

CURRICULUM VITAE

Joseph A. Slemko

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RELATED EMPLOYMENT HISTORY:

1986-present Employed by a Major Canadian Police Service (XPS)
1992-98 EPS Crime Scene Investigator/Bloodstain Pattern Analyst (additional tenure: November 2003 – March 2004)
1998-2013 Forensics Sciences and Criminal Investigations Instructor, Criminal Justice/Police Studies Program, Grant MacEwan University, Edmonton
1998-present **J. Slemko Forensic Consulting Inc.** (www.bloodspatter.com), a private business providing international expert consultation for general crime scene investigations, bloodstain pattern analysis, motor vehicle event data recorder analysis and collision reconstruction.
2005-08 XPS Criminal Intelligence Analyst
2008-15 XPS General Investigator (Patrol)
2015-present XPS Major Collision Investigator/Reconstructionist

PROFESSIONAL AFFILIATIONS:

A member, in good standing, of the following professional organizations:

International Association for Identification

Certified as a Senior Crime Scene Analyst 1999, re-certified 2002, 2007, 2013

International Association of Bloodstain Pattern Analysts (IABPA)

1996-2000 *IABPA Executive Vice-President*
1998-Present *Website Editor/Administrator – Publications Committee*
2001-Present *'Journal of Bloodstain Pattern Analysis' Associate Editor*
2004 *Ethics Committee Member*

Canadian Identification Society

2005-07 *Executive Board Member/Director at Large*

Canadian Society of Forensic Sciences

Association of Crime Scene Reconstruction (ACSR)

2007-2008 *Executive Board Member*
2010 *Bylaws Committee Member*

Northwest Bloodstain Association

Founding member/course instructor, February 1998

Canadian Association of Technical Accident Investigators and Reconstructionists

TRAINING COURSES AND PROFESSIONAL DEVELOPEMENT:

Advanced Criminal Investigation:

91Sep09-Oct04 **Forensic Identification Techniques Course**, Edmonton, AB
94Oct18-21 **RCMP Advanced Forensics Workshop**, Winnipeg, MN
94Dec15/16 **RCMP/Municipal Forces Joint Homicide Investigators Workshop**, Red Deer, AB
95Jan08-Mar10 **Henry/Orion Fingerprint Classification Course and Forensic Identification Course**,
Canadian Police College, Ottawa, ON
95Dec10-12 **RCMP Fluorescence Techniques (Forensic Laser) Course**, RCMP Forensic Laboratory,
Edmonton
96May06-10 **'The Golden Triangle' Investigation of Sudden Death for Police and Medical
Investigators**, Edmonton, AB
97May05-09 **Forensic Archaeology**, University of Alberta, Department of Anthropology
97Jul08-11 **Canadian Identification Society Annual Training Conference**, Edmonton, AB
99April26-30 **Sexual Assault and Child Abuse Seminar**, Edmonton, AB
99June01-04 **Scientific Content Statement Analysis**, Laboratory of Scientific Interrogation, Edmonton
00Sep18-20 **Investigative Interviewing Techniques Course**, Reid and Associates, Edmonton
02Oct16 **Child Abuse Investigation Seminar**, Edmonton, AB
03July07-11 **IAI Annual International Educational Conference**, Ottawa, ON
04Mar07-10 **Sexual Assault Investigators Conference**
04May12,13 **Advanced Scientific Content Analysis Workshop**, LSI, Edmonton, AB
05Jul18-22 **Canadian Identification Society Training Conference**, Calgary, AB
06Feb01/02 **Human Predator/Serial Killer Workshop**, Criminal Intelligence Service of Alberta
06Mar31- **Criminal Intelligence Analysis Course**, Canadian Police College (online)
06Apr24-28 **Criminal Investigative Analysis (Psychological Profiling)**, Alpha Group, Toronto, ON
06May23-26 **Targeted Violence**, Justice Institute of BC, Edmonton, AB
06Jun22-26 **Statistical and Geographical Analysis of Crime Data**, University of Regina, SK
07May14,15 **Major Case Management Workshop**, Criminal Intelligence Service Alberta, Edmonton
07Nov03 **Expert Evidence in Criminal Proceedings**, Osgood Hall Law School, Toronto, ON
07Nov26-30 **Advanced Investigations Course**, Edmonton, AB
09Jan13,14 **Human Predator Workshop**, Criminal Intelligence Service of Alberta
10Sep29,30 **ASLET Homicide Investigators Conference**, Red Deer, AB
10Oct25 **Sexual Predator Workshop**, Edmonton, AB
10Nov29-03 **Forensic Interviewing**, Edmonton P.S., Edmonton, AB
11Sep28,29 **ASLET Homicide Investigators Conference**, Red Deer, AB
12Mar08-11 **International Justice Conference**, Perth, AUS
12Sep23-27 **Australia and New Zealand Forensic Sciences Society Symposium**, Hobart, AUS
13May10,11 **Developments in Forensics – Lessons Learned from Wrongful Convictions
Conference**, Trial Lawyers of BC, Vancouver, BC
14May12-15 **'The Golden Triangle'- Death Investigations Conference**, Edmonton, AB

