

ADCPs in Action 2009 Schedule

Updated 09/29/09

Schedule is subject to change

Time	Sunday, October 4, 2009
	Kick off your busy week with one of our "relaxing" planned weekend activities!
8:00 am - 2:00 pm	AiA Golf Tournament: Rancho Bernardo Inn; \$70 includes green fees, cart and lunch (transportation available at no extra charge)
9:30 am - 4:00 pm	Wine Tasting at the nearby Temecula Wineries; Cost \$25 for transportation which is provided - Contact Julie Harris to express interest (jharris@teledyne.com)
10:00am - 12:30 pm	Surfing lessons with our local natives! - Contact Julie Harris to express interest (jharris@teledyne.com)
4:00 pm - 6:00 pm	Registration / Ice Breaker at the Catamaran Resort - Sponsored by Flotation Technologies!
6:00 ---	Armchair quarterbacking with Darryl! (Televised San Diego Chargers Game) -- Don't stay out too late! Busy day tomorrow!

Time	Monday, October 5, 2009			
8:00 am - 9:15 am	Registration / Continental Breakfast / Co-Sponsor Exhibits - Kon Tiki Ballroom			
9:15 am - 10:00 am	Welcome / Introductions / "State of the Nations" Address - Aviary Ballroom			
10:00 am - 10:30 am	Morning Break / Informal Discussions / Co-Sponsor Exhibits - Kon Tiki Ballroom			
	Marine Measurements Speakers - Boardroom	Water Resources Speakers - Macaw Room	Navigation Speakers - Cockatoo Room	Marine Measurements Speakers - Toucan Room
10:30 am - 11:00 am	Oil & Gas: "ADCP Deployment and Retrofit Strategies to Support the MMS NTL"; Craig Campman - BMT Scientific Marine Services, USA	USGS: "Velocity Bias Caused by Flow Patterns around ADCPs and Tethered Boats"; Dave Mueller - USGS	Divers: "Mapping reef structure and bathymetry in Belize using Cobra-Tac"; Phillip Lobel - Boston University, USA (co-authors Peter Stetson and Burton Shank)	Ocean Observing Systems: "Gateway Buoys and SMART Release Modems Transmit ADCP Data for Short-Term Navy Exercises"; S. Craig Cumbee, NAVO, USA
11:00 am - 11:30 am	Oil & Gas: "A real-time multiplatform ADCP system to support production flowline installation"; Mike Brewer - Fugro Geos Ltd., UK	USGS: "Hydrodynamics of the Outlet of Lake Huron and the Upper St. Clair River Revealed by Acoustic Doppler Current Profiling"; Kevin Oberg - USGS	Divers: "Analysis of bottom-track and compass error in a self-contained acoustic Doppler diver navigation console"; Jim Hench - Duke University, USA	Ocean Observing Systems: "The Missing Link USF's Ocean Circulation Group Deploys the 'DVS'"; Rick Cole - Univ. of South Florida-Ocean Circulation Group, USA
11:30 am - 12:00 pm	Oil & Gas: "Mooring Design Considerations for buoy-based wave measurements in water depths greater than 50 meters"; Jon Wood - Ocean Data Technologies, Inc., USA	ADCPs Around the World: "Innovations in shallow water bathymetry using ADCP's"; Dave Steer - Sentinel Pty Ltd, Australia	Special Applications: "DVLs and Mine Counter Measures"; Lt. Josh Frye, U.S. Navy, MCM Squadron 2, San Diego, CA	ADCPs on Subsurface Vehicles: "Wave Glide: A Wave Powered Autonomous Surface Vehicle for long term deployments of a variety of payloads in the world's oceans and large lakes"; Eric Brager and Tim Richardson - Liquid Robotics, USA
12:00 pm - 1:30 pm	Lunch provided on the Beach			
	Marine Measurement Product / Software Training - Boardroom	Water Resources Product / Software Training - Macaw Room	Navigation Product / Software Training - Cockatoo Room	Marine Measurement Product / Software Training - Toucan Room
1:30 pm - 2:15 pm	Mastering the Seas	Tome of Knowledge Series #1: PlanCV - H-ADCP and the index velocity method	Special Applications: "WAVEDAS - Waves and Currents from Moving Platforms"; George Brodie - H CIV	Storming the Citadel: An Insiders Look at our New CTD Product Line
2:15 pm - 3:00 pm		There and Back Again - the new V-ADCP takes stationary data collection back to the vertical	Phased Array Capabilities & Products	
3:00 pm - 3:30 pm	Afternoon Break / Informal Discussions / Poster Papers / Co-Sponsor Exhibits - Kon Tiki Ballroom	An Intimate Afternoon with the new RiverRay ADCP - 3:00pm - 4:00pm	Afternoon Break / Informal Discussions / Poster Papers / Co-Sponsor Exhibits - Kon Tiki Ballroom	
3:30 pm - 5:00 pm	DVS Unplugged!	RiverRay Product DEMO offsite 4:00pm - 6:00pm. Pre-registration required at Registration Desk by Monday at 12pm	Navigation Team Members available for One-on-One meetings	
5:00 pm - 6:30 pm	Cocktail Hour in Co-sponsor Exhibit Area - Kon Tiki Ballroom			

