfortunately, as pervasive as human error is, the percentage of accidents and incidents attributable to it has not changed appreciably over the last several decades. There are now two error management tools that can help attendees turn errors into information, information into knowledge, and knowledge into effective error management solutions.

Dr. Shappell is a professor in the Department of Industrial Engineering at Clemson University. He has a BS in psychology from Wright State University and a Ph.D in neuroscience from the University of Texas Medical Branch.

#### **Keynote Speaker**

#### Wednesday May 23, 2007

8:30 am - 9:45 am



A 12-year NFL veteran and current ESPN Monday Night Football analyst, **Joe Theismann** is best known for his years as quarterback for the Washington Redskins, where he led the Redskins to victory in Super Bowl XVII.

In his presentation, *Managing to Win!*, Joe will give you strategies for setting and achieving goals straight out of his personal playbook which took him to the Super Bowl and made Joe the success he is today.

Track 1:	
Cultural	Change

#### Track 2: **Principles & Practices**

Wed	nes	day
May	23,	2007

10:00 am **BP Texas City Maintenance and Control of Work Process Integration** 

> Willie Willis, BP Don Seiler, Reliability Management Group (RMG)

The Ninety Nine Diseases of **Pressure Equipment** 

John Reynolds, Shell Global Solutions (retired)

1:15 pm

**Traditional Learning** 

Bobby Vichich, Asset Performance Networks

**Breaking the Barriers of** 

Joe Gandolfo, Shell Oil

A Case Study in 2:45 pm

> **Effectively Implementing Corporate Change Initiatives**

Lance McPhail and Mike Salario, Motiva Enterprises Tony Cardella, The Manufacturing Game NDE Techniques and their Applications in **Processing Facilities** 

Ashok Rakhe, Celanese Chemical

#### **Thursday** May 24, 2007

10:00 am

Taking Reliability Beyond a "Worst Actors" List TBD

**Rethinking the Industrial Plant Maintenance Model Utilizing Conventional RCM Theory** 

Paul Ring, CH2M HILL

1:15 pm

**Cultural Change Q&A Session** 

Lance Holmer, Marathon Petroleum Rod McCracken, BP Texas City Business

Jim Stephanou, Bayer Material Science Steve Thomas, Sunoco Doug Wiegmann, Mayo Clinic College of Medicine

High Pressure Heat Exchanger Diaphragm Removal/Retrofit Using **Double Tapered Pressure Seal** 

James Cesarini, Valero Energy

2:45 pm

**Human Reliability and** Gray Matter(s)

Jim Stephanou, Bayer Corporation

**Obtaining Leak Free Bolted Joint** Operation by Returning to Basics

Warren Brown, The Equity Engineering Group

Wayne McKenzie and Shane Ryan, Syncrude Canada

Track 3:
<b>Procurement</b>

## Track 4: Reliability I (General)

Wed	nes	day
May	23,	2007

10:00 am Global Valve Sourcing: Valve
Acceptance Criteria for AML

**Development and Implementation** *John Carte, Robert Smith*, and

Gary Ittner, McJunkin Corporation Kenneth Felder, Valero Greg Johnson, United Valve OEM vs. Independent Re-Build Shops: Why Having All the Facts and Keeping an Open Mind is Essential

Heinz Bloch, Process Machinery Consulting Jim Steiger, HydroAire Bob Bluse, Pump Services Consulting

1:15 pm

**Discussion** 

Reliability Q&A Session

Virginia Edley, Suncor Energy
Ramesh Gulati, Arnold Engineering Test
Facility - US Air Force
Paul Pairmore, Valero Energy
George Tavary, Huntsman Polymers

2:45 pm

Moving From Traditional To Risk-Based Spare Parts Inventory Cesar Malpica, Petrolera Ameriven Assessing the Value Creation of RBI

John Aller, Lloyd's Register Capstone

Thursday May 24, 2007 10:00 am

Inclusion of Diverse Suppliers into the Supply Chain

Nancy Swartout, ExxonMobil Global Services Company

New Concepts in Asset Reliability Management

Barry Snider, Snider Consulting

1:15 pm

2:45 pm

Redefining the Buyer-Supplier Balance of Power

Alicia Dickerson, The Corporate Executive Board

Global Implementation of RBI within the Bayer Organization

Udo Pankoke, Bayer Corporate and Business Services James Feeney, Bayer Material Science