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TRAINING COURSES AND PROFESSIONAL DEVELOPMENT (continued):

Bloodstain Pattern Analysis and Crime Scene Reconstruction:

94Apr25-29	Midwestern Association of Forensic Scientists Bloodspatter Workshop , Minneapolis, MN
94Oct06-08	IABPA Advanced Seminar on Bloodstain Pattern Analysis , Miami, FL
95Oct04-07	IABPA/ACSR Joint Training Conference , Oklahoma City, OK
96Nov07-10	IABPA/ACSR Joint Training Conference , Albuquerque, NM
97Mar17-27	Advanced Bloodstain Pattern Analysis Math and Physics Course , Canadian Police College, Ottawa, ON
97Nov04-08	IABPA/ACSR Annual Joint Training Conference , Seattle, WA
99Nov09-12	IABPA Annual Training Conference , Houston, TX
00Oct04-06	IABPA Annual Training Conference , Tucson, AZ
01Oct04-06	ACSR Annual Training Conference , Las Vegas, NV
02Oct23-26	ACSR Annual International Training Conference , Denver, CO
04Oct05-07	IABPA Annual Training Conference , Tucson, AZ
05Oct05-07	IABPA Annual Training Conference , Santa Barbara, CA
07Jan22-24	ACSR Annual Training Conference , Tacoma, WA
07Oct1-4	IABPA Annual Training Conference , San Antonio, TX
08Aug04-08	Firearms Reconstruction Course (Michael Haag) , Eugene, OR
08Oct07-10	IABPA Annual Training Conference , Boulder, CO
09Feb11-13	ACSR Annual Training Conference , Denver, CO
10Feb11-13	ACSR Annual Training Conference , San Diego, CA
10Oct04-08	IABPA Annual Training Conference , Atlantic City, NJ
11Feb08-10	ACSR Annual Training Conference , Jacksonville, FL
11Feb08	Crime Scene Analysis and Reconstruction Workshop (ACSR, Jacksonville, FL)
11Oct04-07	IABPA Annual Training Conference , Milwaukee, WI
12Oct2-5	IABPA Annual Training Conference , Tucson, AZ
13Oct01-04	IABPA Annual Training Conference , San Diego, CA
14Feb11-13	ACSR Annual Training Conference , Montgomery, TX
14Oct01-03	IABPA Annual Training Conference , Portland, ME
15 Feb10-12	ACSR Annual Training Conference , Oklahoma City, OK
15Feb10	Shooting Incident Investigations Workshop , ACSR, Oklahoma City, OK
15Sep29-02	IABPA Annual Training Conference , Fort Worth, TX
15 Sep30	Advanced BPA on Fabrics Workshop , IABPA Training Conference, Fort Worth, TX
16Oct04-07	IABPA Annual Training Conference , Salt Lake City, UT

IABPA - International Association of Bloodstain Pattern Analysts

ACSR - Association of Crime Scene Reconstruction

IAI – International Association for Identification

ACTAR – The Accreditation Commission for Traffic Accident Reconstructionists

TRAINING COURSES AND PROFESSIONAL DEVELOPMENT (continued):

Collision Investigation and Reconstruction:

15May11-15 **Vehicle Collision Investigation II** (40 hrs.), Edmonton
15Dec20-31 **Forensic Scene Mapping and CAD Drawing**, Edmonton
16Jan27-28 **Crash Data Retrieval (CDR) Technician's Course, Level I and II** (16hrs.), Edmonton
16Apr18-22 **Collision Safety Institute CDR Analysis Course** (40 hrs.), Edmonton
16Jun29 **IPTM Advanced Traffic Crash Investigation III** (80 hrs. – online), Jacksonville, FL
16Oct 10-21 **IPTM Traffic Crash Reconstruction Course IV** (80 hrs.), Jacksonville, FL
17Jan 12/13 **Acceleration and Vericom Training Course** (12hrs.), Edmonton
17Mar 6-8 **Event Data Recorder (EDR) Summit** (ACTAR accredited), Houston, TX
17Mar20-24 **Advanced EDR Analysis** (40 hrs.-ACTAR accredited). Richard Ruth P.Eng., Edmonton

IABPA - International Association of Bloodstain Pattern Analysts
ACSR - Association of Crime Scene Reconstruction
IAI – International Association for Identification
ACTAR – The Accreditation Commission for Traffic Accident Reconstructionists

MAJOR RESEARCH PROJECTS CONDUCTED:

- 94Sep27 HFOG III, The effects of a natural gas house explosion on fingerprint and bloodstain evidence, Stony Plain, AB
- 1997-99 Research experimentation and paper titled, "*Bloodstains on Fabrics; The Effect of Droplet Velocity and Fabric Composition*"

PUBLICATIONS:

- 96Dec/Jan ed. **Law Now Magazine**, "*The Scene of the Crime*," a general overview of crime scene examination techniques and legal responsibilities.
- 98Jan/Feb ed. **Identification Canada**, "*The Examination of Crime Scenes in the Era of DNA Polymerase Technology*."
- 99Spring ed. **InsuranceWest Magazine**, "*Spatter Sleuth Detects Fraud*."
- 03Dec ed. **International Association of Bloodstain Pattern Analysts News** (a peer reviewed publication), "*Bloodstains on Fabric, The Effects of Droplet Velocity and Fabric Composition*."

CITINGS:

Bloodstain Pattern Analysis with and Introduction to Crime Scene Reconstruction 2nd and 3rd Ed.

By: Tom Bevel and Ross M. Gardner, CRC Press
"*Patterns on Clothing and Fabric*" (2nd Ed.) and "*Bloodstained Clothing Issues*" (3rd Ed.)

Scientific Protocols for Forensic Examination of Clothing

By: Jane Moira Taupin and Chesterene Cwiklik, CRC Press
Chapter 5, "Pattern Evidence", pg. 77

AWARDS:

- 97Jun18 **Second Place Winner** of the 1996 "Essays for Excellence" Contest; Essay titled, "*The Examination of Crime Scenes in the Era of DNA Polymerase Technology*"
- 97Jul10 **Tiller Award Winner**, Presented by the Canadian Identification Society for Excellence in Law Enforcement Photography (National Award)
- 99May01 **Third Place Winner** of the 1999 "Essays for Excellence" contest; Essay titled, "*Victimizing the Victim - The Efficient Delivery of Forensic Identification Services*"
- 99Jun01 **Senior Crime Scene Analyst Certification** awarded by the International Association for Identification
- 00Jun30 **Second Place Winner** of the 2000 "Essays for Excellence" contest; Essay titled, "*Post Traumatic Stress and the Crime Scene Investigator*"
- 02Jun01 **Re-certification as a Senior Crime Scene Analyst** by the International Association for Identification
- 04Jun14 **Certification** pursuant to Subsection 667(5) of the Criminal Code of Canada (verification of criminal records) as a fingerprint examiner by the Deputy Solicitor General of Canada (*expired 10Jun01*)
- 07May01 **Re-certification as a Senior Crime Scene Analyst** by the International Association for Identification (valid to 2012)
- 08Apr08 **20-Year Police Exemplary Service Medal** awarded by the Governor General of Canada
- 11Oct06 **IABPA – "Good of the Association" Award**
- 13Jan01 **Re-certification as a Senior Crime Scene Analyst** by the International Association for Identification (valid to 2018)

