

NAPS

10 YEAR ANNIVERSARY

2018

NORTH AMERICA PERFORATING SYMPOSIUM

JULY 31-

AUG 1

Photo Courtesy of: DynaEnergetics



PERFORATORS.ORG
INTERNATIONAL PERFORATING FORUM



Welcome to the 10 Year Anniversary Perforating Symposium!
You are cordially invited to enjoy our technical program and take a moment to
acknowledge our Sponsors, Presenters and Committee Members, who made
this event possible.

Thank you,
John Carminati, NAPS 2018 Co-chair
Alphie Wright, NAPS 2018 Co-chair

NAPS 2018 Sub-Committee Chairs:

Shaun Geerts
Eliana Mandujano
Bill Myers
Hema Prapoo
Clint Quattlebaum

NAPS 2018 Committee Members:

Kevin Anderson
David Ambler
Caitlin Bowers
Steve DeLozier
Cam Le
Steve Olsen
David Smith

Monday, July 30

Moody Gardens, Galveston, Texas

19:00 - 21:00

Sponsors Dinner

Tuesday, July 31

Moody Gardens, Galveston, Texas

7:00 - 8:00

Breakfast and Registration

8:00 - 8:15

Opening of Symposium

Multi-Stage Completions

Clinton Quattlebaum & Kevin Anderson

8:15 - 8:45

2018-NAPS-16

Angling the Perforation Tunnel Geometry of Constant Entry Hole Perforating Charges Results in Further Improvements in Hydraulic Fracturing Efficiency
David Cuthill, GeoDynamics

8:45 - 9:15

2018-NAPS-37

Redefining Pump Down Perforating
Sharif Aboelnaga, Schlumberger

9:15 - 9:45

2018-NAPS-08

Intelligent Pumping Down Perforating and Plug method for Upward Shale Gas Well
Dengbo Yang, China National Petroleum Corporation

9:45 - 10:00

Break

Productivity Improvement Case Study

Steve Olsen & Alfredo Fayard

10:00 - 10:30

2018-NAPS-04

An Integrated Scientific Workflow Enables Successful Perforating Operations in Offshore Southeast Asia
Rajani Satti, Baker Hughes

10:30 - 11:00

2018-NAPS-45

Evaluating Consistent Hole Charges vs DP Charges in Unconventional PNP
Cam Le, Shell

11:00 - 11:30

2018-NAPS-29

P&A Operations and the Emerging US Domestic Market
Justin Coker, Owen Oil Tools

11:30 - 12:00

2018-NAPS-10

Discussion and Application of aftereffect perforating technology
Guanghua Mu, China National Petroleum Corporation

12:00 - 13:00

Lunch

Perforating Dynamics

Cam Le & Armando Velasquez

13:00 - 13:30

2018-NAPS-03

Proppant Erosion During Fracturing: From Wellhead to Perforations
George King, Apache

13:30 - 14:00

2018-NAPS-22

Autonomous Initiation Systems – Development Update and Field Trial Planning
Adam Dyess, Hunting Titan

14:00 - 14:30

2018-NAPS-49

Environmental Parameters for Cutters & Severing Tools - A Case for Industry Action
John Carminati, Shell

14:30 - 15:00

Break

Perforation Modeling

David Ayre & Andy Pettitt

15:00 - 15:30

2018-NAPS-46

High-Fidelity Finite Element Analysis of Deepwater Gun-Parting Failures
John Rodgers, Starboard Innovations

15:30 - 16:00

2018-NAPS-20

Perforation Damage, Cleanup, and Inflow Performance: Advances in Diagnostics and Characterization
Brenden Grove, Halliburton

16:00 - 16:30

2018-NAPS-47

Collapse Testing and Modeling of Perforating Guns Carriers
Thomas Turkalj, Tenaris

16:30 - 17:00

2018-NAPS-50

Finite Element Analysis of Perforation Patterns in Production Liners Exposed to Subsidence
Greg Bailey, Shell

Tuesday, July 31

Moody Gardens, Galveston, Texas

Poster Sessions and Cocktail Reception

	2018-NAPS-06	Successful Deployment of Propellants Combined with Acid Treatment Improved Productivity in Middle East Formation <i>Khaled Gasmfi, Baker Hughes</i>
	2018-NAPS-09	Analysis of Effects of Ultra-deep Well Perforation on Anti-squeeze Performance of Casing <i>Jianbo Chen, China National Petroleum Corporation</i>
	2018-NAPS-12	Method of Reducing Production Cost and Improving Perforation Effect Under Low Oil Price Environment <i>Xinsheng Wang, Daqing branch, CNPC Logging Company</i>
	2018-NAPS-13	Maximizing Operational Efficiency for Fully Composite Multistage Completions , Quicker Stages, Less Water, More Dollars <i>Omar Mohamed, Downhole Technology</i>
	2018-NAPS-19	Perforation Performance Simulation in Complex Plug and Abandonment Scenarios <i>Thomas Burky, Halliburton</i>
17:00 - 19:00	2018-NAPS-41	Modeling of Shaped Charge Jet Penetration in Stressed Formation Rock <i>David Damm, Schlumberger</i>
	2018-NAPS-39	Unleashing the Potential of Wireline Perforating <i>Carlos Eduardo, Schlumberger</i>
	2018-NAPS-35	HP Perforating - A Case for Low-Shock Low-Debris Guns and Reliable Gunshock Simulation <i>Carlos Baumann, Schlumberger</i>
	2018-NAPS-26	Survival of an Optical Fiber Flatpack due to Perforation <i>Gerald Craddock, Halliburton</i>
	2018-NAPS-25	Perforation Crushed Zone Characteristics for Deep Penetrating and Big Hole Charges <i>Gerald Craddock, Halliburton</i>
	2018-NAPS-52	Analysis of Setting Tool Shock and Methods to Mitigate Impact <i>Adam Dyess, Hunting Titan</i>

