



3rd NCSU Forensic Science Symposium

Tuesday, December 7, 2010
Convocation Room, College of Textiles, NCSU

Agenda

- 8:00 Registration
- 8:45 Welcome
Vice Chancellor Terri Lomax
Office of Research and Innovation
- Keynote Address**
9:00 The Current and Future Challenges of the NC Medical Examiner System
Dr. Debi Radisch
NC Office of Chief Medical Examiner
- Case Study**
10:00 Case study: NC v Peterson (2008)
Mineralogical Analysis of Trace Evidence
Heather Hanna, Dr. Steven Singletary,
Philip Bradley, Kim Hutchison
*Southeastern NC Regional Microanalytical and Imaging Center, Fayetteville State Univ.
Dept. Soil Science, NC State University
NC Geological Survey,
NC Dept. of Environmental and Natural Resources*
- 10:30 Break and Poster Session
- Keynote Address**
10:50 Bloodstain Pattern Analysis: Fact or Fiction?
Mr. Paul Kish
*Forensic Consultant & Associates
Corning, New York*
- 11:50 Lunch and Poster Session
- Keynote Address**
1:00 The Science Behind Forensic Entomology: Strengths and Weaknesses
Dr. Jeffrey Wells
*Department of Biology
West Virginia University*
- New Technology**
2:00 Electromagnetic Sensors for Detecting Buried Objects
Dr. IJ Won
*Geophex, Ltd.
Raleigh, NC*
- 2:40 Dyed Fiber Identification Using Liquid Chromatography-Quadrupole Time-of Flight Mass Spectrometry: Can We Identify the Dyestuff Manufacturer?
Dr. Keith Beck, Anne Fraser,
Dr. Chuazhen Zhou, Roberto Garcia,
Dr. Dieter Griffis, Dr. David Hinks
*Dept. Textile Engineering, Chemistry & Science
Analytical Instrumentation Facility
NC State University*
- 3:00 Break
- 3:15 Panel Discussion: The Future of Forensic Science
Invited Panel Members

4:00 Concluding Remarks on the Plans for Growth in Forensic Sciences Drs. David Hinks, Billy Oliver, Ann Ross
Wes Watson

4:10 Adjourn

Optional Demonstrations of New Forensic Analytical Equipment

College of Textiles Forensic Analytical Chemistry Laboratory

LC QTOF Mass Spectrometry

Drs. Keith Beck, David Hinks, Jon Rust

Dept. Textile Engineering, Chemistry and Science

College of Textiles, NC State University

Analytical Instrumentation Facility

Cyromicrotomy and TOF SIMS

Dr. Dieter Griffis

Dept. Material Science and Engineering

College of Engineering, NC State University

www.ncforensics.org