

Tuesday
Time

8:00

8:30

9:00

9:30

10:00

10:30

11:00

11:30

12:00

1:00

1:30

2:00

2:30

3:00

3:30

4:00
4:30

5:00

6:00

8:15

Wednesday
Time
8:00
8:30
9:00
9:30
10:00
10:30
10:50
1:30
2:00
2:30
3:00
3:30
4:00

4:30

5:00

Thursday
Time
8:00
8:30
9:00
9:30
10:30
11:00
11:30
12:00

41st Biological Systems Simulation Conference - Austin, TX

4/19/11

Topic/Speaker*/Speaker Affiliation

Shuttles depart Hampton Inn for TACC

TACC Seminar Room - Room 1.603 - Webex URL:

<https://uoa.webex.com/uoa/j.php?ED=158880372&UID=1246681127&PW=NOTIkZTQyNjVm&RT=MiM3>

Welcome and Self Introductions, *Dan Stanzione, Deputy Director, Texas Advanced Computing Center*

KEYNOTE: *Field Tests of an Open System to Measure Canopy Gas Exchanges, J.T. Baker*, D.C. Gitz, P. Payton, and R. Lascano, USDA-ARS, PSWCL, Big Springs, TX*

Modeling Pivot Irrigated Cotton at Field-Scale: Development of the PALMSCot MODEL, J.D. Booker, R.J. Lascano, and R. Zartman, Texas Tech Univ., Lubbock, TX*

Modeling Water Uptake Competition in Plant Communities, Armen R. Kemanian and Javier P. Marcos, Penn State Univ, State College, PA*

Break - Breakfast Snacks

Reproductive Development Model for Winter Wheat in the Southeast, M.R. Salazar, J. Johnson, B.Chaves, and G. Hoogenboom, AgWeatherNet, Washington State University, Prosser, WA*

*Development of a Virtual Rice Model that Integrates Physiology and 3D Architecture, Lloyd Ted Wilson *, Yubin Yang, Xiaobao Li, Jiale Lv, Jenny Wang, and Dingchun Yan, Texas A&M University System, AgriLIFE Research and Extension Center, Beaumont, TX*

Lunch - Buffet Style

TACC Seminar Room - Room 1.603 - Webex URL:

<https://uoa.webex.com/uoa/j.php?ED=158882607&UID=1246689472&PW=NZGUzYWU0M2Rk&RT=MiM3>

The Agricultural Model Intercomparison and Improvement Project (AgMIP), K.J. Boote, C. Rosenzweig, J.W. Jones, J.L. Hatfield, A.C. Ruane, P. Thorburn, J.M. Antle, G. C. Nelson, C. Porter, and S. Janssen, Univ. of Florida, Gainesville, FL*

Discussion of AgMIP Programs

Evaluation of a Soil and Plant Phosphorus Model for Predicting Maize Yield in Ghana, J.B. Naab, K.J. Boote, and J.W. Jones, Savanna Agricultural Research Institute, Wa Experiment Station, Ghana*

Evaluation of the DSSAT-CSM Using Three Fortran Compilers on Five Operating Systems, K.R. Thorp and J.W. White, USDA-ARS, Arid-Land Agricultural Research Center, Maricopa, AZ (Webex Presentation)*

Break - Cookies, coffee, tea, and soda

Efficient Data Access for Open Modeling Interface (OpenMI) components, Tom Bulatewicz and Dan Andresen, Kansas State Univ., Manhattan, KS*

A Comprehensive Crop Modeling Geohydrologic Framework to Study the Consequences of Management Practices, David Steward*, Joseph Aistrup, Daniel Andresen, Eric A. Bernard, Tom Bulatewicz, Laszlo Kulscar, Jeffrey Peterson, Scott Staggenborg, and Stephen Welch, Kansas State Univ., Manhattan, KS (Webex Presentation)

Field Evaluation of a Canopy Conductance Model for Transpiration Flux in Corn, Rob M. Aiken* and Norman L. Klocke, K-State NWREC, Colby, KS

Shuttles depart TACC for Hampton Inn

Shuttles depart for Roaring Fork Resturant

Shuttles depart Roaring Fork for Hampton Inn

4/20/11

Topic/Speaker*/Speaker Affiliation

Shuttles depart Hampton Inn for TACC

TACC "Double Wide" - Room 1.468 - Refreshments available all day. Webex URL
<https://uoa.webex.com/uoa/j.php?ED=158882622&UID=1246689697&PW=NZjcwMDQ4NTY5&RT=MiM3>

KEYNOTE: Recursive Calculation of Crop Evapotranspiration, R. Lascano*, Wind Erosion and Water Conservation Research Unit, Lubbock, TX.

