

TAS 2009 PROGRAM ADDENDUM

Wireless access at UTK University Center 10/29 8am – 10/31 8am; Username: “tas Password: “tas-2009”

BOTANY (Page 4, Room 235 Shiloh)

- 1:15 **PRELIMINARY RESULTS OF A FLORISTIC SURVEY OF CLARKS RIVER NATIONAL WILDLIFE REFUGE IN WESTERN KENTUCKY.** *Matt Bruton* and Dwayne Estes, Austin Peay State University, Clarksville, Tennessee. (Cancelled)*
- 1:30 **A NEW SPECIES OF *POLYMNIA* (ASTERACEAE) FROM THE SEQUATCHIE VALLEY OF TENNESSEE.** *Dwayne Estes, Austin Peay State University, Clarksville, Tennessee.*
- 1:45 **THE ONGOING FLORA OF THE SEQUATCHIE VALLEY IN SEQUATCHIE COUNTY, TENNESSEE.** *John R. Evans* and Joey Shaw, University of Tennessee at Chattanooga, Chattanooga, Tennessee.*
- 2:00 ***VITIS RUPESTRIS* (VITACEAE) REDISCOVERED IN TENNESSEE.** *Sunny Hart* and Dwayne Estes, Austin Peay State University, Clarksville, Tennessee.*
- 2:15 **A PRELIMINARY EVALUATION OF THE FLORA AND VEGETATION OF SEASONALLY WET LIMESTONE CEDAR GLADES OF THE SOUTHEASTERN UNITED STATES.** *Kim Norton* and Dwayne Estes, Austin Peay State University, Clarksville, Tennessee.*
- 2:30 **TESTING THE UTILITY OF THREE NONCODING CHLOROPLAST DNA REGIONS FOR DNA BARCODING USING *PRUNUS* (ROSACEAE).** *Ian M. Cohen* and Joey Shaw, University of Tennessee at Chattanooga, Chattanooga, Tennessee.*
- 2:45 **CURRENT STATUS OF *CLEMATIS MOREFIELDII* IN TENNESSEE INCLUDING NEW POPULATIONS AND HABITAT MODELING** *Todd Crabtree, Tennessee Department of Environment and Conservation, Nashville, Tennessee*
- 3:00 **Break**
- 3:15 **RELATIONSHIPS AMONG THE DENSITY OF THE INVASIVE SPECIES BUSH HONEYSUCKLE (*Lonicera maackii*), INVASIVE SPECIES MANAGEMENT FREQUENCY, AND ARBOREAL COVER FOR FORESTS IN RADNOR LAKE STATE NATURAL AREA.** *Jesse Germeraad, Travis Treece*, Daniel Wakefield*, Robert Loeb, and Steve Ward, Lipscomb University, Nashville, TN (JG, TT, DW), Pennsylvania State University, Dubois Campus, Dubois, PA (RL), and Radnor Lake State Natural Area, Nashville, TN (SW).*
- 3:30 **CURRENT STATUS OF *BUCKLEYA DISTICHOPHYLLA* IN TENNESSEE.** *Roger A. McCoy, Division of Resource Management, Tennessee Department of Environment and Conservation, Nashville.*
- 3:45 **ALLELEOPATHIC INFLUENCE OF *RHUS GLABRA* L.** *Harold A. Simmons and Mark Montgomery, Northwest Mississippi Community College, DeSoto Campus, Southaven, Mississippi.*
- 4:00 **ESTABLISHMENT OF PERMANENT PLOTS AND ANALYSIS OF WOODY VEGETATION IN THE TENNESSEE RIVER GORGE, MARION AND HAMILTON COUNTY, TN.** *Gerald R. Woodworth*, Joey Shaw, University of Tennessee at Chattanooga.*

(Continued on other side)

BOTANY (CONT.)

Poster **THE VASCULAR FLORA OF THE TENNESSEE RIVER GORGE, HAMILTON AND MARION COUNTIES.** *Emily R. Blyveis* and Joey Shaw, University of Tennessee at Chattanooga, Chattanooga, Tennessee.*

CHEMISTRY (Page 6, Room 221)

2:15 **MICROWAVE ASSISTED ENZYMATIC HYDROLYSIS AND PEPTIDE MAPPING IN THE UNDERGRADUATE BIOCHEMISTRY LABORATORY.** *Kevin Lavender*, David Jones, Gabrielle Clayton* M. Todd Garrett*, Roy F. Jang*, Alex W. Renfro*, Margarita N. Weatherman* and Kent Clinger, Lipscomb University, Nashville, Tennessee.*

2:30 **METAL EXTRACTION FROM AQUEOUS SOLUTIONS USING THIOSEMICARBAZONE AND SEMICARBAZONE CHELATING RESINS.** *Amanda J. Crook*, Edward C. Lisic, Dale D. Ensor, Tennessee Technological University, Cookeville, Tennessee.*

ENGINEERING (Page 7, Room 237)

3:15 **CAPSTONE PROJECT EXPERIENCES FOR ELECTRICAL ENGINEERING TECHNOLOGY ELECTRONICS OPTION.** *Adel Salama, Austin Peay State University, Clarksville, Tennessee.*

3:30 **BUILD A REMOTE CONTROL SECURITY ROBOT AS A CAPSTONE PROJECT.** *Grant Brewer*, Adel Salama, Austin Peay State University, Clarksville, Tennessee.*

3:45 **AUTONOMOUS SECURITY DRONE AS A CAPSTONE PROJECT.** *David Fiorino*, Adel Salama, Austin Peay State University, Clarksville, Tennessee.*

4:00 **ADDITIVE MANUFACTURING – A DEVELOPING TECHNOLOGY.** *Chin-Zue Chen Austin Peay State University, Clarksville, Tennessee.*

4:15 **PROTOTYPING A DIGITAL OTTOSCOPE.** *John Ralston*, Chin-Zue Chen, Austin Peay State University, Clarksville, Tennessee.*

GEOLOGY AND GEOGRAPHY (Page 8, Room 227)

1:15 **SINKHOLE FLOODING MAP IN COOKEVILLE.** *Peter Li, Evan Hart, Hugh Mills, Derrick Ho* and Martin Kimbrell*, Tennessee Technological University, Cookeville, Tennessee.*

2:45 **Liddle and Bakaletz (previously at 1:15) replaces Markin and Gibson (cancelled)**

MATH AND COMPUTER SCIENCE (Page 9, Room 220)

3:00 **EVOLVING A BLACKJACK STRATEGY WITH GENETIC PROGRAMMING.** *Robert D. French, East Tennessee State University, Johnson City, Tennessee.*

SCIENCE AND MATH TEACHING (Page 10, Room 225)

2:00 **A QUALITATIVE STUDY OF THE SCIENCE YOUTH LEADERSHIP INTERNSHIP PROGRAM AT THE GREAT SMOKY MOUNTAINS INSTITUTE AT TREMONT.** *Zena Tenenbaum*, Dr. Kim Sadler, Middle Tennessee State University, Murfreesboro, Tennessee.*

ZOOLOGY (Poster, Page 16)

Add author Andrew Mashchak to COMPARING TRENDS... *by Drab, Bacelar, Penn, Maschak, Weber, Trimm and Seidel.*