

CURRICULUM VITAE

CHRISTOPHER R. BOMMARITO
Forensic Science Consultants
1099 W. Grand River Avenue
P.O. Box 514
Williamston, MI 48895
Phone: (517)202-5971 Fax (517)579-4847
Email: bommarito@forsci.com

Experience

2003-Present **President & Forensic Scientist**
 Forensic Science Consultants
 Forensic Testing Services
 Williamston, MI

1990 - 2011 **Forensic Scientist**
 Michigan State Police Forensic Laboratory
 Lansing, MI

1988-1990 **Forensic Chemist**
 Drug Enforcement Administration Western Laboratory
 San Francisco, CA

President and chief forensic scientist of private forensic laboratory and ASCLD/LAB approved provider of proficiency tests to approximately 150 forensic laboratories worldwide. Expert in the analysis of trace evidence, including paint, glass, filaments, fibers, footwear and explosive residue as well as quantitative and qualitative analysis of suspected controlled substances. Proficient in many analytical methods such as GC-MS, SEM-EDS, FTIR, HPLC, IC and GC as well as wet chemistry. Testified over 250 times in federal and state courts in eight different states and Canada in relation to these analyses. Assisted and advised various federal and state authorities on trace evidence examination, report writing, crime scene reconstruction, clandestine drug laboratory investigations and other enforcement activities.

- * President of the American Society of Trace Evidence Examiners
- * Past-President of the Midwestern Association of Forensic Scientists.
- * Received the 2003 Midwestern Association of Forensic Scientists "Outstanding Scientist" Award.
- * One of ten forensic scientists selected to the Scientific Working Group for Materials Analysis, Paint Subgroup, which sets international guidelines for forensic paint examination.
- * Forensic expert in many high profile forensic cases, including the re-examination of fiber evidence in the West Memphis Three case (AR), the Ricky Holland homicide case (MI), the Tehrankari homicide case (ON) and the Coprez Coffie civil trial (IL).
- * Developed report writing/significance guidelines adopted by many forensic laboratories worldwide; including disciplines in the FBI Laboratory and the BKA in Germany.
- * Chair of the SWGMAT Ad-Hoc Report Writing Committee
- * Reviewer in the "NIJ Basic and Applied Research in Forensic Science" Grant Program.
- * Editor of the Journal of the American Association of Trace Evidence Analysts (JASTEE), a peer reviewed research publication.
- * Statewide Coordinator for Bloodstain Pattern Analysis (MSP), 2004-2006.
- * Responsible for method development for trace evidence and drug analysis (MSP).
- * Frequently processed crime scenes and has participated in clandestine laboratory raids.
- * Presented forensic research regarding drug analysis, paint analysis, fiber analysis, glass analysis, soil analysis, bloodstain pattern analysis, scanning electron microscopy, crime scene search, report writing, significance, stereochemistry and clandestine laboratories at scientific meetings.
- * Instructor in the Detective and Crime Scene Technician Programs (MSP).

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Continuing Education (continued)

MSU Decomposed Human Remains 2001
Bodziak Footwear Impression Evidence 2001
RCMP Paint Data Query System 2002
Bodziak Tire Impression Evidence 2002
McCrone Institute: Microscopy of Explosives 2003
MAFS Wood Identification Workshop 2003
MAFS Airbag Examination Workshop 2003
MAFS/McCrone Advanced Fiber Examination Workshop 2004
MAFS/SAFS Soil Examination Workshop 2004
Advanced Bloodstain Pattern Analysis 2006
MAFS/MFRC Advanced Crime Scene Reconstruction 2006
MAFS Forensic Analysis of Knots & Ligatures Workshop 2006
MAFS Chemistry of Pyrotechnics 2006
MAFS/MFRC Advanced Trace Evidence Symposium 2006
Bowdoin College IR Spectroscopy II 2006
MSP Physical Match Workshop 2006
Northwestern University Lamp Examination Workshop 2006
ATF/NSFTC Fire Debris Analysis 2007
MSP Tape Analysis Workshop 2007
MAFS Advanced Fire Debris Analysis 2007
MFRC Bloodstain Pattern Symposium, 2008
McCrone Institute: Microscopy of Paints and Polymers, 2009
MAFS/SAFS Lubricant Examination, 2009
MAFS/SAFS Garbage Bag Examination, 2009

Selected Teaching/Presentations/Publications

Instructor: DEA Clandestine Laboratory Safety Certification, Salt Lake City, UT 1990
Instructor: MSP Supervisory Development Program 1996-1998
Instructor: MSP Evidence Technician/ Detective Schools 1998-2003
Instructor: MSP Bloodstain Pattern Analysis Workshops 2005-2006
Instructor: MAFS/MFRC Scanning Electron Microscopy Workshop, Ames, IA 2005
Board Member: MAFS 2004-2005, 2006-2009
Board Member: ASTEE 2009-Present
Chair: MAFS Training & Education Committee, 2004-2006
Chair: MAFS Trace Evidence Section 2009-2011
Coordinator: Science Crime Event, MI Science Olympiad 1993-1998
Coordinator: MAFS Paint Examination & Comparison Workshop, Lansing, MI 2003, 2008
Coordinator: MAFS LA-ICP-MS of Glass Workshop, E. Lansing, MI 2005
Coordinator: MAFS Chemistry of Pyrotechnics Workshop, Lansing, MI 2006
Coordinator/Speaker: MAFS Advanced Trace Evidence Symposium, Ames, IA 2006
Moderator: GHB Symposium, 2000 American Academy of Forensic Sciences Meeting, Reno

