

## CURRICULUM VITAE

### Joseph A. Slemko

*Last Revision: 2008 August 18*

#### RELATED EMPLOYMENT HISTORY:

- 86Dec Employed with the Edmonton Police Service – general investigative duties.  
92Aug Crime Scene Investigator/Bloodstain Pattern Analyst - EPS Forensic Identification Services Section (additional tenure: Nov. 2003 – March 2004).  
98Feb Completed EPS Forensic Identification tenure, return to general investigative duties.  
98Sep-present **Forensics Sciences and Criminal Investigations Instructor, Police Studies Diploma Program, MacEwan College, Edmonton.**  
98Dec-present **J. Slemko Forensic Consulting** (*www.bloodspatter.com*), a private business offering consultation on general crime scene investigations, bloodstain pattern analysis and education. Consultations and case reviews provided for criminal investigations and civil litigation from North America, the U.K., Australia, Singapore and Thailand.  
05Dec-present EPS Criminal Intelligence Analyst / Field Intelligence Officer.

#### PROFESSIONAL AFFILIATIONS:

A member, in good standing, of the following professional organizations, and as a member receiving up to date publications regarding current trends and information concerning the sciences:

##### **International Association for Identification**

*Certified as a Senior Crime Scene Analyst 1999, re-certified 2002-2007, 2007-2012*

##### **International Association of Bloodstain Pattern Analysts (IABPA)**

*1996-2000 IABPA Executive Vice-President  
2001-2008 "IABPA Newsletter" Associate Editor  
IABPA Internet Website Editor/Administrator  
2004- Ethics Committee Member*

##### **International Crime Scene Investigators Association**

##### **International Association of Crime Analysts**

##### **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*

##### **Northwest Bloodstain Association**

*Founding member/course instructor, February 1998*

## FORENSIC ANALYSIS COURSES AND PROFESSIONAL DEVELOPEMENT:

- 91Sep09-Oct04 Edmonton Police Service sponsored **Forensic Identification Techniques Course**.  
94Apr25-29 **Midwestern Association of Forensic Scientists Bloodspatter Workshop**,  
Minneapolis, Minnesota.
- 94Oct06-08 **IABPA Advanced Seminar on Bloodstain Pattern Analysis**, Miami, Florida.  
94Oct18-21 **RCMP Advanced Forensic Workshop**, Winnipeg, Manitoba.  
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, Ontario.
- 95Oct04-07 **IABPA/ACSR Joint Training Conference**, Oklahoma City, Oklahoma.  
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.
- 96Nov07-10 **IABPA/ACSR Joint Training Conference**, Albuquerque, New Mexico.  
97Mar17-27 **Advanced Bloodstain Pattern Analysis Math and Physics Course**,  
Canadian Police College, Ottawa, Ontario.
- 97May05-09 **Forensic Archaeology**, University of Alberta, Department of Anthropology.  
97Jul08-11 **Canadian Identification Society Annual Training Conference**, Edmonton.  
97Nov04-08 **IABPA/ACSR Annual Joint Training Conference**, Seattle, Washington.  
99April26-30 **Edmonton Sexual Assault and Child Abuse Seminar**, Edmonton.  
99June01-04 **Scientific Content Statement Analysis**, Laboratory of Scientific Interrogation, Edmonton.  
99Nov01-05 **Edmonton Police Service Forensic Identification Training Seminar**, Edmonton.  
99Nov09-12 **IABPA Annual Training Conference**, Houston, Texas.  
00Sep18-20 **Investigative Interviewing Techniques Course**, Reid and Associates, Edmonton.  
00Oct04-06 **IABPA Annual Training Conference**, Tucson, Arizona.  
01Oct04-06 **ACSR Annual Training Conference**, Las Vegas, Nevada.  
02Oct16 **Child Abuse Investigation Seminar**, Edmonton.  
02Oct23-26 **ACSR Annual International Training Conference**, Denver, Colorado.  
03July07-11 **IAI Annual International Educational Conference**, Ottawa, ON.  
04Mar07-10 **Edmonton Police Service Sexual Assault Investigators Conference**.  
04May12,13 **Advanced Scientific Content Analysis Workshop**, LSI, Edmonton.  
04Oct05-07 **IABPA Annual Training Conference**, Tucson, Arizona.  
05Jul18-22 **Canadian Identification Society Training Conference**, Calgary, AB.  
05Oct05-07 **IABPA Annual Training Conference**, Santa Barbara, CA.  
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  
07Jan22-24 **ASCR Annual Training Conference**, Tacoma, WA  
07May14,15 **Major Case Management Workshop**, Criminal Intelligence Service Alberta, Edmonton  
07Oct1-4 **IABPA Annual Training Conference**, San Antonio, TX  
07Nov03 **Expert Evidence in Criminal Proceedings**, Osgood Hall Law School, Toronto, ON  
07Nov26-30 **EPS Advanced Investigations Course**, Edmonton  
08Aug04-08 **Firearms Reconstruction Course (Michael Haag)**, Eugene, OR