Awards Dinner

John Carminati & Alphie Wright

NAPS 2018 AWARDS:

Mark Brinsden. In recognition of his contributions to the Perforating Industry of which included the founding of the International Perforating Forum along with its Executive Committee, and active leadership and participation within the API RP-67 and RP-19B committees.

Frank Preiss. In recognition of his contribution made to the advancement of Perforating Safety for his assistance with maintaining an industry incident database for the current industry incident reporting system, available via perforators.org.

Jim Ellis. In recognition of his technical contributions to the Perforating Industry that were foundational to the development of the PX-1 Expendable Fireset designed to be immune from stray voltages and RF environment.

Claude Jones. In recognition of his technical contributions to the Perforating Industry of which includes the research, design and record-setting performances of many different sizes of shaped charges manufactured by Schlumberger Oilfield Services.

Tim Golian. In recognition of his contributions to the Perforating Industry of which included a long-standing committee member and active Secretary of the API RP-19B committee for 20+ years.

Wednesday, August 1

Moody Gardens, Galveston, Texas

7:00 - 8:00 **Breakfast and Registration**

8:00 - 8:15 **IPFCo State of the Organization**

Novel Perforating Concepts

Frank Preiss & Brenden Grove

8:15 - 8:45 2018-NAPS-01 **A New Concept For Perforating That Integrates Propellant and Shaped Charges**

Nadir Nery, Allied-Horizontal Wireline Services

8:45 - 9:15 2018-NAPS-07 **Perforating for Hydraulic Fracturing: Next-Generation Technologies for Unconventional Well Completions**

Jim Gilliat, Baker Hughes

9:15 - 9:45 2018-NAPS-15 **Measuring In-Situ Perforation Performance Using Downhole Video Images**

Glyn Roberts, EV

9:45 - 10:00 **Break**

Perforation Testing

Mark Brinsden & James Barker

14:30 - 15:00 2018-NAPS-21 **Matching Field Conditions in the Perforation Laboratory: How Close is Close Enough?**

Phil Crabtree, Chevron ETC

15:00 - 15:30 2018-NAPS-05 **A Flow Laboratory Study of an Enhanced Perforating System Designed for Well Stimulation**

Tim Sampson, Baker Hughes

15:30 - 16:00 2018-NAPS-31 **RDX vs HMX Performance in Modern Perforating**

Shaun Geerts, Owen Oil Tools

16:00 - 16:30 2018-NAPS-43 **Lifetime extension of HMX under demanding time-temperature conditions**

David Skyler, Schlumberger

12:00 - 13:00 **Lunch**

Operational Efficiency Improvements

David Smith & Kerry Daly

13:00 - 13:30 2018-NAPS-17 **Oriented Perforating System for Sand Prevention in Vertical Wells**

Jason Cook, Halliburton

13:30 - 14:00 2018-NAPS-40 **Setting a New Pace in Perforating**

Fernando Garcia-Osuna, Schlumberger

14:00 - 14:30 **Break**

Perforation Testing

Bill Myers & Matthew Clay

14:30 - 15:00 2018-NAPS-14 **Shaped Charge Performance Evaluation Section IV - What is the best method for post shot flow evaluation?**

Liam McNelis, DynaEnergetics

15:00 - 15:30 2018-NAPS-38 **Pore-Scale Analysis of Crushed Zone Damage in Indiana Limestone**

Andrew Seagraves, Schlumberger

15:30 - 16:00 2018-NAPS-24 **Laboratory Observations of Dynamic Effective Stress Associated with Dynamic Underbalance on Lower Strength Formations**

Dennis Haggerty, Halliburton

16:00 - 16:30 2018-NAPS-11 **Consistent Entry Hole Perforators, Know The Difference**

James Kinsey, Owen Oil Tools

Thank you to our NAPS 2018 Sponsors:

PLATINUM



HALLIBURTON

Schlumberger



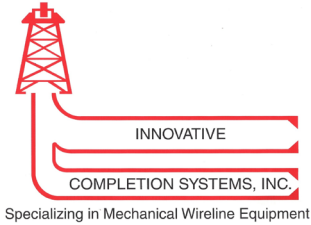
GOLD



Steel/Tube



SILVER



BRONZE



NON-EXHIBITOR



STEEL ALLOYS & SVCS.