#### Track 5: Reliability II (Technical)

#### Track 6: Turnarounds

## Track 7: Work Process Improvement

#### The Bulging Intensity Factor

Mahmod Samman, Stress Engineering Services

## Standardizing and Improving Best Practices in Estimating and Planning

Bernard Ertl, InterPlan Systems
Buddy Jacks, Industrial Planning
Consultants

#### Seamless Integration Produces Operations Excellence

Bill McGlinchey, Fluor Operations and Maintenance John Harvey, INEOS

#### Gulf Coast Workforce Development Initiative and Beyond

Timothy Horst, Becon Construction Ed Allison, DuPont Don Whyte, NCCER

#### Importance of Gathering Start-up/Shut-down Vibration Data on Critical Turbo-machinery

Ed Wilcox, Lyondell Chemical Company

## Successfully Integrating Capital Projects With Plant Turnarounds – Lessons Learned and Strategies for Pacesetter Results

Bobby Singh, Project Assurance Mike Uremovich, Starcon International Mark Estefo, Marathon Petroleum Jane Keast, Suncor Energy

#### Six Sigma in Maintenance

William Turner, Jacobs Industrial Services

#### Risk-Based Method to Establish Inspection Intervals for Pressure Relief Devices

Philip Henry and Valerie Magvari, The Equity Engineering Group

## How to Consistently Have Successful Turnarounds

David Garbade, CITGO Petroleum

#### Operating with Integrity

Martin Hinchliffe and Peter Elliot, BP

#### Identifying the PF Interval Made Simple: Establishing an Effective Preventive Maintenance Program

David Martin, Louisiana Offshore Oil Port Ricky Smith, Ivara Corporation

## Turnaround Durations: The New Reality

Bill Van Winkle, Turnaround Management

#### Asset Management in the Arabian Gulf

James Davis, SAMI Middle East Mubarak Rabea Al-Ahmadi, MARAFIQ

#### Torsional Analysis of Rotating Equipment

Troy Feese, Engineering Dynamics

#### Panel Discussion – Turnaround Performance

Roddy Caffey, Alon
David Garbade, CITGO
David Herzog, JV Industrial
Dave Park, Lyondell Chemical
David Yeats, TOTAL Petrochemical

## **Driving Performance Improvement** within the Maintenance Organization

Kevin McQuillan and Daren Smith, SABIC UK Petrochemicals

#### Friday May 25, 2007

8:30 am

#### **Turnaround Q&A Session**

Brad Hase, Flint Hills Resources
Les Roussel, ConocoPhillips
Don Smith, National Cooperative
Refinery Association
Bill Van Winkle, Turnaround Management

Exhibitors from 233 industry service companies will participate in the NPRA Reliability & Maintenance Conference and Exhibition. (as of February 5, 2007)

A & A Machine & Fabrication, LLC A and L Industrial Services, Inc.

A Box 4 U

ABB Lummus Global Inc.

**ABS** Consulting

Access Plug Flange, Inc. ACS Industries, Inc.

Adhesive Services Company

Advanced Reliability Technologies, LLC

Aggreko Air Products All Tech Inspection AltairStrickland, Inc. American Alloy Steel

AMISTCO Separation Products Inc.

Apex Engineering Products Corporation

Aptech Engineering

Asset Performance Networks Atlantic Industrial, Inc. Auburn Manufacturing, Inc. Austin Industrial, Inc.

Automation Technology, Inc. Aztec Bolting Services, Inc. Babbitt Steam Specialty Co. Baker Petrolite Corporation Base Line Data, Inc. BE&K Industrial Services

Becht Engineering Co., Inc.

Bently Pressurized Bearing Company

BJ Chemical Services

BLAC Inc

Blasch Precision Ceramics Inc.

Boardman, Inc.
Bolttech Inc.
Bonney Forge Corp.
Brand Services

Brock

Campbell Fittings, Inc.
CAR-BER Testing Services
Carrier Rental Systems

CATSI CB&I

CDI Engineering Solutions CEDA/Catalyst Services, Inc.

Cetek Ltd.

CH2M HILL - Lockwood Greene, Inc. Clean Harbors Environmental Service

Coastal Skills Training

Codeware

Conam Inspection Inc.

Conex International Corporation Cooling Tower Depot, Inc.

CPI - Compressor Products International

Crane Valve Services Crane Valves North America

CTI Industries, Inc.
Cudd Engery Services
Curran International
Cust-O-Fab. Inc.

Decoking Descaling Technology Delta Structural Technology Delta Tech Service Inc.

DeltaValve

Design Maintenance Systems Inc.

