

# BLOODSTAIN PATTERN ANALYSIS COURSES (2027).



## ***BASIC BLOODSTAIN ANALYSIS COURSE (40-hours -5 DAYS)***

❖ 15<sup>th</sup> - 19<sup>th</sup> of March 2027

## ***BLOODSTAIN ANALYSIS ON TEXTILE COURSE (40-hours - 5 DAYS)***

❖ 12<sup>th</sup> - 16<sup>th</sup> of April 2027

## ***ADVANCED BLOODSTAIN ANALYSIS COURSE 2.0 (40-hours -5 DAYS)***

❖ 24<sup>th</sup> - 28<sup>th</sup> of May 2027

## ***ADVANCED BLOODSTAIN ANALYSIS COURSE (40-hours -5 DAYS)***

❖ 20<sup>st</sup> - 24<sup>th</sup> of September 2027

## ***VISUALIZATION OF LATENT BLOODSTAIN COURSE (40-hours - 5 DAYS)***

❖ 22<sup>rd</sup> - 26<sup>th</sup> of November 2027

## **UNIQUE COURSES IN A FANTASTIC FACILITY**



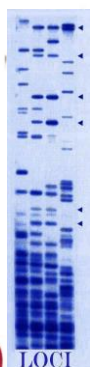
50% THEORETICAL - 50% HANDS ON !!

OVER 500 M<sup>2</sup> TRAINING SPACE.

MULTIPLE INVESTIGATION AND BLOODSTAIN ROOMS.

SPECIAL ROOMS FOR CHEMICAL BLOOD SEARCH AND  
ENHANCE TECHNIQUES.

Loci Forensics Consulting B.V.  
Haverstraat 49  
2153 GD - Nieuw-Vennep  
The Netherlands.



***Bloodstain pattern analysis (BPA) is defined as the examination of the shapes, size, locations and distribution patterns of bloodstains, in order to provide an objective analysis of the physical events that gave rise to their origin by application of concepts of biology, biochemistry, physics and mathematics. Not only can these concepts help to define and reconstruct events associated in a bloodletting event but also may provide investigative leads/information. They can lead to new information, as well as supportive or non-supportive evidence for victims, suspect's and witness statements. Besides this they give investors a better understanding in collection of relevant blood samples for DNA analysis.***



After giving several years of training at different facilities outside The Netherlands to; investigators, crime scene technicians, forensic scientists, attorneys and medico-legal investigators from Norway, Germany, England, U.S.A, Canada, France, The Netherlands, Estonia, Spain, Italy, Swiss and Denmark we started giving bloodstain courses at our new forensic facility in The Netherlands (September 2011). This new Institute includes several training facilities such as laboratories, mock rooms for BPA, chemical enhancement and bloodstain rooms.

Our Staff Trainers, Martin Eversdijk and René Gelderman represent more than 50 years working experience in law enforcement, of which 40 years forensic working experience as; crime scene investigator, crime scene coordinator and staff trainer/examiner at the National Police Academy. Martin and René have contributed numerous new forensic techniques to the field: New chemical blood enhancement techniques as Sulva dyes and Titanium dioxide dye, spraying luminol with the use of special compressors, air breathable swabs, collection of blood from a gun barrel etc.

With this extensive background in Forensics and our unique Institute we feel our BPA training represents the most comprehensive and updated study plan for Bloodstain Pattern Analysis offered in Europe. All our courses are divided into both lecture and laboratory sessions. The theoretical and fundamental principles related to Bloodstain Pattern Analysis or the chemical searching and enhancement techniques for latent bloodstains will be illustrated in the various lectures segments. These principles will then be reinforced in the laboratory segments where participants will have an opportunity to utilize the methods (e.g., experiments, simulated field situations) discussed in lecture.

Therefore, these courses will provide the participants first-hand knowledge of how and when to employ Bloodstain Pattern Analysis and/or searching and enhancement techniques to locate and visualize latent bloodstains. Participants will acquire first-hand knowledge of the benefits as well as the limitations of Bloodstain Pattern Analysis our commonly utilized chemical searching and enhancement techniques.

Martin Eversdijk and René Gelderman.