**IABPA** - International Association of Bloodstain Pattern Analysts  
**ACSR** - Association of Crime Scene Reconstruction  
**IAI** – International Association for Identification

## POST SECONDARY EDUCATION:

University of Alberta, Faculty of Electrical Engineering (2 years completed).

## TRAINING/EXPERIENCE IN THE COLLECTION OF DNA EXHIBITS:

- 94Oct20 A one day seminar on the Methodology of DNA Analysis and the collection of DNA Exhibits instructed by Sandra SMITH, DNA Specialist (RCMP Lab - Regina), at the RCMP Advanced Forensic Workshop, Winnipeg, Manitoba.
- 95Oct18 A one day practical seminar on DNA Analysis, methodology and techniques with Michael BURREINGTON, RCMP Forensic Lab Edmonton.
- 97Nov04 Tour **Helix Biotech**, Richmond, BC., Canada's first private DNA laboratory.
- 97Nov07 Tour **Genelex DNA Laboratory**, Seattle, Washington, a private laboratory offering DNA analysis
- 03Jul10 Workshop on DNA Evidence Collection and Analysis, by Insp. Pam HOFSSASS, San Francisco PD, Ottawa, ON.

## RESEARCH CONDUCTED:

- 94Sep27 HFOG III, The effects of a natural gas house explosion on fingerprint and bloodstain evidence, Stony Plain, Alberta.
- 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*."

## ACKNOWLEDGEMENTS:

**Bloodstain Pattern Analysis with and Introduction to Crime Scene Reconstruction, 2<sup>nd</sup> and 3<sup>rd</sup> Ed.**

By: Tom Bevel and Ross M. Gardner, CRC Press

"*Patterns on Clothing and Fabric*" (2<sup>nd</sup> Ed.) and "*Bloodstained Clothing Issues*" (3<sup>rd</sup> Ed.),

## AWARDS:

- 97Jun18 **Second Place Winner** of the 1996 Edmonton Police Service "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 Edmonton Police Service "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 Edmonton Police Service "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 as a Fingerprint Examiner awarded by the Deputy Solicitor General of Canada.
- 07May01 **Re-certification as a Senior Crime Scene Analyst** by the International Association for Identification (valid to 2012).

## INSTRUCTOR'S POSITIONS / LECTURES GIVEN:

- 95Mar20 **Instructor**, Edmonton Police Service Forensic Identification Techniques Course.
- 95Apr10- **Instructor**, Edmonton Police Service Recruit Training Classes #84,#85,#86,#87,#88 and, #89; Crime Scene Examination Techniques and Procedures.
- 95Nov22- **Developer and instructor** of the course series, "The Scene of the Crime I & II", Edmonton Public School Board Continuing Education.
- 96May06 **Instructor**, Investigation of Sudden Death for Police and Medical Investigators Seminar, Edmonton, Alberta (Additional: 98May04, 00May01, 02May06, 04May05, 06May01, 08May05).
- 96Sep13-Nov29 **Instructor**, the Edmonton Police Service Operations Division, Forensic Techniques for Criminal Investigations including, major scene security re: biological/DNA exhibits.
- 96Nov1, 2 **Instructor**, Edmonton Police Service Forensic Techniques Course; DNA Theory and Exhibit Handling, Fluorescence Techniques and Bloodstain Pattern Analysis.
- 96Dec11 **Instructor**, Aboriginal Policing Investigators Course on "Crime Scenes," Alberta Justice Staff College.
- 97Feb25 **Guest Lecturer**, University of Alberta, Department of Anthropology.
- 97Nov05 **Presenter**, "The Sheila Salter Homicide Investigation Crime Scene Reconstruction" and "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.
- 98Apr18 **Presenter**, "Crime Scene Techniques," Alberta Search and Rescue Conference, Hinton.
- 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-Jun02 **Instructor**, "Bloodstain Pattern Recognition Course," **Canadian Police College**, Ottawa.
- 02May14 **Presenter**, Alberta Attorney General, Family Law Division.
- 02Oct28 **Presenter**, Alberta Government Civil Lawyers Association, Banff, AB.
- 04May03 **Presenter**, Investigation of Sudden Death for Police and Medical Investigators Seminar, Edmonton, AB.
- 04Oct05 **Presenter**, IABPA Annual Training Conference, "Innovative Applications of BPA", and "Analysis of the Bloodstain Patterns in the Death of Hangthong Thamwattanna", Tucson, AZ.
- 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, BC Criminal Trial Lawyers Assoc., Surrey, BC
- 07Oct02 **Presenter**, IABPA 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".
- 08Apr14 **Instructor**, EPS Advanced Investigations Course: "Investigative Pitfalls"

