

Radiowave Oceanography Workshop		
ROW 2007 Hotel Le Meridien, Cancún, México		
Sunday May 27		
1300-1600	K-W Gurgel, T Helzel	Beginners seminar: Introduction to HF radar. Remote ocean sensing with over the horizon radar - principles, features and limitations
1700-2000	Registration	
1700-2000	Icebreaker	
Monday May 28		
0845-0900	Reginaldo Durazo	Welcome address
Algorithms and Development. Chair: Nick Shay		
0900-0930	Libe Washburn	Recent experiments on data procedures, algorithm development, and antenna modifications using an array of current-measuring radars on the South-Central California Coast
0930-1000	Yaël Demarty	Exact electromagnetic modelling of the scattering of realistic sea surfaces for HFSWR applications
1000-1030	Chad W Whelan	Dual frequency band operation: Applications for experimental and operational oceanography
1030-1100	Coffee	
1100-1130	Lucy R Wyatt	Averaging requirements for HF radar wave measurement
1130-1200	Anthony Bourges	The study of the Bragg lines spreading for high frequency surface wave radar based on sea floating antennas concept
1200-1230	Thomas Helzel	Compact WERA site geometry: Simulations and first results
1230-1400	Lunch	
Algorithms and Development continued. Chair: Libe Washburn		
1400-1430	Jeffrey D Paduan	Multi-year HF radar network failure statistics plus a look at wind-induced noise
1430-1500	Klaus-Werner Gurgel	WERA ship detection and tracking
1500-1530	Sung Yong Kim	An objective mapping approach to compute surface current vectors from high-frequency radar
1530:1600	Coffee	
1600-1630	Andrew Middleditch	An instantaneous frequency filtering technique for HF radar ocean sensing
1630-1700	Tony de Paolo	Skill assessment of resolving ocean surface current structure using compact-antenna style HF RADAR and the MUSIC direction finding algorithm

Tuesday May 29

Applications. Chair: Eric Terrill

0900-0930	Nick Shay	Resolving horizontal surface velocity shears of the Florida Current using Wellen Radars
0930-1000	Naoto Ebuchi	Short-term variation in the Soya Warm Current observed by HF ocean radars and coastal tide gauges
1000-1030	Michael Kosro	HF Radar: tales from the Pacific Northwest
1030-1100	Coffee	
1100-1130	Phil Muscarella	Tidal currents at the Delaware Bay mouth from a new HF radar network
1130-1200	Kaoru Ichikawa	Variations of the Kuroshio in the upstream region as seen by the HF radar and altimetry data
1200-1230	Hezi Gildor	Stirred and mixed (but not shaken): Submesoscale processes in the Gulf of Eilat
1230-1400	Lunch	

Applications (continued). Chair: Jeff Paduan

1400-1430	Andy L Sybrandy	Interpretation of HF radar derived surface currents with arrays of GPS-located, reusable drifters
1430-1500	Shoichiro Kojima	Sea surface observation in the southwest part of East China Sea by 9.25MHz Ocean Radar
1500-1530	Evaristo M Rojas-Mayoral	Recent advances to measure surface winds using HF radar system in the Gulf of Tehuantepec
1530-1600	Coffee	
1600-1630	Eric Terrill	Update on developing a scaleable, realtime network for HF radar-75 systems and going strong
1630-1700	Laura E Carrillo Bibriezca	Nearshore currents close to a strong alongshore current (Yucatan Current)
1700-1730	Zhu Da-yong	Quality analyses of currents measured by OSMAR HF radar in Taiwan Strait

Wednesday May 30		
Applications (continued). Chair: Paco Ocampo Torres		
0900-0930	Hezi Gildor	Open-boundary modal analysis: extrapolation, interpolation, and filtering of surface radar data
0930-1000	Rafael Hernández-Walls	Lagrangian drifters to estimate horizontal diffusion coefficients in the Gulf of Tehuantepec using HF radar systems
1000-1030	Josh Kohut	System setup, implementation and validation of a fully nested regional HF Radar system for the Mid-Atlantic Bight
1030-1100	Coffee	
1100-1130	Scott Glenn	Application of HF Radar surface current maps to long-term climatologies and storm events in the New York Bight
1130-1200	Yutaka Yoshikawa	Surface Current Variations and Wind Driven Flow in the Tsushima Strait
1230-1800	Field trip to Coba	
1930-	ROW 2007 Dinner at Playa del Carmen	
Thursday May 31		
Monitoring and Surveillance, Chair: Klaus-Werner Gurgel		
0900-0930	Emilie Bronner	WAVEOBS project: Sea state monitoring by HF sky wave radar
0930-1000	David Kaplan	Status of the Northern California HF radar network and some new developments in HF Radar processing technology
1000-1030	Brian Haus	Wave directional spectra observations over strong currents using WERA HF Radar
1030-1100	Coffee	
1100-1130	Paco Ocampo Torres	Wave information from WERA system in the Gulf of Tehuantepec
1130-1200	Jaak Harlan	Frequency allocation update: sharing space and frequencies in HF radar networks (discussion session)
1200-1230	tba	Planning future ROW venues
1230	Meeting ends	
Friday June 1		
0900-1230	WERA Users Meeting	