# **Basic Bloodstain Pattern Analysis Course (40-hours)**

Our 5 day (40-hours) Basic Bloodstain Pattern Analysis Course is designed to give the participants a basic foundation on Bloodstain Pattern Analysis. The focus of this intensive course is to provide the participants knowledge of Bloodstain Pattern Analysis through the application of concepts of biology, biochemistry, physics and mathematics to objectively define and reconstruct events associated in a bloodletting event. This training will give participants a unique opportunity to acquire first-hand knowledge of the bloodstain pattern analysis through lectures of theory, demonstrations and hand-on practical laboratory exercises.

This course is designed for all levels of law enforcement personnel, especially those who search for blood at scenes as well as on articles of physical evidence, investigators, crime scene personnel, attorneys, prosecutors, judges, medico legal investigators and participants studying forensics science and/or criminal justice.

This 40-hour basic course follows the recommended training guideline as set forth by the Scientific Working Group for Bloodstain Pattern Analysis (SWGSTAIN) and the International Association of Bloodstain Pattern Analysis (IABPA).

## **Training topics to be covered:**

- History of Bloodstain Pattern Analysis.
- Characteristics of Liquid Blood.
- Flight characteristics of blood and their patterns.
- Target Surface Considerations.
- Impact Angle Determination.
- Calculating the Area of Origin.
- Limitations of bloodstain pattern analysis.
- Sampling techniques and presumptive testing.
- Interpretation with the use of the SWGSTAIN taxonomy.
- Proper documentation and photographing of bloodstains.
- Approaching a bloodstain pattern case.
- Using bloodstain patterns to reconstruct crime scenes.
- Case reviews.
- Health and Safety Issues.
- Bloodstain analysis equipment.

## **Pre-Requisites:**

None.

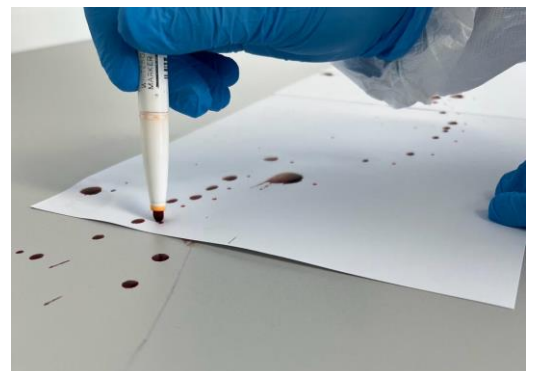
## **What to bring to the course?**

Participants are advised to bring seasonally appropriate clothing.

We also encourage to bring a digital camera which could be very helpful if you wish to document any of your experiments.

## **Assessment Standards/ Certification:**

A certificate will be issued for successful completion of a written assessment of the course requirements.



**Materials/Supplies Loci Forensics B.V. will provide:**

- Laboratory and Reference Manual.
- All lab supplies.
- Certificate of Completion.
- Water, coffee, tea, orange juice and milk.
- Lunch.

**Course duration, date, location & fee:**

The length of the course is 40-hours of instruction. The course will be conducted Monday through Friday, 8:00 a.m. – 5:00 p.m. at Loci Forensics Training Institute, Nieuw-Vennep, the Netherlands.

The course will be held on Monday the 15<sup>th</sup> of March 2027 - Friday the 19<sup>th</sup> of March 2027.

This course has a price of € 1250.00 euro (exclusive 21% VAT) per participant.

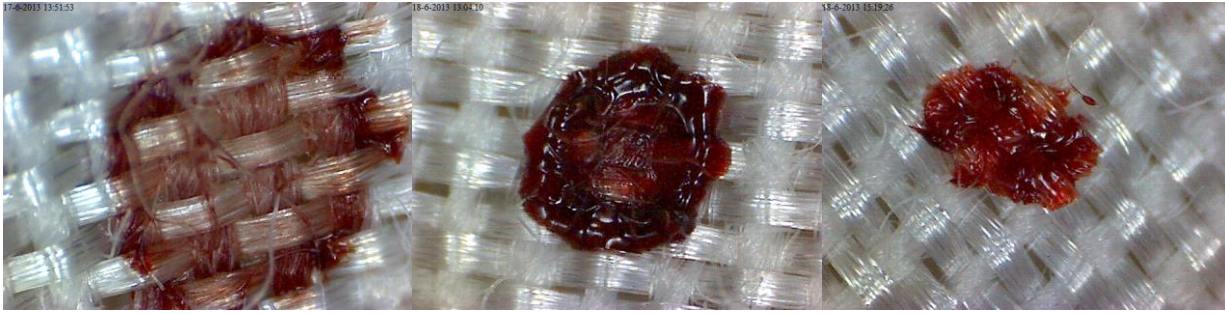
**Each participant is responsible for making his or her own hotel reservation.**

Upon receipt of your registration and payment you will receive a confirmation e-mail. In the event of insufficient registrations, this course will be cancelled.