INSTRUCTOR'S POSITIONS and PRESENTATIONS (summary only):

95Mar20 **Instructor**, Forensic Identification Techniques Course
96May06 **Instructor**, Investigation of Sudden Death for Police and Medical Investigators Seminar; Edmonton, Alberta (Additional: 98May04, 00May01, 02May06, 04May05, 06May01, 08May05)
96Nov1, 2 **Instructor**, Forensic Techniques Course; DNA Theory and Exhibit Handling, Fluorescence Techniques and Bloodstain Pattern Analysis
97Feb25 **Guest Lecturer**, University of Alberta, Department of Anthropology
97Nov05 **Presenter**, "Bloodstains on Fabrics; The Effect of Droplet Velocity and Fabric Composition" at the Annual Joint Training Conference of the IABPA/ACSR, Seattle, WA
98Feb02-06 **Developed and instructed**, with S/Sgt D. Rahn (RCMP) and S/Sgt. B. MacLean (RCMP), the **first Canadian Bloodstain Pattern Recognition Course**, Alberta Justice College, Edmonton (over 20 additional courses instructed)
98Mar18, 25 **Instructor**, Southern Alberta Major Crime Investigators Course, Bloodstain Pattern Analysis and DNA Evidence Techniques, Medicine Hat, AB
98May12 **Instructor**, Forensic Archaeology Course, Dept. of Anthropology, University of Alberta
99Mar19 **Guest Lecturer**, University of Alberta Law School
99Apr28 **Presenter**, Sexual Assault and Child Abuse Seminar, Edmonton
99Oct25-29 **Instructor**, Math and Physics of Bloodstain Pattern Analysis, Edmonton
99Nov11 **Presenter**, IABPA Annual Training Conference, Houston, TX
99Nov11 **Canadian Representative Panel Member**, "Expert Evidence Presentation in the Canadian and American Criminal Justice Systems," IABPA Annual Training Conference, Houston, TX
00May16 **Instructor**, "Forensic Techniques and Bloodstain Pattern Analysis," Major Crimes Investigators Course, **Canadian Police College**, Edmonton, AB
00May29-02 **Instructor**, "Bloodstain Pattern Recognition Course," **Canadian Police College**, Ottawa
02Oct28 **Presenter**, Alberta Government Civil Lawyers Association, Banff, AB
04Oct05 **Presenter**, IABPA Annual Training Conference, "Innovative Applications of BPA"
05Feb03 **Expert Consultant**, "Booked" television series, ReelGirls Media, Edmonton
05Jul19 **Presenter**, Canadian Identification Society Annual Training Conference, Calgary, AB
06May01 **Instructor**, Investigation of Sudden Death for Police and Medical Investigators Course
06Sep01 **Course Coordinator/Instructor**, Edmonton PS Level I and II Investigator Courses
07Jan22 **Presenter**, ASCR Annual Training Conference, "The Application of Statement Analysis to Crime Scene Reconstruction" and "Reconstruction of the Bloodstain Patterns in the Wrongful Conviction Case of Sion Jenkins"
07Sep28 **Faculty Member**, Criminal Law Conference, Trial Lawyers of BC, Surrey, BC
07Oct02 **Presenter**, IABPA Annual Training Conference, wrongful conviction case, San Antonio, TX
09Jan26 **Instructor**, EPS Advanced Investigations Course: "Investigative Pitfalls" (Addl. 08Apr14)
09Sep25 **Presenter**, Alberta Crown Attorneys Conference, "Science in the Courtroom," Red Deer, AB
10Mar25 **Guest Lecturer**, University of Alberta Law School, "Experts and Scientific Evidence"
11Feb03 **Guest Lecturer**, University of Alberta Law School, "Criminal Law"
12Mar10 **Invited Presenter**, International Justice Conference, Perth, AUS
12Sep24 **Invited International Presenter**, Australia and New Zealand Forensic Sciences Symposium, Hobart, TAS

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INSTRUCTOR'S POSITIONS and PRESENTATIONS (continued):

