SCHEDULE

TUESDAY, OCTOBER 17, 2006

8:00 a.m.	Introduction, Opening remarks, Workshop goals Marti Ikehara, National Geodetic Survey (NGS)
8:15 a.m.	Geoid Modeling and Corrector Surfaces Greg Helmer, RBF Consulting
10:00 a.m.	Break
10:30 a.m.	The Inaugural Bill Young Memorial Lecture The Application of InSAR for Optimizing and Designing GPS Networks; and an Overview of InSAR Measured Subsidence Throughout California Gerald Bawden, Ph.D., United States Geological Survey
12:00 p.m.	Lunch. Exhibits open.
1:00 p.m.	Real Time GPS Issues, California Real Time Network, Use of CRTN Yehuda Bock, Ph.D., California Spatial Reference Center (CSRC)
3:00 p.m.	Break in Exhibit Hall
3:30 p.m.	OPUS and OPUS-related Issues Joe Evjen, National Geodetic Survey
5-6:30 p.m.	Exhibitor's Reception in Exhibit Hall

WEDNESDAY, OCTOBER 18, 2006

8:00 a.m.	IT Developments at CSRC Yehuda Bock, Ph.D., and Michael Scharber, CSRC
9:30 a.m.	Break with Exhibitors
10:00 a.m.	Using and Processing Continuous GPS Data Cecilia Whitaker, Metropolitan Water District
12:00 p.m.	Lunch and Exhibits
1:30 p.m.	High-Definition Surveying and Dynamic Positioning Kevin Akin, Caltrans
3:00 p.m.	Break
3:30 p.m.	ESRI Survey Analyst Program: Epoch Dating and Related Issues Kevin Kelly, ESRI

Co-sponsored by the California Spatial Reference Center and the Business and Economic Development Center of the Los Rios Community College District.

SPATIAL REFERENCE SYSTEMS WORKSHOP

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REGISTRATION FORM

Please register me for the Spatial Reference Systems Workshop

- $350 before September 15, 2006
- $350 per person for groups of six (6) or more
- $400 after September 15, 2006

Registration includes continental breakfast, lunch for both days and exhibitor reception. The conference hotel has free parking.

HOTEL

Please call the Radisson Hotel Sacramento at 1.800.333.3333, and mention the California Spatial Reference Center Workshop when you make your reservation.

I enclose a check made payable to UC Regents in the amount of $_____ to cover _____ registration(s). Please fill out separate form for each registrant.

MAIL CHECK TO

Maria Turingan
California Spatial Reference Center (CSRC)
Dept IGPP, SIO, UCSD
9500 Gilman Drive #0225
La Jolla, CA 92093

Full name (please print)_____

Title_____

Address_____

City_____ State_____ Zip Code_____

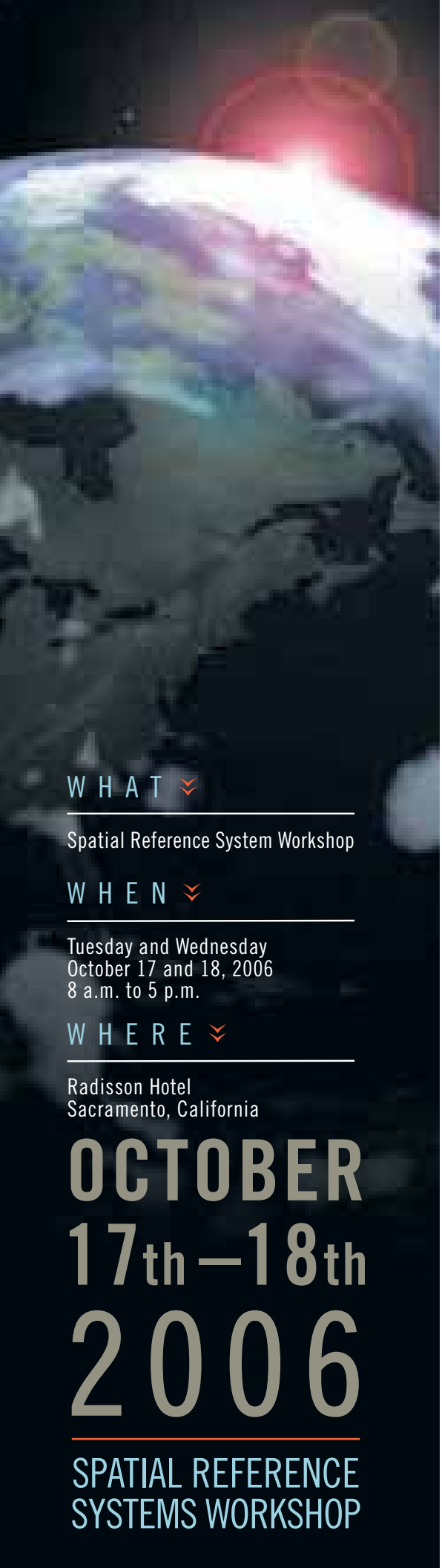
Firm/Agency/College_____

Daytime Phone_____ E-mail address_____

Special meal requirements_____

CSRC can only accept checks for registration. You may fax your registration form to the number below and then send a check to the above address. Agencies wishing to discuss other arrangements may contact Maria Turingan at the California Spatial Reference Center (CSRC).

