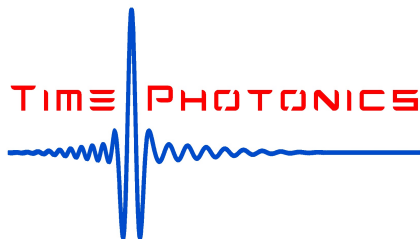


Unclassified Program  
Bankhead Theater, Livermore, CA  
June 7 – 9, 2016





# Photonic Doppler Velocimetry Workshop 2016 Livermore, California

## Agenda for Tuesday, June 7, 2016

### The Bankhead Theater – Downtown Livermore

Start Time	Speaker	Talk	Location
9:00am		Registration & Hospitality	Grand Lobby
9:30am	Jose Sinibaldi LLNL	Introductory remarks and greetings	Performance Hall
9:40am	Daniel Wentzel NASA	Plenary Talk 1:PDV as a diagnostic tool for separation mechanisms, particle impact, and hypervelocity testing	Performance Hall
10:20am	Pat Ambrose LLNL	PDV Paraxial Scalar Diffraction Theory	Performance Hall
10:40am		Meet Exhibitors & Hospitality	Grand Lobby
11:00am	Jean-Eloi Franzkowiak CEA	Dual channel polarization-controlled PDV (and double analysis)	Performance Hall
11:20am	Brandon Medina LANL	Determining Time of Initial Motion	Performance Hall
11:40am	Dale Tupa LANL	PDV development at the LANL Proton Radiography Facility: smaller, cheaper, lower bandwidth	Performance Hall
12:00pm		Lunch – No Host	
1:20pm	Mike Bowden AWE	Simultaneous PDV and high speed imaging	Performance Hall
1:40pm	Tommy Ao SNL	Development of a 1064 nm PDV system	Performance Hall
2:00pm	Jean-Marc Chevalier CEA	VISAR and PDV Measurements of Polyurethane foam under pyrotechnic shock	Performance Hall
2:20pm	Geoffey Taber OSU	Determining shape evolution of electrothermally launched flyers in impact welding with multi-point PDV	Performance Hall
2:40pm	David Borlaug UCLA	Modulation Index Boosting (MiBo) and enhanced PDV sensitivity for unconventionally high-velocity objects	Performance Hall
3:00pm		Meet Exhibitors & Hospitality	Grand Lobby
4:30pm		Adjourn	

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### Agenda for Wednesday, June 8, 2016

#### The Bankhead Theater – Downtown Livermore

Start Time	Speaker	Talk	Location
8:45am		Registration & Hospitality	Grand Lobby
8:55am	Jose Sinibaldi LLNL	Introductory remarks and greetings	Performance Hall
9:00am	Kirk Miller NSTec	Plenary Talk 2: New concepts for improving dynamic range in MPDV systems	Performance Hall
9:40am	<del>Brandon LaLone</del> NSTec	<del>2-Fiber Probes for Robust PDV Measurements</del>	Performance Hall
10:00am	Michael Pena NSTec	Some practical issues in Deep-time Multiplexing	Performance Hall
10:20am		Meet Exhibitors & Hospitality	Grand Lobby
10:40am	Abel Diaz NSTec	MPDV Analysis: Inside the Black Box	Performance Hall
11:00am	Gabriel Prudhomme CEA	Noise in PDV Systems	Performance Hall
11:20am	Ed Daykin NSTec	PDV APPS	Performance Hall
11:40am	Pat Harding LANL	Analyzing PDV Spectrograms with Likelihood Methods	Performance Hall
12:00pm		Lunch - No Host	
1:40pm	<del>Marcus Chavez</del> SNL	<del>Embedded Fiber Optic sensors for measuring transient Detonation/ Shock behavior: Time of arrival detection &amp; waveform determination</del>	Performance Hall
2:00pm	Bob Malone NSTec	Historical perspective on the evolution of mPDV probe designs	Performance Hall
2:20pm	Daniel Frayer NSTec	Recent applications, designs, and sundry improvements in PDV optical probes	Performance Hall
2:40pm	Terry Salyer LANL	Potential Velocimetry Extensions of the Spectrally Encoded Imaging (SEI) Diagnostic	Performance Hall
3:00pm		Meet Exhibitors & Hospitality	Grand Lobby
3:20pm	Robert Saponas Keysight	Continual Advancements in Digitizer Technologies	Performance Hall
3:40pm	Chris Loberg Tektronix	Time Alignment of Channels and Trigger Time Offset Values across Multiple Real-Time High Bandwidth Oscilloscope Channels	Performance Hall
4:00pm	Stephen Muller Teledyne LeCroy	Oscilloscopes for PDV: Tips for getting more out of your scope	Performance Hall
6:00pm		Banquet & Reception	Casa Real
7:00pm	Bahram Jalali UCLA	Banquet Plenary Talk by Professor Jalali	Casa Real
9:00pm		Adjourn	



### Agenda for Thursday, June 9, 2016

#### The Bankhead Theater - Downtown Livermore

Start Time	Speaker	Talk	Location
8:45am		Registration & Hospitality	Grand Lobby
8:55am	Jose Sinibaldi LLNL	Introductory remarks and greetings	Performance Hall
9:00am	Brandon LaLone NSTec	Plenary Talk 3: Broadband Laser Ranging for explosive experiments	Performance Hall
9:40am	TBD	TBD	Performance Hall
10:00am	Natalie Kostinski LLNL	Optical Ranging Analysis	Performance Hall
10:20am		Meet Exhibitors & Hospitality	Grand Lobby
10:40am	Brandon LaLone NSTec	Optical Ranging Interferometer Considerations	Performance Hall
11:00am	Ted Strand NSTec	Deriving BLR Parameters from First Principles	Performance Hall
11:20am	Ted Strand NSTec	Distance Uncertainties in the BLR due to Noise in the Time Domain Data	Performance Hall
11:40am	Patrick Younk LANL	Broadband Laser Ranging: Optimizing the Design for Different Experiments	Performance Hall
12:00pm		Lunch - No Host	
1:40pm	Jidong Weng IFP, PRC	Optical fiber frequency domain interferometer for centimeters range measurements with high resolution	Performance Hall
2:00pm	Jose Sinibaldi LLNL	Closing remarks and next PDV Workshop planning meeting	Performance Hall
4:00pm		Adjourn	Performance Hall

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