RHESSys Conference Schedule 1-2 May 2024

Version 2

*Times are Pacific Daylight Time (UTC-07:00)

Day 1 - Wednesday May 1st

-	
9:00-9:10	Welcome remarks & meeting logistics
9:10-9:55	Keynote: RHESSys Pieces: Seeds, Roots, Stems and Branches Larry Band, University of Virginia
9:55-10:00	Break
10:00-10:15	Precipitation variability effects on dryland carbon sequestration depend on resource availability Jianning Ren, National University of Singapore
10:15-10:30	MSR in the City: sub-patch surface water sharing for simulating trees as green infrastructure Rachel Torres, Cal-Poly Humboldt
10:30-10:45	Incorporating the effects of plant dimensions and species tolerances into RHESSys modeling Antoine Randolph, US Forest Service (external)
10:45-11:00	Comparative Hydrological Dynamics and Water Security in Sundarijal Watershed: A RHESSys Modeling Approach for Broadleaf and Conifer Forests Tejendra Kandel, University of Virginia
11:00-11:10	Break
11:10-11:17	Modeling the effects of wildfire on hydrologic processes in a mixed pine forest in the Pacific Northwest (Lighting) Hyunwoo Kang, Oregon State University
11:17-11:24	Calibration of RHESSys with Soil Moisture Data and the Performance of RSS Soil Inputs (Lighting) Carlos Quintero, ORISE
11:24-11:31	Coupling RHESSys to HEC-RAS 2D (Lighting) Daniel Pelletier, University of Virginia
11:31-11:38	Ecohydrological Modeling with RHESSys: A new guide for learning how to model with RHESSys (Lighting) Ryan Bart, University of California, Merced
11:38-11:45	Break
11:45-12:00	GEE-based Platform For Preparing Spatial Inputs For RHESSys Mingliang Liu, Washington State University
12:00-12:15	RHESSys-Preprocessing & RHESSysIOinR: Overview and Demonstration of R Packages used to setup and run of RHESSys in R Will Burke, University of Nevada, Reno

12:15-12:30	Streamlined R tools for preparing RHESSys Model Inputs Motasem Abualqumboz, Utah State University
12:30-12:45	Investigating changes in blue/green water partitioning under drought through modelling experiments Clare Stephens, Western Sydney University
12:45-1:15	Networking (optional)

Day 2 - Thursday May 2nd

9:00-9:05	Meeting Opening
9:05-9:20	Changes and risks of water retention and carbon sequestration capacity in the Yangtze River Basin under climate and permafrost change Hui Peng, Ocean University of China
9:20-9:35	Interactions between annual grass invasion and climate variability: effects on N export in drylands Maxwell Kay Strain, University of Nevada, Reno
9:35-9:50	Modeling the co-benefits of mechanical thinning on forest structure and hydrological refugia Louis Graup, University of California, Santa Barbara
9:50-10:05	Impacts of reduced domestic water use on stream water quality in suburban watersheds Ruoyu (Roy) Zhang, University of Virginia
10:05-10:10	Break
10:10-10:35	RHESSys as a virtual laboratory - recent advances and new directions Naomi Tague, University of California, Santa Barbara
10:35-10:42	Installation Guide for RHESSys on Linux Executed Over Windows Using WSL (Lighting) Jorge García Hernández, Instituto Pirenaico de Ecología
10:42-10:49	The use of RHESSYS in the Pyrenees: Land management and implications on climatic and vegetation variables (Lighting) Javier Zabalza-Martínez, Instituto Pirenaico de Ecología
10:49-10:56	Modelling ecohydrological responses to climate change in a wet high-altitude sub-alpine headwater catchment in Eastern Himalaya (Lighting) Manish Kumar, University of Birmingham
10:56-11:03	Incorporating surface and subsurface characteristics for improving hydrological prediction in a managed Sierra Nevada catchment (Lighting) Shishir Basant, Texas A&M University
11:03-11:10	Break
11:10-11:25	Utilizing RHESSys in Coastal Areas: Challenges Arising from Running the Model in Flat Terrains and Integration with a Coastal Surge Model (ADCIRC) Hanne Borstlap, University of Virginia

11:25-11:40	What factors regulate the post-fire hydrologic response in a mountainous terrain? Moazzam Rind, Washington State University
11:40-11:55	Using RHESSys to help California achieve carbon neutrality Ryan Bart, University of California, Merced
11:55-12:00	Break
12:00-1:00	Panel Discussion and Q&A
1:00-1:05	Meeting wrap up
1:05-1:35	Networking (optional)