

114th Meeting of the Tennessee Academy of Science Addendum to the Program

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 Verses 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.