12Oct04 **Presenter**, IABPA Training Conference, "Emotional Survival for the BPA, Tucson, AZ
13May11 **Faculty Member/Invited Presenter**, Developments in Forensics – Lessons Learned from
Wrongful Convictions Conference, Trial Lawyers of BC, Vancouver, BC
13Oct04 **Invited Discussion Panel Member**, "Contextual Bias in BPA", IABPA, San Diego, CA
14Feb05 **Faculty Member/Invited Presenter - National Judicial Institute** (*The NJI offers dynamic
judicial education for federal, provincial and territorial judges*), "Issues in the Criminal
Forensic Sciences – Bias Issues in Scientific Evidence", Toronto, ON
14Feb11 **Invited Presenter**, "Emotional Health for the CSI", ACSR, Montgomery, TX
14Oct02 **Presenter**, "Bias in Bloodstain Pattern Analysis Evidence", IABPA, Portland, ME
15Feb03 **Guest Lecturer**, U of C Law School, "Bias in Scientific and Criminal Investigations", Calgary
15Apr11 **Invited Presenter**, Criminal Trial Lawyer's Association of Alberta, Edmonton
16Sep09 **Invited Presenter**, Montana Association of Criminal Defence Lawyers, Billings, MO

EXPERT EVIDENCE PROVIDED IN BLOODSTAIN PATTERN ANALYSIS (Court Accepted):

*95May17	Justice Girgulis	R v. Schwalm	Sec 235(1) C.C. (Canada - Murder)
95Oct24	Judge Plomp	R.v. Hegedus	Sec 235(1) C.C.
*96Feb01	Justice Lewis	R.v Forster	Sec 268 C.C.
96Jun19	Judge Tilley	R v. Brighteyes	Sec 235(1) C.C.
96Jun24	Judge Chrumka	R v. To	Sec 235(1) C.C.
*96Oct24	Justice Jones	R v. Forster (Re-Trial)	Sec 268 C.C.
*96Dec02	Justice Nash	R v. Bobbie	Sec 268 C.C.
*97Mar07	Justice Murray	R v. Brighteyes	Sec 235(1) C.C.
*97Apr10	Justice Veit	R v. Hanley and Alook	Sec 235(1) C.C.
*97Apr28	Justice Lewis	R v. To	Sec 235(1) C.C.
97May07	Judge Saddy	R v. Zentner	Sec 235(1) C.C.
97Jun09	Judge Caffaro	R v. Tran, Quang	Sec 235(1) C.C.
97Dec08	Judge Chisholm	R v. Russo	Sec 268 C.C.
98Feb17	Judge McNab	R v. Mishki & Poltorak	Sec 235(1) C.C.
*98Mar30	Justice Kent	R v. Tran	Sec 235(1) C.C.
*98Apr06	Justice Nash	R v. Russo	Sec 268 C.C.
98Aug17	Judge McNab	R v. Tonner	Sec 235(1) C.C.
98Sep14	Judge Adilman	R v. Le, Tran, Yap	Sec 235(1) C.C.
*98Oct13	Justice Sanderman	R v. Tran (Re-Trial)	Sec 235 (1) C.C.
99Feb01	Judge Easton	R v. Patel	Sec 239(b) C.C.
*99May20	Justice Bielby	R v. Mishki & Poltorak	Sec 235(1) C.C.
*99Jun22	Justice Murray	R v. Tonner	Sec 235(1) C.C.
99Nov01	Judge Stevens-Guille	R v. Xie	Sec 235(1) C.C.
00May02	Judge Adilman	R v. Derashan	Sec 235(1) C.C.
*00Jun06	Justice Burrows	R v. Xie	Sec 235(1) C.C.
*00Dec07	Justice Krindle	R v. Muchikekwanape**	Sec 235(1) C.C. – Manitoba Court of Q.B.
*01Jan29	Justice Sanderman	R v. Tonner (Re-Trial)	Sec 235(1) C.C.
04Jul07	Lord Justice Rose	R v. Jenkins**	Murder – Court of Appeal, England
05Jun10	Justice Rafferty	R v. Jenkins (Re-Trial)**	Murder – Central Criminal Court, England
05Dec02	Sworn Affidavit	R v. Mallard**	Murder – Supreme Court of Western Australia
*06Dec05	Justice Veit	R v. Cook	Sec 268 C.C.
*07Mar05	Justice Halfyard	R v. Taylor**	Sec 235(1) C.C. – Supreme Court of BC
07Jul05	Coroner DeMeyer	Ian Bush**	RCMP in Custody Death – Coroner’s Inquest
09Jul30	Lord Justice Hughes	R v. Hill**	Murder - Court of Appeal, England
*09Oct20	Justice MacAulay	R v. Taylor (Re-Trial)**	Sec. 235(1) C.C. – Supreme Court of B.C.
10Jan14	Judge Phillips	J. v. Gallatin PD	Gallatin County. Dist. Court. – Civil Div. Montana, U.S.
11Jan10	Judge Callahan	MI v. Reginald Burks**	Murder – Wayne County District Court Detroit, Michigan, U.S.
*13Jul15	Justice Barrow	R v. Wiens**	Sec. 235(1) C.C. – Supreme Court of B.C.
*13Nov20	Justice McLeod	R v. Wilson-Duncan**	Sec. 235(1) C.C. – Calgary, AB
14Sep03	Sworn Deposition	State v. Pilcher	Murder – Ottumwa, Iowa, U.S.
*15Apr30	Justice Macklin	R v. Robison**	Sec. 235(1) Attempt – Westaskiwin, AB
*16May17	Justice Thomas	R v. Vader**	Sec. 235(1) x2 – Edmonton, AB
16Nov20	Judge Yake	R v. Snow**	Sec. 235(1) Attempt – Red Deer, AB