Note: This course utilizes animal blood for experimentation.



# **Bloodstain Pattern Analysis on Textile Course (40-hours)**



Our 5 day (40-hours) Bloodstain Pattern Analysis on Textile Course is designed to give the participants 40-hours of lectures, practical's (experiments and mock scenes) to increase knowledge and skills on blood stain analysis on textile.

Examination of bloodstained clothing is a common request of the bloodstain pattern analyst. The analysis of this examination can potentially provide information regarding the movements and activities of the wearer during a bloodshed event and may confirm or refute testimonies for the presence of blood stain pattern on his or her clothing. To analyse these bloodstains correctly the analyst has to understand the scientific fundamentals involved in blood stain formation and its final appearance on textile.

This course is designed for all levels of law enforcement personnel, especially those who search for blood at scenes as well as on articles of physical evidence, investigators, crime scene personnel, attorneys, prosecutors, judges, medico legal investigators and participants studying forensics science and/or criminal justice.

## **Training topics to be covered:**

- Fabrication of textile
- Scientific fundamentals involved in bloodstain formation and its final appearance on textile
- Bloodstain patterns on clothing and other textile
- Spatter vs. Transfer
- Terminology of textile products
- Proper documentation and photographing of bloodstains on clothing, including 2-D vs. 3-D and the use of Infra-Red
- Sampling and lifting of bloodstains on clothing
- The use of blood enhancement and search techniques on textile
- The use of a microscope and other equipment
- Report writing, court presentation and Limitations
- Case reviews

## **Pre-Requisites:**

Successful completion of a Basic Bloodstain Pattern Analysis course meeting the requirements of the IABPA basic course and some field experience.

## **Class:**

Maximum of 12 participants.

### **What to bring to the course?**

Participants are advised to bring seasonally appropriate clothing.

We also encourage to bring a digital camera which could be very helpful if you wish to document any of your experiments.

### **Assessment Standards/ Certification:**

A certificate will be issued for successful completion of a written assessment of the course requirements.

### **Materials/Supplies Loci Forensics B.V. will provide:**

- Laboratory and Reference Manual.
- All lab supplies.
- Certificate of Completion.
- Water, coffee, tea, orange juice and milk.
- Lunch.



### **Course duration, date, location & fee:**

The length of the course is 40-hours of instruction. The course will be conducted Monday through Friday, 8:00 a.m. – 5:00 p.m. at Loci Forensics Training Institute, Nieuw-Vennep, the Netherlands.

The course will be held on Monday the 12<sup>th</sup> of April 2027 - Friday the 16<sup>th</sup> of April 2027.

This course has a price of € 1695.00 euro (exclusive 21% VAT) per participant .

**Each participant is responsible for making his or her own hotel reservation.**

Upon receipt of your registration and payment you will receive a confirmation e-mail. In the event of insufficient registrations, this course will be cancelled.

Note: This course utilizes animal blood for experimentation.

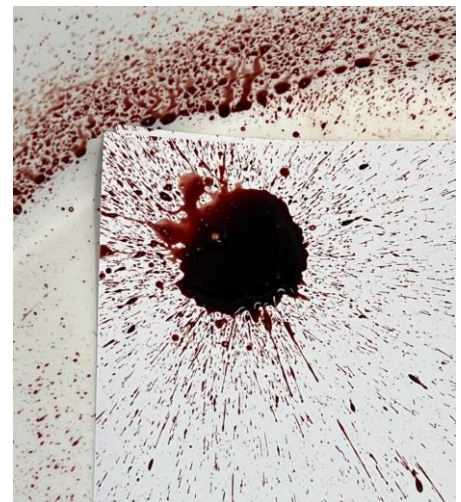
# **Advanced Bloodstain Pattern Analysis (40-Hours)**

This 5 days (40-hours) course is designed for those who wish to become an expert in bloodstain pattern analysis and have satisfactorily completed a basic 40-hour bloodstain pattern course. It's the next step in order to conduct a bloodletting crime scene analysis. During this course the participant will approach relatively simple to complex complete crime scenes including clothing. A format for reporting is learned as well as the requirements on courtroom testimony and expert evidence. This course will enhance basic skills and develop the novice to a core competency level required for independent analysis and will enhance the analyst skill in preparation of acceptance as an expert in the court room

The course of instruction is designed for investigators, crime scene technicians, forensic scientists, attorneys and medico-legal investigators. There is no minimum educational standard for those who decide to attend this course although we recommend at least 1 year field experience after successful completion of a basic 40-hour course.