Time	Tuesday, October 6, 2009			
8:30 am - 9:00 am	Continental Breakfast / Co-Sponsor Exhibits - Kon Tiki Ballroom			
	Marine Measurements Speakers - Boardroom	Water Resources Speakers - Macaw Room	Navigation Speakers - Cockatoo Room	Marine Measurements / Water Resources Speakers - Toucan Room
9:00 am - 9:30 am	Oil & Gas: "HADCPs in Concert"; Igor Prislín - BMT, USA	ADCPs Around the World: "A Field Trip to the Congo — Hydroacoustic Measurement"; John Shelton - USGS	Navigation: "Lodestar: An AHRS and INS, designed for integration with Offshore Acoustic Positioning Applications"; Shaun Dunn - Sonardyne, USA	Biological Oceanography: "Liverpool Pilot Project - Measuring waves and currents in Nova Scotia, Canada"; Mark TeKamp - Nova Scotia Department of Fisheries and Aquaculture, Canada
9:30 am - 10:00 am	Oil & Gas: "Variations in Dynamic Drag Characteristics of Flotation Technologies Deployment Solutions"; Abhay Naik MSME, Flotation Technologies, Inc., USA	ADCPs Around the World: "Visualizing Flow Structure from ADCP Data: Application of a new velocity mapping tool to data from the lower Congo River"; Ryan Jackson - USGS	Navigation: "Highlights from Nereus Field Trials and Future ADCP Applications in Navigated Deep Descent"; Jordan Stanway - Woods Hole Oceanographic Institution (WHOI), USA	Ocean Observing Systems: "Achieving CTD Accuracy and Stability in Dynamic Ocean Environments"; Calvin Lwin - Seabird Electronics, USA
10:00 am - 10:30 am	Morning Break / Informal Discussions / Poster Papers / Co-Sponsor Exhibits - Kon Tiki Ballroom			
10:30 am - 11:00 am	Ocean Observing Systems: "Latest Advances in the SeaSonde® HF RADAR for Improved Coastal Monitoring"; Chad Whelan - Cedar Ocean Sensors Ltd., USA	ADCPs Around the World: "Navigation Support with Real Time Current Velocity Display"; Jay Kilroy - Instrumental Solutions Inc., USA	ROVs: "ROV & Diver Tracker: an application of TRDIs Explorer for tracking in real time the position of a ROV and for recording the position and the point of interest marked by a diver."; Maurizio Banfi - Studio Ing. Banfi SAS, Italy	ADCPs Around the World: "Effect of Fluctuation of a Moving Boat Equipped With ADCP on Velocity-profiles and Water-depths Measurements"; Shoji Okada - Kochi National College of Technology, Japan
11:00 am - 11:30 am	Ocean Observing Systems: "Comparison of Buoy- and Bottom-Mounted 300 kHz ADCPs"; Richard Crout - National Data Buoy Center, USA	Sediments: "The Measurements of the Sediment Diffusion Field by Using ADCPs at the 10th Disposal Area in the North Passage of the Yangtze Estuary"; Mr. Zhilin Zang - Changjiang Water Resources Commission, China	ROVs: "Positioning small ROVs with the Explorer Phased Array DVL"; Jeff Snyder - SeaVision Marine, USA	Sediments: "Developing an automatic water/sediment discharge measurement system with O-ADCP"; Atsuhiko Yorozuya - International Centre for Water Hazard and Risk Management under the auspices of UNESCO Research Institute, Japan
11:30 am - 12:00 pm	Ocean Observing Systems: "An Intercomparison of Acoustic Current Meters on the Scotian Shelf"; Adam Drozdowski (<i>Author: Murray Scottney</i>) - Bedford Institute of Oceanography, Canada	Sediments: "Using an ADCP workhorse, ChannelMaster and Streampro to measure bed load transport in tropical rivers, Northern Territory Australia"; David Williams - Australian Institute of Marine Science, Australia	ROVs: "Organic, Low Cost, Small Footprint, Smart ROVs for Ship's Hull Inspection in a Resource Constrained Environment"; Scott Reed, SeeByte, UK	
12:00 pm - 1:30 pm	Lunch provided on the Beach			
	Marine Measurement Product / Software Training - Boardroom	Water Resources Product / Software Training - Macaw Room	Navigation Product / Software Training - Cockatoo Room	One-on-One meetings with our staff - Toucan Room
1:30 pm - 3:00 pm	The Complete Field User's Guide to the Long Ranger 75kHz - A Field Stripping exercise	Moving Bottoms to Mischievous Fish - River data quality analysis	Explorer ROV Integration Workshop	
3:00 pm - 3:30 pm	Afternoon Break / Informal Discussions / Co-Sponsor Exhibits - Kon Tiki Ballroom			
3:30 pm - 5:00 pm	Journey to the Center of the WorkHorse - A practical guide	ADCP Deployments from a Remotely-Operated Vessel - by Oceanscience	Navigation Team Members available for One on One meetings	
7:00 pm - 10:00 pm	Casino Night is back by popular demand! - Aviary Ballroom (Event name badge or event ticket required for entry)			