Dresser-Rand

**DuPont Engineering Polymers** 

Elliott Company

Emerson Process Management Epoxy Design Systems, Inc. ES&H Turnaround Services, Inc.

EST Group, Inc.

Eveready Income Fund / Cat Tech LLC /

Eveready Industrial Services Evergreen Industrial Services Expansion Joint Systems, Inc. Fabgroups Technologies Inc.

First Vehicle Services Flexitallic L.P.

Flexitallic L.P.
FLIR Systems
Fluor Corporation
Foster Wheeler

Furmanite America, Inc.
Garlock Sealing Technologies

GΕ

Godwin Pumps HB Turbo, LP

Hertz Equipment Rental Corporation Hi-Tech Industrial Services, Inc.

HMT Inc. Hotwork-USA

Houston Dynamic Service, Inc.

HRI, Inc.
Hydro, Inc.
IMPRESS Software
InduMar Products, Inc.
Industrial Ceramics Ltd.

Industrial Gunite, Inc.
Industrial Hoist Services
Industrial Specialists, LLC
Industrial Surfacing Corporation

Ind-Viro Search (IVS)

Infinity Maintenance Services, LP Innovative Turnaround Controls

Inovx

Inserv-Integrated Service Company LLC

Integra Service Technologies InterPlan Systems Inc. J.J. White, Inc.

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Jacobs

Jaeger Products, Inc. Jayne Industries, Inc.

John Crane Mechanical Seals JV Industrial Companies

KBC Advanced Technologies, Inc. Kitz Corporation of America KnightHawk Engineering, Inc. Koch Heat Transfer Company, LP Koch Specialty Plant Services

KTI Corporation LaborLogix

Lamons Gasket Company

Lincoln Electric

Lloyd's Register Capstone, Inc. Louisiana Chemical Equipment Co., L.P.

Lucia de la compositione de la c

Lubrication Systems Company

Ludeca, Inc.

Maintenance Enterprises, Inc.

Mannings USA, Inc.
Mass Transfer Limited
Matrix Service Company
MB Industries, LLC

McDonough Construction Rentals, Inc.

McJunkin Corporation

Meridium Inc. Metegrity MobileCal

Mogas Industries, Inc.

MOST

MRO Software an IBM Company

National Heat Exchange

NDT Seals

Neptune Research, Inc. Netwin Solutions

Nooter Construction Company

Ohmstede, Ltd.
Oilind Safety
Onis Inc.
OnQuest

Optek-Danulat, Inc.

P.A. Inc.

Pala-Interstate, LLC
Payne Services, Inc.
PdMA Corporation
Peinemann Equipment
Petrochem Field Services
PetroChem Inspection Services

Praxair Inc.

Primavera Systems, Inc. PROGNOST System, Inc

Pro-Inspect, Inc.
Project Assurance
Protherm Services Group

**PSC** 

Quest Tru Tec RAE Systems Rain for Rent

Red Man Pipe & Supply Reliability Management Group

Remosa - United Valve

RENTECH Boiler Systems & Services, Inc.

Repcon, Inc.
Resco Products, Inc.
Restek Corporation
Robert J. Jenkins & Co.

ROSEN

Rotating Machinery Services, Inc

Royal Purple, Inc. RSC Equipment Rental

Scaffold Industry Association, Inc.

Scafftag Inc

Senior Flexonics Pathway Service Radio Rentals Sherwin-Williams SKF USA Inc.

SNC-Lavalin GDS. Inc.

Specialty Maintenance Products

SPX Cooling Technologies

Standard Alloys

STARCON International Inc.
Stress Engineering Services

Structural Preservation Systems, Inc.

Sulzer Chemtech USA, Inc.

Sulzer Enpro Inc.
Superheat FGH, Inc.
T.D. Williamson, Inc.
TapcoEnpro International
Taper-Lok Corporation

TASC

Teadit NA Inc.
Team Industries
Team. Inc.

Technip-Coflexip Div.

TesTex Inc.

The Equity Engineering Group The Manufacturing Game The Mundy Companies

The Turnaround Management Co.

Thermal Ceramics

Thermo Scientific NITON Analyzers

ThyssenKrupp Safway TIC Maintenance, Inc. TIMEC Company, Inc. Total Industrial Services

Total Safety

Total-Western, Inc./The Bragg Company

Tracerco TurboCare

Turner Industries Group

Unifrax I LLC

United Laboratories International LLC Universal Plant Services, Inc.

Valvtechnologies Inc.

Velan Valve

Veolia ES Industrial Services Inc. Wholesale Radio Rental. Inc.