## **Training Topics to be covered:**

- Review of Basic Bloodstain Pattern course.
- Analysis of Bloodstain Patterns on Clothing.
- Analyze (complex) bloodstain pattern in several mock scenes.
- Clothing and drying times of blood.
- Sequencing.
- Problem solving by review of actual bloodletting cases.
- Utilizing Bloodstain Patterns to reconstruct past events.
- Approaching a Bloodstain Pattern case.
- Report writing.
- Designing Case Related Bloodstain Pattern Experiments (scientific method).
- Limitations of bloodstain pattern analysis.
- Apply a scientific method to questioned stains.
- Expert Evidence.



## **Pre-Requisites:**

Successful completion of a Basic Bloodstain Pattern Analysis course meeting the requirements of the IABPA/IAI basic course.

## **Class:**

Maximum of 12 participants.

## **What to bring to the course?**

Participants are advised to bring seasonally appropriate clothing.

We also encourage to bring a digital camera which could be very helpful if you wish to document any of your experiments.

## **Assessment Standards/ Certification:**

A certificate will be issued for successful completion of a written assessment of the course requirements.



**Course duration, date, location & fee:**

The length of the course is 40-hours of instruction. The course will be conducted Monday through Friday, 8:00 a.m. – 5:00 p.m. at Loci Forensics Training Institute, Nieuw-Vennep, the Netherlands.

The course will be held on Monday the 20<sup>st</sup> of September 2027 - Friday the 24<sup>th</sup> of September 2027.

This course has a price of € 1250,00 (exclusive 21% VAT) per participant.

**Each participant is responsible for making his or her own hotel reservation.**

Upon receipt of your registration and payment you will receive a confirmation e-mail. In the event of insufficient registrations, this course will be cancelled.

Note: This course utilizes animal blood for experimentation.



# **Visualization Of Latent Bloodstain Course (40-hours)**

This course will provide the participants with first-hand knowledge of how and when to employ searching and enhancement techniques to visualize latent bloodstains. Students will acquire first-hand knowledge of the benefits as well as the limitations of commonly utilized chemical searching and enhancement techniques.

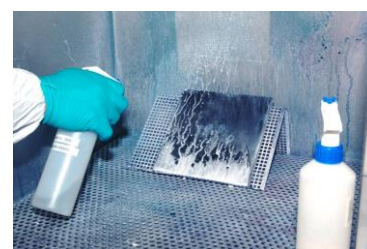
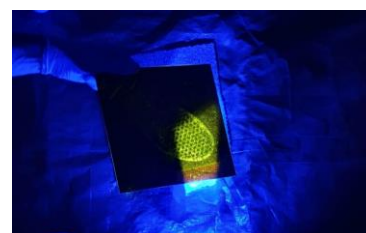
The course is divided into both lecture and laboratory sessions. The theoretical and fundamental principles related to the chemical searching and enhancement techniques for latent bloodstains will be illustrated in the lecture segments. These principles will then be reinforced in the laboratory segments where students will have an opportunity to utilize the methods discussed in lecture.

Upon completion of this course, the participants will have acquired a basic understanding of how and when to utilize blood searching and enhancing chemicals to assist in their investigation where latent blood is suspected.

This course is recommended for investigators, crime scene technicians, and forensic scientists who search for blood at crime scenes as well as on articles of physical evidence

## **Training Topics to be covered:**

- Searching vs. Enhancing Techniques.
- Blood Searching Techniques:
  - Luminol.
  - “NEW” Lumiscene.
  - Fluorescein.
- Blood Enhancement Techniques:
  - Amido Black.
  - Acid Fuchsin (Hungarian Red).
  - Aqueous Leucocrystal Violent (ALVC).
  - Titanium Dioxide.
  - Suspension Dyes.
  - Acid Dyes.
- On-scene Preparation Methods.
- Photographic Documentation.
- Introduction to IR Photography.
- Methods for Applying Blood Searching Chemicals e.g.:
  - Pump sprayer’s vs Compressors.
- Health and Safety Issues.
- Reporting of Findings.
- “False Positive” Reactions / Environmental Factors.
- Case Examples.