Phone: 858.822.2156
Fax: 858.534.9873
E-mail: mariaturingan@ucsd.edu
CSRC website: http://csrc.ucsd.edu



WHAT

Spatial Reference System Workshop

WHEN

Tuesday and Wednesday
October 17 and 18, 2006
8 a.m. to 5 p.m.

WHERE

Radisson Hotel
Sacramento, California

OCTOBER 17th–18th 2006

SPATIAL REFERENCE SYSTEMS WORKSHOP

BIOGRAPHIC SKETCHES of PRESENTERS

GREG HELMER

Greg Helmer is a Professional Land Surveyor in California, Colorado, Nevada and Arizona with over twenty-five years of experience in geodetic control, boundary surveying and mapping. As a Senior Vice President with the firm of RBF Consulting, he has been an innovator for advanced technologies and is nationally recognized for his contributions to GPS surveying and high-precision geodesy. Mr. Helmer's experience includes GPS training for public and private organizations, and GPS-related publications and seminars for local and national professional organizations. Mr. Helmer is a contributing author to the National Height Modernization Program at NOAA, and is the immediate past Chairperson of the California Spatial Reference Center at Scripps Institution of Oceanography.

GERALD W. BAWDEN, Ph.D.

Gerald W. Bawden, Ph.D., is the chief scientist of the USGS Western Remote Sensing and Visualization Center in Sacramento where his group focuses on measuring land subsidence with satellite radar (InSAR) and assessing natural hazards with ultra high resolution 4D surface change with ground based LiDAR. He also chairs the Plate Boundary Observatory GPS site selection committee for the San Andreas fault.

YEHUDA BOCK, Ph.D.

Yehuda Bock, Ph.D., is a research geodesist and senior lecturer at UCSD's Scripps Institution of Oceanography. Over the last 25 years, he has developed high-precision GPS technology, applied it to a variety of geophysical and civil applications, and authored more than 90 peer-reviewed publications. Dr. Bock pioneered the development of continuous GPS networks and was a founding member of the IGS and SCIGN. He directs the Scripps Orbit and Permanent Array Center (SOPAC), the California Spatial Reference Center (CSRC), and the California Real Time Network (CRTN).

MICHAEL SCHARBER

Michael Scharber is the IT manager of various projects headed by Dr. Yehuda Bock at the California Spatial Reference Center. Mr Scharber has more than eight years experience in scientific application development, database administration, web interface design, GIS analysis and systems integration. His specific expertise lies in Perl, C and JavaScript programming, with professional experience in requirements gathering, conceptual data modeling, relational and XML schema design, and project development.

JOE EVJEN

Joe Evjen is a geodesist with NOAA's National Geodetic Survey, Project Development Branch, currently involved with the development of GPS survey guidelines. In ten years at NOAA, Mr. Evjen has participated in a variety of surveying and oceanographic projects, including planning and field operations for GPS High Accuracy Reference Network (HARN) surveys in Kentucky, Georgia, Michigan, and Honduras; deep ocean bathymetric mapping off the coasts of Louisiana and Virginia, oil spill studies in the Persian Gulf, hydrographic charting along the New England coast, and gravimmetry studies in the remote Hawaiian Islands. Work with NOAA has taken Joe from triangulation stations at the tops of mountains to wreck investigations at the bottom of the ocean. A native of Gainesville, Florida, Joe was graduated with honors from the University of Florida Surveying and Mapping program in 1990

CECILIA WHITAKER, PLS

Cecilia Whitaker, PLS, is responsible for coordinating deformation surveys for the Metropolitan Water District's dam and reservoir surveillance program. She plans monitoring schemes for existing facilities that utilize the capabilities of automated robotic total stations and continuous operating reference stations (CGPS). She is a consulting land surveyor for the California Spatial Reference Center focusing on NAVD88 height modernization and CGPS training. She holds a B.S. degree in Soil Science from California Polytechnic State University, San Luis Obispo (1981) and has been a licensed surveyor since 1993.

KEVIN AKIN

Kevin Akin received a B.S. in surveying at Oregon Institute of Technology in 1980, and is licensed in California. Past employers include the Bureau of Land Management and private surveying firms. He has been employed by the California Department of Transportation (CALTRANS) for 13 years. His currently investigates new technology in his position of Senior Transportation Surveyor.

KEVIN KELLY

Kevin Kelly is a Geodetic Engineer for ESRI in Redlands, California. He has taught Geodesy, Map Projections and Survey Data Adjustments at the University of California Riverside Extension School for the last four years. He received a Master of Applied Science in Geodesy at the University of Toronto, Canada, and holds an Honors Diploma in Hydrographic Surveying Technology from Humber College in Toronto. His experience spans over twenty-six years in hydrography, geodesy, surveying and geographic information systems. He held the post of Chief Geodesist for the Military Survey Department of the Kingdom of Saudi Arabia for six years and prepared a strategic plan for a national geodetic agency for the Kingdom. At ESRI this last year he has worked on developing the new Cadastral Editor enhancement for Survey Analyst as well as incorporating time-dependent datum transformations into the ArcGIS core software.