

### Wednesday 2/21 Presentations for SAHRA 2001 Annual Meeting

	<b>Oral Presentations</b>	<b>Poster Presentations</b>
8:30	Session Introduction Soroosh Sorooshian, Doug James	
8:50	<p>Overview &amp; Poster Introductions (1 min. each), Roger Bales, Constance Brown Ginger Paige</p> <p>1.1o. Geostatistical Interpolation of Point-Measured SWE in the Colorado River Basin, <i>Kevin Dressler, et al.</i></p> <p>1.2o. Dynamics of Energy Balance, Vegetation and Snowmelt: Implications for Alpine/Sub-Alpine Water Balance, <i>C. Brown and R. Bales</i></p> <p>1.3o. Toward High Resolution Precipitation Estimates from Multiple Sources of Information, <i>Shayesteh Mahani, et al.</i></p>	<p>1.1p. Snow Distribution and Snow-Melt Modeling Studies in the Headwaters of the Rio Grande, <i>T. Bardsley, J. McConnell and D Boyle (DRI)</i></p> <p>1.2p. Rainfall Estimation Over the Southwest US Using the PERSIANN System, <i>X. Gao, K. Hsu, S. Mahani, and S. Sorooshian (UA)</i></p> <p>1.3p. Improved performance of PERSIANN System in High Resolution Precipitation Estimation, <i>K. Hsu, S. Mahani, Q. Fan, J. Li, X. Gao, and S. Sorooshian</i></p> <p>1.4p. A Two-dimensional Analysis of the Spatial Sensitivity of the Four-Electrode Electrical Resistivity Method, <i>Alex Furman, Ty Ferre, Art Warrick (UA)</i></p> <p>1.5p. Spatial Variability of Infiltration and Runoff Processes, <i>G. Paige, J. Stone and A. Warrick (ARS)</i></p> <p>1.6p. Temporal Stability of Soil Moisture: A promising technique for long-term water resources assessment in semiarid regions, <i>Binayak Mohanty and Todd Skaggs (UCR)</i></p> <p>1.7p. Rosetta: a Hierarchical Model for Estimating Soil Hydraulic Parameters, <i>M. G. Schaap, F. J. Leij and M. Th. van Genuchten (UCR)</i></p>
9:35	<p>Overview &amp; Poster Introductions (1 min. each), Fred Phillips, James Hogan</p> <p>2.1o. Mountain-Front Recharge and the Dynamics of Ephemeral Streams in The Rio Grande Basin, <i>Yizhong Qu and Christopher Duffy (PSU)</i></p> <p>2.2o <sup>32</sup>Si – A new method for estimating semiarid vadose zone recharge, <i>Sharon Einloth and Brenda Ekwurzel (UA)</i></p> <p>2.3o. Shifting paradigms in semi-arid vadose – zone hydrodynamics: implications for water and solute balances at the basin-scale, <i>Michelle A. Walvoord and Fred M. Phillips (NMT)</i></p>	<p>2.1p Modeling Actual Evapotranspiration of Riparian Vegetation, <i>Sung Ho Hong and Jan M.H. Hendrickx (NMT)</i></p> <p>2.2p. Surface Soil Moisture Variability at the Sevilleta LTER, <i>J. Woollsey; J.M.H. Hendrickx; J.B.J. Harrison, and L. Winters (NMT, LANL)</i></p> <p>2.3p. Water flow through indurated calcic, Graciela Rodríguez-Marín, <i>J. Bruce J. Harrison, and Jan M.H. Hendrickx (NMT)</i></p> <p>2.4p. Investigating Relationships Between Vegetation and Moisture Fluxes in Deep Vadose-Zones: A study in the Rio Grande Basin, West Texas , <i>Michelle A. Walvoord and Fred M. Phillips (NMT)</i></p> <p>2.5p. Influence of rainfall variability on water and nitrogen cycling and productivity at a semiarid ecosystem transition, <i>Eric E. Small and William T. Pockman (NMT, UNM)</i></p> <p>2.6p. Controls