Sensitivity of Soil Nitrogen Losses from Arable Land to Climate Change in Northern Europe: A Modelling Study, R. H. Patil*, M. Laegdsmand, J. E. Olesen, and J. R. Porter, Aarhus University, Tjele, Denmark

Supercomputing for Biological Simulation: An Overview of TACC Resources, Dan Stanzione*, Deputy Director, Texas Advanced Computing Center, Austin, TX

High Performance Computing at TACC: How to Get Started, What to Expect, and How We Can Help, William Barth*, Director of High Performance Computing, Texas Advanced Computing Center, Austin TX

Discussion and Ranger Tour

UT shuttle departs for VisLab Tour and catered lunch

UT shuttle departs Vislab to return to TACC

Lonestar Tour

TACC Seminar Room - Room 1.603 - Refreshments available all day. Webex URL
<https://uoa.webex.com/uoa/j.php?ED=158882647&UID=1246689742&PW=NNmY1M2VIYmY2&RT=MiM3>

Simulating Stochastic Crop Management in Cropping Systems, Jeff White*, Kelly Thorp, USDA-ARS, Arid-Land Agricultural Research Center, Maricopa, AZ

Evaluation of the Accuracy of the Web-based Simulation Model CropWaterUse, Carlos J. Fernandez*, Juan Carlos Correa, and Yujin Wen, Texas AgriLife Research, Corpus Christi, TX

Understanding the Branching Patterns and Reproductive Development in Cotton: An Experimental and Simulation Analysis, Yubin Yang*, Lloyd Ted Wilson, Jiale Lv, Xiaobao Li, Jenny Wang, and Sailaja Koti, Texas A&M University System, AgriLIFE Research and Extension Center, Beaumont, TX

Soil Structure and Associated Carbon Modeling, Fugen Dou*, Steven De Gryze, Juhwan Lee, Moran Segoli, Mac Post and Johan Six, Texas AgriLife Research & Extension Center at Beaumont, Beaumont, TX

Predicting Impact of Crop Residue Harvest: Implication for Soil Organic Carbon Stocks , Hero T. Gollany* and Yi Liang, USDA-ARS-CPCRC, Pendleton, OR. (Webex Presentation)

Shuttle departs TACC for Hampton Inn

Dinner on your own

4/21/11

Topic/Speaker*/Speaker Affiliation

Shuttle departs Hampton Inn for TACC

*TACC Seminar Room - Room 1.603 - Refreshments available all morning. Webex URL
<https://uoa.webex.com/uoa/j.php?ED=158882662&UID=1246689867&PW=NNjUxMmYxNGFh&RT=MIM3>*

Simulating Deficit Irrigation for Use in Coupled Model Scenarios, Scott Staggenborg*, Joseph Aistrup, Daniel Andresen, Eric A. Bernard, Tom Bulatewicz, Laszlo Kulscar, Jeffrey Peterson, Alan Schlegel, David Steward, and Stephen Welch, Kansas State Univ., Manhattan, KS

Meeting the Genotype to Phenotype Challenge, Matt Vaughn*, Texas Advanced Computing Center, Austin TX

A High Performance Computing Tool for Linking Phenotypic Models to Genotypic Data, Stephen Welch*, Wacław Kusnierczyk, Gregory Hill, Amity Wilczek, Johanna Schmitt, Kansas State Univ., Manhattan, KS

Proposal for Publication of Modules, Models, and Datasets by the ASA-SSSA-CSSA , Olaf David*, Laj Ahuja, Jeff White, Dennis Timlin, Ken Boote, Daniel Wallach, Brent Clothier, The Tri-Societies AD-Hoc Committee on Modules, Models, and Datasets

Discussion

Adjourn - Box Lunch

Shuttle departs TACC for Hampton Inn - Check out by 1:00 pm