Room Changes:
Science and Math Teachers will meet in Warf 208
Zoology II will meet in Warf 104

Program Additions (*student author; # presenting author, if not first author)

Engineering and Engineering Technology
4:00 Pulsed Electrical Field Flow Fractionation. Joseph J. Biernacki, P. Manikya Mellachuruvu*
Tennessee Technological University
4:15 Meso-scale Strain Measurements in Cements Using Synchrotron X-rays, Joseph J. Biernacki,
Carl J. Parnham*#, Thomas R. Watkins, Camden R. Hubbard, and Jianming Bai, Tennessee
Technological University (JJB, CJP), Oak Ridge National Laboratory (TRW, CRH), University of
Tennessee, Knoxville (JB).

Ethics in Science and Technology
Symposium: Teaching Ethics in the Academy: Its Application in Research Training and in Practice
Participants: Tom Brignall, Srini Ramaswamy, Edward Schneider, Rubye P. Torrey, Tennessee
Technological University (TB, SR, RPT), University of Tennessee-Memphis (ES).

Geology and Geography
Poster Cellular Phone Tower Siting Using GIS. C. E. Hoeffner* and P. Li, Tennessee Technological
University.
Poster Analysis Of Sex Offenses Using GIS. J. K. Tittle* and P. Li, Tennessee Technological
University.
Poster Geographical Mapping Of Methamphetamine Lab Seizures In Putnam County And The
Surrounding Areas. M. E. Walton* and P. Li, Tennessee Technological University.

Math and Computer Science
2:00 Independent Component Analysis and Watermark Attack. Devin Zhang, Tennessee
Technological University.

Science and Math Teachers
3:15 Measuring the Predictive Ability of a Self-Efficacy Instrument for College Non-Biology
Majors Learning in Active Versus Passive Lecture Environments. Sandra L. Johnson,
Middle Tennessee State University
Poster Science, Science Everywhere: Laboratory Activities with Everyday Connections:
A New Laboratory Course for Non-Science Majors. Judith Iriarte-Gross and Martha Riherd
Weller, Middle Tennessee State University

Zoology II
3:45 Developing Biotic Integrity Metrics To Identify Impacts Of Land Use On
Wetlands. Laura D. Mills* and Steven W. Hamilton, Austin Peay State University.