**EVIDENCE TENDERED IN BLOODSTAIN PATTERN ANALYSIS (*Expert Qualification*):**

*95May17	Justice Girgulis	R vs. Schwalm	Sec 235(1) C.C. (Murder)
95Oct24	Judge Plomp	R. vs. Hegedus	Sec 235(1) C.C.
*96Feb01	Justice Lewis	R. vs Forster	Sec 268 C.C.
96Jun19	Judge Tilley	R vs. Brighteyes	Sec 235(1) C.C.
96Jun24	Judge Chrumka	R vs. To	Sec 235(1) C.C.
*96Oct24	Justice Jones	R vs. Forster (Re-Trial)	Sec 268 C.C.
*96Dec02	Justice Nash	R vs. Bobbie	Sec 268 C.C.
*97Mar07	Justice Murray	R vs. Brighteyes	Sec 235(1) C.C.
*97Apr10	Justice Veit	R vs. Hanley and Alook	Sec 235(1) C.C.
*97Apr28	Justice Lewis	R vs. To	Sec 235(1) C.C.
97May07	Judge Saddy	R vs. Zentner	Sec 235(1) C.C.
97Jun09	Judge Caffaro	R vs. Tran, Quang	Sec 235(1) C.C.
97Dec08	Judge Chisholm	R vs. Russo	Sec 268 C.C.
98Feb17	Judge McNab	R vs. Mishki & Poltorak	Sec 235(1) C.C.
*98Mar30	Justice Kent	R vs. Tran	Sec 235(1) C.C.
*98Apr06	Justice Nash	R vs. Russo	Sec 268 C.C.
98Aug17	Judge McNab	R vs. Tonner	Sec 235(1) C.C.
98Sep14	Judge Adilman	R vs. Le, Tran, Yap	Sec 235(1) C.C.
*98Oct13	Justice Sanderman	R vs. Tran (Re-Trial)	Sec 235 (1) C.C.
99Feb01	Judge Easton	R vs. Patel	Sec 239(b) C.C.
*99May20	Justice Bielby	R vs. Mishki & Poltorak	Sec 235(1) C.C.
*99Jun22	Justice Murray	R vs. Tonner	Sec 235(1) C.C.
99Nov01	Judge Stevens-Guille	R vs. Xie	Sec 235(1) C.C.
00May02	Judge Adilman	R vs. Derashan	Sec 235(1) C.C.
*00Jun06	Justice Burrows	R vs. Xie	Sec 235(1) C.C.
*00Dec07	Justice Krindle	R vs. Muchikekwanape	Sec 235(1) C.C. – Manitoba Court of Q.B.**
*01Jan29	Justice Sanderman	R vs. Tonner (Re-Trial)	Sec 235(1) C.C.
04Jul07	Lord Justice Rose	R vs. Jenkins	Murder – Court of Appeal of England **
05Jun10	Justice Rafferty	R vs. Jenkins (Re-Trial)	Murder – Central Criminal Court of England **
05Dec02	Sworn Affidavit	R vs. Mallard	Murder – Supreme Court of Western Australia **
*06Dec05	Justice Veit	R vs. Cook	Sec 268 C.C.
*07Mar05	Justice Halfyard	R vs. Taylor	Sec 235(1) C.C. – Supreme Court of BC**
07Jul05	Coroner DeMeyer	Ian Bush	RCMP in Custody Death – Coroner’s Inquest
08Feb12	Sworn Affidavit	Chris Jorgensen	Montana 18 <sup>th</sup> Judicial District Court (Civil)

\* Denotes Court of Queen’s Bench.

\*\* Denotes Defence Qualification

**EVIDENCE TENDERED IN LIQUID PATTERN ANALYSIS (Expert Qualification):**

03Dec12	Judge Stevens-Guille	R vs. Furman	Sec. 2(1) Animal Protection Act (Burn patterns caused by liquid on skin)
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**EVIDENCE TENDERED IN FINGERPRINT IDENTIFICATION (Expert Qualification):**

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

\* Denotes Court of Queen's Bench.

\*\* Denotes Defence Qualification