Wilson Supply Windrock Inc.

Wood Group Field Service - Thomason

Mechanical Corporation
Wyatt Field Service Company

XOMOX XServ, Inc. Zeeco, Inc.

Zimmermann & Jansen, Inc. Zy-Tech Global Industries

#### Golf Tournament

The exhibitors are again hosting a golf outing for their customers on Tuesday, May 22 at the new Tournament Course at Redstone Golf Club, home of the PGA Shell Houston Open. If you are interested in playing, please contact one of the exhibitors.

## Charlie Daniels Closes the Show!

To celebrate the first RMC ever held in Houston, attendees will be treated to a concert by country music legend, The Charlie Daniels Band, during the final exhibit session on Thursday afternoon, May 24th. Charlie Daniels has recorded countless hits including "The Devil Went Down to Georgia", "The South's Gonna Do It Again", and "Long Haired Country Boy", to name a few. He's sold millions of albums, won numerous awards and was described by former President Gerald Ford as a "supremely talented, compassionate and proud American whose love of music is only surpassed by his love of people." With an unerring instinct for the universal ties that bind people together and an equal abhorrence for the intolerance and fear that do the opposite, Charlie Daniels has kept the specifics of his cultural heritage as the soul of the CDB music that has impacted lives of everyday people everywhere. Don't miss this special appearance.



## 1. Conference and Professional Development Seminars

Log on to www.npra.org and select "Meetings", "Future Conferences", "2007 Reliability & Maintenance Conference and Exhibition" then "Register Now" or complete the enclosed registration form. Full registration includes admission to the Tuesday, Wednesday, and Thursday receptions (including the Charlie Daniels Band concert) and the Wednesday and Thursday luncheons in the exhibit hall; the Keynote Sessions; and the Workshop Sessions. Spouse registration includes all of the above. Plus, you'll save \$100 on full conference registration if you register by April 23!

#### 2. Hotel Reservations

Reserve your hotel on-line when you register at www.npra.org and receive an immediate acknowledgement of your reservation. Or, fill in the appropriate space on the enclosed registration form. Hotel reservation requests will be processed in the order received by the NPRA. Get immediate acknowledgement on-line but allow 3 weeks if submitted to NPRA. The NPRA holds a block of rooms at the Hilton Americas-Houston, 1600 Lamar, Houston, TX. Support your Association and help keep meeting fees low by using the NPRA contracted hotel.

The hotel requires a deposit equal to one night room rental plus tax to guarantee your room. This deposit will be refundable if the reservation is cancelled at least 72 hours prior to arrival date. The credit card will be charged the first nights deposit as soon as NPRA turns the rooming list over to the Hilton Americas-Houston in mid-April. April 13, 2007, is the cut-off date for making hotel reservations, cancellations or substitutions through NPRA or on-line. Beginning April 19, reservations, substitutions, or cancellations must be made through the hotel directly.

#### 3. Payment

Pay by credit card, check or wire transfer. If you register on-line but wish to pay by check or wire please be sure to include your system ID# and name with payment.

#### 4. Travel

AVIS is the official rental car agency for the RMC. Call 800.331.1600 and refer to AWD#:B761399 to receive discounted rates.

#### 5. Suites and Meeting Rooms

Call Kelly Monday at 202.457.0480 or email at kmonday@npra.org.

#### 6. Confirmation

Your registration will be confirmed via e-mail if you provided us your email address. Otherwise, your confirmation will be sent via U.S. mail.

#### 7. Attire

Business Casual – shirts with collars; no ties, jeans, sneakers or shorts.

#### **Cancellation Policy:**

Registration substitution/cancellations must be submitted in writing, faxed to 202.835.0467 or e-mailed to RMC@npra.org. Substitute conference registrations may be made in advance or on arrival with no penalty. Cancellations may be made by April 23, 2007 with no penalty. Written cancellations post-marked, faxed, or emailed between April 24 and May 7, 2007 will receive a refund of fees, less a \$50 processing fee. No refunds after May 7, 2007. No telephone cancellations.

#### One-day Pass Refund Policy:

Refunds will be made on one-day passes purchased if request is received in writing by May 7, 2007. No Refunds after May 7.

#### Fee Policy:

Eligibility for member rates is based on membership information currently on file with NPRA. If your company is not currently a member, the non-member fees will be charged to your credit card.

#### **Registration Policy:**

Those who are present at the site of an NPRA meeting and/or occupy a hotel room in the NPRA room block to conduct business with industry personnel gathered for that meeting are expected to register for that meeting and pay the registration fee, whether or not they attend a specific function.