on the Surface Energy and Water Budgets of Semiarid Environments, <i>Shirley Kurc and Eric Small (NMT)</i></p> <p>2.7p. Identification of Sources of Recharge in Avra Valley Alluvial Basin, <i>Dody A., Eastoe C., and Long A (UA-GEO)</i></p> <p>2.8p. Stable Sulfur Isotopic Composition of Dissolved Sulfate in Tucson Basin Aquifers, Arizona, and Its Use as a Tracer of Recharge Process and Ground Water Movement, <i>Gu, A.L., Eastoe, C.J., and Long, A. (UA-GEO)</i></p>

		<p>2.9p. A New Map of <math>^{14}\text{C}</math> Content in Groundwater in Tucson Basin, <i>C. J. Eastoe, A. Dody, A. Long (UA-GEO)</i></p> <p>2.10p. Singular Spectrum Analysis of Historical P, T, and Q in the San Pedro River Basin, Karsten Sedmera and C. Duffy (PSU)</p> <p>2.11p. Chloride/Bromide ratios in the Rio Grande River, <i>Naomi Rosenau, Fred Phillips (NMT)</i></p>
10:20	Poster Break	
10:45	<p>Overview &amp; Poster Introductions (1 min. each) <i>Dave Goodrich, Russ Scott</i></p> <p>3.1o. Riparian vegetation water use and sources, <i>R. Scott, D. Williams, G. Lin, D. Goodrich</i></p> <p>3.2o. Hydrologic exchange and nutrient retention in the riparian zone of the San Pedro River, <i>Schade, J.D., D.B. Lewis, A. Kramer-Huth, M. Conklin, and N.B. Grimm</i></p> <p>3.3o. Using Temperature Sensors to Monitor Groundwater/Surfacewater Interactions in the San Pedro River, Arizona, <i>D. Lawler, S. Leake, J. Constantz, T. Ferre, and D. Goodrich</i></p>	<p>3.1p. Characterizing stream nitrogen load as a result of geomorphological and hydrologic changes in the San Pedro River, <i>J.M. Hamblen, A. Kramer Huth, M.H. Conklin, J.D. Schade, D.B. Lewis, N.B. Grimm (UA, ASU)</i></p> <p>3.2p. Plant functional type variation and hydrologic processes in riparian ecosystems, <i>E. Gonzales, E., K. Hultine, and D.G. Williams (UA-RNR)</i></p> <p>3.3p. Recent applications of the Hydrus-2D software: Future plans “tentative”, <i>J. Simunek and M. Th. van Genuchten (UCR) and M.P.L. Whitaker (UA)</i></p> <p>3.4p. Designing a Vadose Zone Monitoring System for the Measurement of Root Uptake Beneath a Riparian Area, <i>G. VonGlinski, T. Ferre (UA)</i></p>
11:30	<p>Overview &amp; Poster Introductions (1 min. each), Larry Winter</p> <p>4.1o One Year Simulations of Precipitation Over the Upper Rio Grande Basin, <i>K. Costigan, J. Bossert, J. Stalker, and D. Langley (LANL)</i></p> <p>4.2o. The Modular Modeling System (MMS), <i>George Leavesley (USGS)</i></p> <p>4.3o. Development of a Coupled Model for the Rio Grande River Basin, <i>Everett Springer, L. Winter, K. Costigan, R. Murray and P-H. Tseng, (LANL)</i></p> <p>4.4o. Mass and Momentum Transfer at a Stream-Aquifer Boundary, <i>Regan Murray (LANL)</i></p>	<p>4.1p. Development of Near-Real-time Land Surface Forecasts, <i>Y. Cui and J. Roads (UCSD/Scripps)</i></p> <p>4.2p. Modeling Efforts using Modular Modeling System in Southern Arizona, <i>Felipe Ip, Luis Bastidas, Hoshin Gupta (UA-HWR)</i></p>
12:15	Lunch and Poster Viewing	
