



ALCOHOL CONCENTRATION EXTRAPOLATION

WORKSHOP SPONSORED BY I.A.C.T.

Location: Coeur d'Alene Resort, Coeur d'Alene, ID
Date: April 4, 2019
Time: 8 a.m. – 12 p.m.

Workshop Chairs: Patrick Harding, Emeritus, University of Wisconsin State Laboratory of Hygiene
Laura J. Liddicoat, Forensic Toxicology Consultant

Target Audience: Forensic personnel at all levels of experience.

Patrick Harding, BS

Patrick Harding retired as supervisor of the Toxicology Section of the Wisconsin State Laboratory of Hygiene (WSLH) on December 30, 2012 after working 35 years at the WSLH. For more than 30 years Patrick functioned as a technical expert for WSLH alcohol testing programs and as an analyst for alcohol and other substances in biological specimens. Besides administrative duties related to the general operation of the Toxicology Section, his duties included coordinating the laboratory's blood alcohol testing program, overseeing the administration of Wisconsin's blood alcohol proficiency testing program and providing scientific support for Wisconsin's breath alcohol testing program. Expert testimony in blood and breath alcohol cases (over 750), analysis of blood specimens, employee training and outreach activities were included in these duties.

Patrick has a Bachelor of Science degree in Biochemistry and has completed numerous courses covering alcohol-related topics. He is a former chair of the National Safety Council Committee on Alcohol and Other Drugs, on the Board of Directors of the International Association for Chemical Testing, is a member of the Canadian Society of Forensic Science, a member of the Society of Forensic Toxicologists and is a Fellow of the American Academy of Forensic Sciences. He has co-authored several papers related to alcohol, drugs and highway safety, co-authored a breath alcohol testing chapter in *Medicolegal Aspects of Alcohol*, and authored a special topic monograph for the American Prosecutors Research Institute entitled "Alcohol Toxicology for Prosecutors."

Patrick has been recognized for his professional contributions to forensic toxicology and highway safety, having received IACT's Kurt M. Dubowski award (2005), the NSC Robert F. Borkenstein Award (2007) and the AAFS Toxicology Section Ray Abernethy Award (2013).

Patrick has been an instructor at the Robert F. Borkenstein Course on Alcohol and Highway Safety: Testing, Research and Litigation since 2002 and has been the Assistant Course Director since 2012 and has been the Assistant Course Director for The Effects of Drugs on Human Performance and Behavior Course since 2015.

Laura J. Liddicoat, BS, MT(ASCP)

In 2014 the National Highway Traffic Safety Administration (NHTSA) established a new toxicology fellowship program in cooperation with the National Safety Council (NSC) and the Center for Forensic Science Research and Education and named Laura Liddicoat as the agency's first Toxicology Fellow. In this capacity, Laura provided expertise and technical assistance to NHTSA and NSC regarding toxicology issues that relate to alcohol and drug impaired driving. Laura also served as a liaison between NHTSA and members of the toxicological community, to help identify information, questions, concerns and other issues that have relevance to drugged driving. Laura's activities involved toxicology support for education, training, research and other activities focused on reducing alcohol and drugged driving. Laura served as the Toxicology Fellow for two grant periods, with the last grant ending in September 2016.

Previously, Laura worked in the Forensic Toxicology Section at the Wisconsin State Laboratory of Hygiene. As ABFT Director of the Toxicology Laboratory she served as technical expert for alcohol and drug chemists, reviewed testing, reported alcohol and drug results, interpreted laboratory findings and provided testimony (>800 court appearances) regarding alcohol and drug pharmacology and drug effects for impaired driving trials throughout Wisconsin.

Laura received the 2016 NSC Robert F. Borkenstein Award which recognizes individuals who, through a lifetime of service, have made outstanding contributions to the field of alcohol and drug-related traffic safety. She also received the 2017 American Academy of Forensic Sciences Toxicology Section's Ray Abernethy Award. The Ray Abernethy Award recognizes individuals who have made career long contributions as outstanding practitioners of forensic toxicology. Laura is the Past Chair of the National Safety Council's Alcohol, Drugs and Impairment Division (previously known as the Committee on Alcohol and Other Drugs), and is an active member of the Society of Forensic Toxicologists (SOFT), American Academy of Forensic Sciences (AAFS), the International Association for Chemical Testing (IACT), the Joint AAFS/SOFT Driving Under the Influence of Drugs Committee, and the Organization of Scientific Area Committees (OSAC). She received a Bachelor of Science degree in Medical Technology at the University of Wisconsin.

Abstract:

Estimating alcohol concentrations in impaired driving and other criminal cases is a frequent request of expert witnesses. The goal of this workshop is to provide attendees with a practical understanding of how to provide such estimates in a forensically acceptable manner. Topics include: forensic alcohol pharmacokinetics, use of Widmark and other alcohol estimation formulas, retrograde extrapolation, estimation principles applied to actual cases and a Q&A session

Course Specifics: The course fee includes registration, all course materials, attendance certificate, and breaks. Attendees will be responsible for travel, lodging, and meal expenses.