#### Spouse / Guest Policy:

A guest is a spouse/significant other, friend or an adult child (18 years old or older) who is not in an industry-related occupation. A co-worker, an associate or spouse who works within the industry may not use the Spouse/Guest Registration category. Guests are not permitted to work in the exhibit booths. Children under 18 are not permitted in the exhibit hall.

#### No Suit-casing Please:

Please note that while all meeting registrants are invited to the exhibition, any non-exhibitor registrant who is observed to be soliciting business in the aisles or other public spaces, in another company's booth, or in violation of any portion of the NPRA Exhibition Policy will be asked to leave the show floor. Please report any violations you may observe to show management.

#### Register by Fax:

Fax your form with credit card information to 202.835.0467

#### Register by Mail:

Mail your check to NPRA 1899 L Street, NW Suite 1000 Washington, DC 20036

#### Register on-line at www.npra.org

Attendee Profile Please fill out completely. Badges will be printed from this information.	Meeting Registration Full Conference  Member (all)  Non-member Exhibitor	By April 23 \$ 350 \$ 695	•	
Name	□ Non-mem. Non-exhibtor	\$ 995	\$1,095	
Title	One-day Passes Member (all)	By April 23	After April 23	
Company	□ Tuesday □ Wednesday	\$ 50 \$ 175	•	
Address	□ Thursday	\$ 175	_ \$ 225	
Address	Non-member Exhibite  ☐ Tuesday	or \$ 100	_ \$ 125	
City State Zip Country	_ □ Wednesday □ Thursday	\$ 350 \$ 350	\$ 400	
Phone (Area/Country/City Code) Fax (Area/Country/City Code)	Non-member Non-ext	nibitor		
E-mail	_ □ Tuesday	\$ 150	_ \$ 175	
	☐ Wednesday	\$ 500		
☐ This is not a permanent address change.	☐ Thursday	\$ 500		
Spouse Name (if attending)	□ Spouse / Guest	\$ 50	_ \$ 50	
☐ Check here if you require special services.				
Please attach a description of your needs.	Professional Develop		Ф 400	
	☐ API 653 Seminar	\$ 400		
Hotel Selection	□ Life Cycle Cost Analy.			
Hotel reservation requests must be accompanied by paid conference registration to be processed.	□ Shutdowns/Turnarounds □ Pump Time Improve.	\$ 450	_ \$ 400 _ \$ 450	
	<b>Total Amount Due</b>	\$	_ \$	
Arrival Date Departure Date  If no dates are indicated, we will assign arrival Tuesday, May 22 and departure Friday, May 25.	Name of Member Company Not sure if your company is a m	ember? Go to www.npra.c	ora	
Hilton Americas-Houston, 1600 Lamar, Houston, TX Room rates are \$168 single/\$183 double occupancy.	- Vot date ii year company is a mi	ombor. do to www.npra.c		
	Payment Information Payments to NPRA are not deductible as charitable contribu-			
Hilton Honors Number  Room Type: □ One Bed □ Two Beds  Number of People in Room:	tions for federal income tax purposes. However, they may be deductible under other provisions of the Internal Revenue Code.  Check Enclosed (US Dollars only)			
Room Guarantee: ☐ AMEX ☐ VISA ☐ Discover ☐ Diners			nc., Washington, DC 04 • Acct #206887906 TRUS3A	
Credit Card Number	_ □ Credit Card	(Please include re	gistrant's name.)	
Exp. Date	_	MasterCard	American Express	
Signature	Credit Card Number			
Special Requests: ☐ Smoking ☐ Non-smoking ☐ Disability ☐ Other	Exp. Date			
Register on-line to receive immediate acknowledgement of hotel. April 13 is the final cut-off date to reserve a room.	Name of person on card (Please	e print)		
Contact the hotel directly with changes or cancellations beginning April 19, 2007.	Signature (Required, authorizing registration, & spouse policies)	g charge & acknowledging	cancellation/refund, fee,	

# 2007 NPRA Reliability & Maintenance Conference and Exhibition: Advance Program

George R. Brown Convention Center Houston, TX May 22 – 25, 2007

Register by April 23rd and save \$100!

Register online at www.npra.org



National Petrochemical & Refiners Association

1899 L Street, NW Suite 1000 Washington, DC 20036.3896 Presorted
Standard
U.S. Postage
PAID
Harrisonburg, VA
Permit No. 161