

NIST 2017 Technical Colloquium on Weight of Evidence

The theme of the 2017 NIST Technical Colloquium on Weight of Evidence is Defining, Collecting and Understanding. The goal of the Colloquium is to get stakeholders across forensic science to think about ways to transform from reporting a “match/no match” to statements that integrate error and uncertainty.

The first day is about defining the weight of evidence - what it means, and how to quantify it. The second day is about collecting and will cover data and its use and analysis within forensic science. The third day is about understanding and will focus on how to communicate and report forensic examination findings.

TECHNICAL COLLOQUIUM
WEIGHT OF EVIDENCE
JUNE 27-29, 2017 • NIST GAITHERSBURG



Quantifying the Weight of Forensic Evidence June 27-29, 2017

NIST

Email us your comments or suggestions at tc.forensicweightofevidence@nist.gov

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#NISTWOE



Day 1:: Defining the WoE

- 8:30-8:45 *Welcome Remarks*, Richard Cavanagh, NIST
- 8:45-9:35 *Interpretation, A Personal Odyssey*, Christophe Champod, University of Lausanne and Ian Evett, Principal Forensic Services
- 9:35-10:00 Q&A
- 10:00-10:30 Break
- 10:30-10:45 *Interactive question session 1*
Shannan Williams, NIST
- 10:45-12:00 *What is WoE*, Panel Discussion and Q&A
Doug Reynolds (moderator), MIT Lincoln Lab
Christophe Champod, Univ. of Lausanne
Charles Berger, NFI
Simone Gittelson, NIST
Chris Saunders, South Dakota State Univ.
Anjali Mazumder, CMU
- 12:00-12:30 *Statistical challenges in Quantifying the Weight of Evidence: Measurement, Databases, Competing Propositions and Multiple Sources*,
Anjali Mazumder, CMU
- 12:30-13:45 Lunch (on your own)
- 13:45-14:00 *Interactive question session 2*,
Will Guthrie, NIST
- 14:00-14:40 *Weight of Evidence, A Dutch Experience*,
Charles Berger, Netherlands Forensic Institute
- 14:40-15:50 *Quantifying WoE*, Panel Discussion and Q&A
Will Guthrie (moderator), NIST
Charles Berger, Netherlands Forensic Institute
Cedric Neumann, South Dakota State University
Daniel Ramos, Universidad Autonoma de Madrid
Steven Lund, NIST
- 15:50-16:00 Break
- 16:00-17:15 *Validation and Inter-laboratory testing, Panel Discussion and Q&A*
Sheila Willis (moderator), Forensic Science Ireland
Ruth Corzo, Florida International University
Tricia Hoffman, Florida International Univ.
Michael Coble, NIST
Geoffrey Stewart Morrison, Aston University
- 18:30-20:00 Social Event (sign up your name by 10 am)

Day 2 :: Collecting for WoE

- 8:30-8:50 *Wrap-up of Day 1*, Larry Tang, NIST
- 8:50-9:10 *The role of data in evaluation of forensic evidence*, Melissa Taylor, NIST
- 9:10-9:50 *Fostering innovation and knowledge development with reference collections*,
Stephen Sherry, National Center for Biotechnology Information
- 9:50-10:15 Q&A
- 10:15-10:45 Break
- 10:45-12:30 *Data for Forensics: Reliability, Reproducibility and Repeatability*, Panel Discussion and Q&A
Alan Zheng (moderator), NIST
Christophe Champod, University of Lausanne
Charles Berger, NFI
Toni Roberts, Federal Bureau of Investigation
Jonathon Philips, NIST
- 12:30-14:00 Lunch (on your own)
- 14:00-14:15 *Interactive Question Session 3*
Melissa Taylor, NIST
- 14:15-15:30 *Population Statistics*, Panel Discussion and Q&A
Melissa Taylor (moderator), NIST
Simone Gittelson, National Institute of Standards and Technology
Geoffrey Stewart Morrison, Aston University
Mike Smith, Federal Bureau of Investigation
- 15:30-15:45 Break
- 15:45-17:00 *Method Evaluation*, Panel Discussion and Q&A
Elham Tabassi (moderator), NIST
Doug Reynolds, MIT Lincoln Laboratory
Niko Brummer, AGNITIO
Daniel Ramos, Universidad Autonoma de Madrid
Graham Jackson, University of Abertay Dundee
- 17:00 DAY 2 END

Day 3 :: Understanding the WoE

- 8:30-8:45 *Interactive Question*, Sue Ballou, NIST
- 8:45-9:15 *Communicating the Results of Forensic Science Examinations*, Graham Jackson, University of Abertay Dundee
- 9:15-9:45 *What should a forensic scientist's likelihood ratio be?*, Geoffrey Stewart Morrison, Aston University
- 9:45-10:00 Q&A
- 10:00-10:20 Break
- 10:20-10:50 *Lay Understanding of Forensic Science*,
Bill Thompson, University of California, Irvine
- 10:50-11:20 *Jury Understanding of Statistics*, Cedric Neumann, South Dakota State University
- 11:20-12:00 *Moderated Discussion with presenters and audience*, Sue Ballou, NIST
- 12:00-12:30 *Closing remarks*, Elham Tabassi, NIST
- 12:30 END OF COLLOQUIUM