## **Pre-Requisites:**

Successful completion of a Basic Bloodstain Pattern Analysis course meeting the requirements of the IABPA/IAI basic course.

## **Class:**

Maximum of 12 participants.



### **What to bring to the course?**

Participants are advised to bring seasonally appropriate clothing.

We also encourage to bring a digital camera which could be very helpful if you wish to document any of your experiments.

### **Assessment Standards/ Certification:**

A certificate will be issued for successful completion of a written assessment of the course requirements.

### **Course duration, date, location & fee:**

The length of the course is 40-hours of instruction.

The course will be conducted Monday through Friday, 8:00 a.m. – 5:00 p.m. at Loci Forensic Training Institute, Nieuw-Vennep, the Netherlands.

The course will be held on Monday the 22<sup>nd</sup> of November 2027- Friday the 26<sup>th</sup> of November 2027.

This course has a price of € 1695.00 (exclusive 21% VAT) per participant .

**Each participant is responsible for making his or her own hotel reservation.**

Upon receipt of your registration and payment you will receive a confirmation e-mail. In the event of insufficient registrations, this course will be cancelled.

Note: This course utilizes animal blood for experimentation.



# **Advanced Bloodstain Pattern Analysis 2.0 (40-Hours)**

This five day intensive course is designed for those continuing their education and training in bloodstain pattern analysis. Prior to course attendance, participants will be required to complete 20-hours of preparation including a written review on a submitted paper and written analysis of 4 high speed photo's in addition to 40- hours of off-site activities. The course will emphasize necessity of utilizing a consistent, scientifically based approach for the entire analysis which is the foundation of reliable methods. The course will build upon previously introduced skills and introduce students to additional concepts essential for their continued development as bloodstain pattern analysts. The culmination of the course will be the creation of a scientifically based bloodstain pattern analysis report encompassing all concepts and skills.

The course is designed for individuals with basic and advanced training in bloodstain pattern analysis.

The teachers from this "new" course are Martin Eversdijk en Jeremiah Morris.

## **Who is Jeremiah Morris?**

Jeremiah (Jeremy) Morris is a forensic scientist supervisor at the Johnson County Sheriff's Office Criminalistics Laboratory in Kansas and is the Technical Leader in Bloodstain Pattern Analysis (BPA). He has been performing casework examinations since 2005 and is a court-qualified expert in BPA. Jeremy has given presentations and taught workshops on BPA for over fifteen years at forensic laboratories and professional organizations across the United States. His topics included cognitive bias issues related to BPA, fluid dynamics, bloodstains on textiles, sources of error in bloodstain conclusions, and the methodology of BPA. He is a Distinguished Member of the International Association of Bloodstain Pattern Analysts and is a Certified Bloodstain Pattern Analyst through the International Association for Identification. He was previously a member of the Bloodstain Pattern Analysis subcommittee in the Organization of Scientific Area Committees (OSAC) for Forensic Science, the Scientific Working Group on Bloodstain Pattern Analysis (SWGSTAIN), and the Netherlands Register of Court Experts (NRGD) Advisory Committee of Standardization of Bloodstain Pattern Analysis. In OSAC and SWGSTAIN, he was assigned to the Taxonomy and Terminology task groups. Jeremy is a past Editor of the Journal of Bloodstain Pattern Analysis through the IABPA.

## **Training topics to be covered:**

- Scientific principles as applied to bloodstain pattern analysis
- Fluid dynamics of liquid blood in motion
- Objective, feature-based pattern classification
- Chemistry of blood detection and enhancement
- Computer assisted methods of detection and classification
- Approaching a bloodstain case
- Bayes theorem as applied to bloodstain pattern analysis
- Evaluation of propositions
- Case conclusions
- Constructing a bloodstain report
- Concepts of communication science

## **Pre-Requisites:**

Successful completion of a Advanced Bloodstain Pattern Analysis course meeting the requirements of the IAI Advanced course and field experience.

**Pre-Assignments:**

Prior to course attendance, participants will be required to complete 20-hours of preparation including a written review on a submitted paper and written analysis of 4 high speed photo's.

**Class:**

Maximum of 12 participants.