* Court of Queen’s Bench (Supreme Court - Canada)

** Defence Evidence

EXPERT EVIDENCE PROVIDED IN CRIME SCENE RECONSTRUCTION (Court Accepted):

*15Apr30 Justice Macklin R v. Robison** Sec. 235(1) – Attempt

EXPERT EVIDENCE PROVIDED IN LIQUID PATTERN ANALYSIS (Court Accepted):

03Dec12 Judge Stevens-Guille R v. Furman Sec. 2(1) Animal Protection Act

EXPERT EVIDENCE PROVIDED IN FRICTON RIDGE IDENTIFICATION (Court Accepted):

93May14	Judge D.J. Tilley	R v. Nichols	Sec 344 C.C.
93Jul13	Judge P.L. Adilman	R v. Stanley	Sec 348(1)(b) C.C.
93Aug16	Judge Beaudry	R v. Ebeltoft	Sec 348(1)(b) C.C.
93Aug20	Judge Beaudry	R v. Comeau	Sec. 235(1) C.C.
94Mar25	Judge E.R. Saddy	R v. Gerber	Sec 348(1)(b) C.C.
94May31	Judge P.G. Ketchum	R v. Regehr	Sec 348(1)(b) C.C.
94Jun20	Judge D. Saks	R v. Vincent	Sec 355(b) C.C.
*94Nov16	Justice Picard	R v. Gerber	Sec 348(1)(b) C.C.
95May09	Judge Wong	R v. Hasay	Sec 348(1)(b) C.C.
95May30	Judge Ketchum	R v. Stamp	Sec 348(1)(b) C.C.
*97Mar07	Justice Murray	R v. Brighteyes	Sec. 235(1) C.C.
97Jun04	Judge Fowler	R v. Elmustapha	Sec 348(1)(b) C.C.
97Jun09	Judge Caffaro	R v. Tran, Quang	Sec 235(1) C.C.
*98Apr06	Justice Kent	R v. Tran	Sec 235(1) C.C.
98Sep14	Judge Adilman	R v. Le, Tran, Yap	Sec 235(1) C.C.
*98Oct13	Justice Sanderman	R v. Tran (Re-Trial)	Sec 235(1) C.C.
*00Jun06	Justice Burrows	R v. Xie	Sec 235(1) C.C.
02May13	Immigration and Refugee Board, Calgary, Alberta		Adjudicator: Mr. Andrew Rozdilsky
*11Apr27	Justice Sisson	R v. White**	Sec. 235(1) C.C.

* Court of Queen's Bench (Supreme Court)

** Defence Evidence