1:45	<p>Overview (3 min), Juan Valdes</p> <p>5.1o. Analysis of Drought Condition in the Rio Conchos River Basin, <i>Tae-Woong Kim and Juan Valdes (UA-CE)</i></p> <p>5.2o. Culturally Diverse Views of Water Use and Management in the Salt/Gila and Upper San Pedro Basins, <i>Anne Browning, Robert Varady, Ann Moote, Maria Gutierrez and Kevin Lansey (UA-Udall/CE)</i></p> <p>5.3o. Uncertainty, Benefit Transfers, and Physical Models: A Middle Rio Grande Valley Focus,</p>	<p>5.1p. Stakeholder Assessment in the Upper San Pedro River Basin, <i>Ann Moote and Maria Gutierrez (UA)</i></p> <p>5.2p. Water in Mexico, <i>D. Liverman, T. Cavazos, M. Wilder (UA), N. Pineda, J.L. Moreno (Colegio de Sonora), M. Kelly (Texas Center for Policy Studies)</i></p> <p>5.3p. Decision Support System for Sustainable Water Resources Management, <i>Antonella Sciortino, James McPhee, and William W-G. Yeh (UCLA-CEE)</i></p> <p>5.4a. Sustainability, Intergenerational Equity and Inter-temporal Efficiency: The Role of Discounting and Individual Choice, <i>David S. Brookshire, Stu Burness and Janie M. Chermak</i></p>

	<p><i>David S. Brookshire, Janie Chermak, and Rick DeSimone (UNM)</i></p> <p>5.4o. Urban Water Demand in the Southwest, <i>Janie Chermak, David S. Brookshir and, Stu Burness (UNM)</i></p> <p>Poster Introductions (1 min. each)</p>	<p><i>(UNM)</i></p> <p>5.5a. Water Use in a Mountain Front Recharge Aquifer with a Perennially Gaining Stream, <i>David S. Brookshire, Stu Burness, Janie Chermak and Rick DeSimone (UNM)</i></p> <p>5.6a. Preserve, Extend or Create It and They will Come: Migratory Birds and Riparian Habitat in the Southwest, <i>Kathy Smith (UNM)</i></p> <p>5.7a. Experimental Tests of Response to Changes in Water Prices, <i>David S. Brookshire, Janie M. Chermak, and Kate Krause (UNM)</i></p> <p>5.8a. The Farm Module, <i>Wolfgang Schmid (UA)</i></p>
2:45	Short Break	
3:00	<p>Overview &amp; Poster Introductions (1 min. each), Jim Washburne</p> <p>6.1o. Improving the hydrologic literacy of K-12 teachers, <i>Julie Luft/John Madden (UA)</i></p> <p>6.2o. Water is Life - Water Education for Native Americans, <i>Mansel Nelson (NAU-EEOP)</i></p> <p>6.3o. Improving the hydrologic literacy of non-science undergraduates, <i>J. Washburne (UA)</i></p>	<p>6.1p. Ask the Questions ... Experience the Answers!, <i>Kerry Schwartz, AZ Project WET Education Program Coordinator(WRRC)</i></p> <p>6.2p. Tribal Watershed Training Program, <i>L. Lacher (WMA)</i></p> <p>6.3p. Everybody's doing it - Urban Water Conservation Programs, <i>Abby/Katherine</i></p> <p>6.4p. Proposed Biosphere2 Educational Collaboration, <i>Russell, Adams, Woods, Colodner (B2C)</i></p> <p>6.5p. Professional Development with Hopi Tribe, <i>A. Teclé (NAU)</i></p>
3:45	<p>Overview &amp; Poster Introductions (1 min. each), Gary Woodard</p> <p>7.1o. Improving Interjurisdictional Water Management: Tribes, States and Feds, <i>Bonnie Colby (UA-AgEcon)</i></p> <p>7.2o. Water in Mexico, <i>Diane Liverman (UA-LASP)</i></p> <p>7.3o. SAHRA Promotional Activities, Web Site and Database Management, <i>Kyle Carpenter</i></p>	<p>7.1p. SAHRA traveling display and kiosk</p> <p>7.2p. Water Resource Challenges of MegaCities, <i>Gary Woodard (UA)</i></p>
4:30	Wrap-up Discussion	