Time	Wednesday , October 7, 2009			
	Marine Measurements Speakers - Boardroom	Water Resources Speakers - Macaw Room	Navigation Speakers - Cockatoo Room	One-on-One meetings with our Field Service Team - Toucan
8:30 am - 9:00 am	Continental Breakfast / Co-Sponsor Exhibits - Kon Tiki Ballroom			
9:00 am - 9:30 am	Hydrographic / Vessel Traffic Safety: "Use of ADCPs to support Port & Harbor Operations & Coastal Engineering"; Jeff Cox - Evans-Hamilton, Inc., USA	Comparison Measurements: "Streampro ADCP Compared to Wading with Conventional Flow Measurement Systems"; Lawrence Schinkel - Alberta Agriculture and Rural Development, Canada	Inertial Navigation: "PHINS+DVL: Real World Examples of the Benefits of Pairing an Inertial Navigation System with a Doppler Velocity Log."; Rick Morton - IXSEA, France	One-on-One meetings with our Field Service Team. Contact rdifs@teledyne.com to schedule a meeting time in advance.
9:30 am - 10:00 am	Hydrographic / Vessel Traffic Safety "ADCP in the Turkish Straits"; Mustafa Ozyalvac - Office of Navigation, Hydrography and Oceanography, Turkey	Comparison Measurements: "Regional Inter-comparative ADCP Discharge Measurement"; Borivoj Terek - DHMZ, Croatia	AUVs: "Use of a DVL in a Autonomous Underwater Vehicle for a Rapid Environmental Assessment - Current and navigation issues"; Christophe Vrignaud (Co-author Jean Meyrat) - SHOM, France	
10:00 am - 10:30 am	Morning Break / Informal Discussions / Co-Sponsor Exhibits - Kon Tiki Ballroom			
10:30 am - 11:00 am	Renewable Energy: "Hard-wired (continuous) ADCP measurements at EMEC's Tidal Energy test site"; John Lawrence - European Marine Energy Centre, UK	Comparison Measurements: "Using the StreamPro to Develop a Stage-discharge Rating Curve in a Concrete-lined Canal"; Aren Hansen - Brown and Caldwell, USA	AUVs: "An Overview of Autonomous Underwater Vehicle Research and Testbed at PeRL"; Hunter Brown (Author: Ryan Eustice) - University of Michigan, USA	One-on-One meetings with our Field Service Team. Contact rdifs@teledyne.com to schedule a meeting time in advance.
11:00 am - 11:30 am	Renewable Energy: "The use of Acoustic Doppler Current Profilers in the Environmental and Performance Evaluation of the Seagen Tidal Turbine"; Cuan Boake - Renewable Energy Research Group, QUB	Comparison Measurements: "The Environment Agency ADCP Regatta. Strawberries and Pimms by the river - and a proper test of our instruments."; Nick Everard - Environment Agency, UK	AUVs: "ADCPs in action beneath a floating glacier: Autosub3 AUV mission experiences"; Gwyn Griffiths - National Oceanography Centre, Southampton, UK	
11:30 am - 12:00 pm	Renewable Energy: "Turbulence Measurements in a Tidal Strait using a Stationary, Bottom-Mounted ADCP"; Jonathan Colby - Verdant Power, USA	Comparison Measurements: "Discharge Measurement in Open Channels of Small Hydropower Stations using Broadband Acoustic Doppler Current Profilers"; Professor H K Verma, Dept of Electrical Engineering, Indian Institute of Technology Roorkee, India	AUVs: "Antarctic Deployment of the ENDURANCE Under-Ice Hovering AUV"; Bart Hogan - Stone AeroSpace Inc., USA (co-authors: K. Richmond, C. Flesher, S. Gulati and W. Stone)	
12:00 pm - 1:30 pm	Grab lunch at one of the many near by restaurants			
	Marine Measurement Product / Software Training - Boardroom	Water Resources Product / Software Training - Macaw Room		
1:30 pm - 3:00 pm	3 Dynamic Challenges of Waves Processing	Steps to a Good River Discharge		
3:00 pm - 3:30 pm	Afternoon Break / Informal Discussions - Kon Tiki Foyer			
3:30 pm - 5:00 pm	Real Data, Right Now!	The 5 Things You MUST Know About TRDI's WinRiver II Software		