**What to bring to the course?**

Participants are advised to bring seasonally appropriate clothing.

We also encourage to bring a digital camera which could be very helpful if you wish to document any of your experiments.

**Assessment Standards/Certification:**

A certificate will be issued for successful completion of a written assessment of the course requirements.

**Materials/Supplies Loci Forensics Consulting B.V. will provide:**

- Laboratory and Reference Manual.
- All lab supplies.
- Certificate of Completion.
- Water, coffee, tea, orange juice and milk.
- Lunch.

**Course duration, date, location & fee:**

The length of the course is 40-hours of instruction. The course will be conducted Monday through Friday, 8:00 a.m. – 5:00 p.m. at Loci Forensics Training Institute, Nieuw-Vennep, the Netherlands.

The course will be held on Monday the 24<sup>th</sup> of May 2027 - Friday the 28<sup>th</sup> of May 2027.

This course has a price of € 1695.00 (exclusive 21% VAT) per participant .

**Each participant is responsible for making his or her own hotel reservation.**

Upon receipt of your registration and payment you will receive a confirmation e-mail. In the event of insufficient registrations, this course will be cancelled.

Note: This course utilizes animal blood for experimentation.

**Location:**

Our training Institute is situated in the city of Nieuw-Vennep, just 10 kilometers south of the international airport Schiphol Amsterdam. Amsterdam is just 15 kilometers away and easy accessible by car/train or bus.

**By Air:**

Schiphol National airport (approximately 15 minutes by car).

Cab Fare is approximately € 50.00.

**Railway:**

Nieuw-Vennep Railway station is on walking distance (1500 meters)

**Accommodation:**

Each participant is responsible for his/her own hotel reservation

### Agency-Sponsored Training

In addition to hosting our own bloodstain pattern analysis courses, we provide a large number of agency-sponsored courses. Agencies which have several people in need of bloodstain pattern analysis training will often find bringing the course to their agency is more cost efficient than sending their personnel to an outside course. Sponsoring an in-house bloodstain pattern analysis course(s) assures that all your analysts will have an equivalent knowledge base.

If you are interested in sponsoring a bloodstain pattern course or basic evidence course at your agency, please contact us to schedule an available date. Please note that you should allow 3-6 months lead time when scheduling a week-long bloodstain/evidence course. We will provide a detailed course proposal upon request.

### Photography, filming and podcasts disclaimer:

Please note that photographs and footage will be taken throughout our courses. These will be used by Loci Forensics B.V. for marketing and publicity in our publications, on our website and in social media or in any third-party publication. Please contact Loci Forensics B.V. if you have any concerns or if you wish to be exempted from this activity.



**Loci Forensics Consulting B.V. - Haverstraat 49 - 2153 GD - Nieuw-Vennep - The Netherlands.**

# REGISTRATION

The registration fee includes course materials, training manuals and lunch.

Please check which week and course you are registering for:

- Basic Bloodstain Pattern Analysis Course, 15<sup>th</sup> - 19<sup>th</sup> of March 2027 - € 1250.00 ( exclusive 21% VAT).
- Bloodstain Pattern Analysis on Textile Course, 12<sup>rd</sup> - 16<sup>th</sup> of April 2027 - € 1695.00 (exclusive 21% VAT).
- Advanced Bloodstain Pattern Analysis Course 2.0, 24<sup>th</sup> – 28<sup>th</sup> of May 2027 - € 1695.00 ( exclusive 21% VAT).
- Advanced Bloodstain Pattern Analysis Course, 20<sup>st</sup> - 24<sup>th</sup> of September 2027 - € 1250.00 ( exclusive 21% VAT).
- Visualization of Latent Bloodstain Analysis Course, 22<sup>th</sup> - 26<sup>th</sup> of November 2027 - € 1695.00 ( exclusive 21% VAT).

Check or Purchase Order **must** accompany registration:

Name: \_\_\_\_\_

Organization: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

State / Zip: \_\_\_\_\_

Country: \_\_\_\_\_

Phone: \_\_\_\_\_

E-Mail: \_\_\_\_\_

Make all checks payable to: **Loci Forensics Consulting B.V.**

***Banking information:***

Rabobank accountnumber NL19RABO0317692852

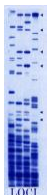
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Mail Registrations To: [info@lociforensics.nl](mailto:info@lociforensics.nl)

Check or Purchase Order **must** accompany registration.