Bommarito C, "Analytical Profile of Gamma-Hydroxybutyric Acid" 1993 Northwest Association of Forensic Scientists, Steamboat Springs, CO

Bommarito C, "Analytical Profile of Gamma-Hydroxybutyric Acid" Journal of the Clandestine Laboratory Investigating Chemists Vol. 3 No. 3, 1993

Bommarito C, "Forensic Garbage Bag Comparison" 1998 Midwestern Association of Forensic Scientists, Ann Arbor, MI , 1999 American Academy of Forensic Sciences, Orlando, FL

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Selected Teaching/Presentations/Publications (Continued)

Bommarito C, "Separation Techniques" Encyclopedia of Forensic Sciences, Academic Press LTD 2000

Bommarito C, Felton M, Ernst T, "Optimization of the Extraction of Gasoline from Blood" 2000 American Academy of Forensic Sciences, Reno, NV

Felton M, Bommarito C, "Differentiation of Smokeless Powders using Fourier Transform Infrared Spectrophotometry and Morphology" 2000 American Academy of Forensic Sciences, Reno, NV

Reeves E, Bommarito C, "Elemental Analysis of Glass via Variable Pressure SEM/EDS" 2001 American Academy of Forensic Sciences, Seattle, WA

Bommarito C, "Forensic Examination of Crayons via FTIR and SEM/EDS" 2001 American Academy of Forensic Sciences, Seattle, WA

Bommarito C, "Optical Cross Sectioning of Fibers using Laser Scanning Confocal Microscopy" 2002 American Academy of Forensic Sciences, Atlanta, GA

Bommarito C, "Scientific Evidence" Encyclopedia of Crime and Punishment, Sage Publications Inc. 2002

Bommarito C, "A Look at Outlast® Temperature Moderating Fabric" 2003 Midwestern Association of Forensic Scientists, Columbus, OH

Bommarito C, Daugherty E, "Analysis of Nonoxynol-9 in Condom Lubricants via Pyrolysis Gas-Chromatography-Mass Spectrometry" 2003 Midwestern Association of Forensic Scientists, Columbus, OH

Daugherty E, Bommarito C, "Analysis of Nonoxynol-9 in Condom Lubricants via Pyrolysis Gas-Chromatography-Mass Spectrometry" 2004 American Academy of Forensic Sciences, Dallas, TX

Szymanski D, Patino L, Bommarito C, Siegel J, "Use of Laser Ablation Inductively Coupled Plasma Mass Spectrometry (LA-ICP-MS) for Float Glass Fragment Discrimination by Elemental Analysis" 2003 Midwestern Association of Forensic Scientists, Columbus, OH

Bommarito C, "Review of Henry Lee's Crime Scene Handbook" Journal of Forensic Sciences, Vol. 48 No. 6 2003

Bommarito C, Kopchick K, "The Use of Visible Microspectrophotometry in the Analysis of Achromatic Automotive Paint Samples" 2005 Midwestern Association of Forensic Scientists, St. Louis, MO

Bommarito C, "Garbage Bags Revisited: The Role of Trace Evidence in the Investigation of a Triple Homicide" 2005 Midwestern Association of Forensic Scientists, St. Louis, MO

Kopchick K, Bommarito C, "The Use of Visible Microspectrophotometry in the Analysis of Apparently Achromatic Automotive Paint Samples", Journal of Forensic Sciences, Vol. 51 Issue 2 March 2006

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Selected Teaching/Presentations/Publications (Continued)

Bommarito C, "Analysis of Inorganic Acids, Bases and Other Chemicals Commonly Utilized in Poisoning Cases and Clandestine Laboratories", MAFS/MFRC Advanced Trace Evidence Symposium, June 2006, Ames IA

Bommarito C, "A New Approach to Report Writing in Comparative Trace Evidence Examinations", MAFS/MFRC Advanced Trace Evidence Symposium, June 2006, Ames IA

Bommarito C, Sturdevant A, Szymanski,D, "Analysis of Forensic Soil Samples via High Performance Liquid Chromatography and Ion Chromatography", 2006 Midwestern Association of Forensic Scientists, Indianapolis, IN

Bommarito C, Sturdevant A, Szymanski,D, "Analysis of Forensic Soil Samples via High Performance Liquid Chromatography and Ion Chromatography", Journal of Forensic Sciences, Vol. 52, Issue 1, January 2007

Bommarito C, "Identification of an Unusual Nitrite Inhalant", 2007 Midwestern Association of Forensic Scientists, Traverse City, MI

Bommarito C, "Quality Assurance in Bloodstain Pattern Analysis", 2008 MFRC Bloodstain Pattern Symposium, Ames, IA

Bommarito C, "Assessment of Significance in Trace Evidence Report Writing", 2008 SWGMAT Meeting, Fredricksburg, VA

Bommarito C, "Analytical Chemistry in Forensic Science", Keynote Speaker, 2008 American Chemical Society Awards, Lawrence, Kansas

Bommarito C, "Report Writing in Trace Evidence", 2009 Association of Forensic Quality Managers Meeting, Anaheim, CA

Bommarito C, "Standardized Test Methods and Insuring Quality in the Trace Laboratory", 2009 NIJ Trace Evidence Symposium, Clearwater Beach, FL

Bommarito C, "Significance in Report Writing", 2009 NIJ Trace Evidence Symposium, Clearwater Beach, FL

Bommarito C, "Identification of a Cyclopentyl Nitrite Inhalant", Journal of the American Association of Trace Evidence Examiners, Vol. 1, Issue 1, July 2010

Bommarito C, "Why are Forensic Proficiency Tests So Lousy?", Invited Speaker, 2011 Northeast Association of Forensic Scientists, Newport, RI