



RON SMITH & ASSOCIATES, INC.



EXAMINATION OF SIMULTANEOUS IMPRESSIONS

Course Description

This course will first examine the pilot study conducted on simultaneous impressions in the wake of the ruling by the Supreme Judicial Court of Massachusetts stating the application of ACE-V to such impressions does not satisfy a Daubert analysis. Topics to be discussed include study design, results, documentation, error rates, conclusions, and future considerations. The focus then shifts to an in-depth look at SWGFAST's Standard for Simultaneous Impression Examination, which provides a structured means to address these types of impressions. Attendees will also create simultaneous impressions according to provided ground truth (known) conditions on different surfaces. These impressions will then be developed and examined by the attendees to help them better understand the appearance of the impressions in light of the known deposition conditions. Finally, attendees will apply both the presented theory and their practical experience in examining numerous impressions (ground truth unknown) to conduct full written analyses, ideally demonstrating that their conclusions of simultaneity or non-simultaneity are supported by the physical evidence.

Course Objectives

- To understand the research conducted to date on simultaneous impressions
- To properly document simultaneous impressions via analysis notes
- To understand how to properly examine simultaneous impressions

Target Audience

This advanced course is designed for examiners who want to learn more about the use of simultaneous impressions in the identification process. If your agency currently doesn't report identifications based on simultaneity then you may wish to attend. Research from both the United States and Europe will be presented along with the SWGFAST position on this important topic.

Should be Able to Perform

At the completion of this course the student should be better able to determine the simultaneity or non-simultaneity of impressions, with justification, on a variety of surfaces. Students should also have a more complete understanding of the many dynamics involved during the deposition process and how these dynamics affect the appearance of the resulting impressions.

Must Bring to Class

Students should bring fingerprint magnifiers and ridge counters.

Dress is business casual as the course will be conducted in a professional environment and facility.



Class Instructor:
John Black, CLPE,
CFWE, CSCSA



Course Logistics

When:

November 29 - December 1, 2022

Class Times:

08:00 AM - 05:00 PM

Where:

Omaha Public Safety Training Center
11616 Rainwood Road
Omaha, NE 68142

Tuition:

\$450.00

***This course approved for
I.A.I. Certification & Re-certification***

Local Contact

William Henningsen

Forensic Investigations Unit Manager

Omaha Police Department

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Daily Schedule

| | Day 1 | Day 2 | Day 3 |
|--------|--|---|--|
| Hour 1 | Registration / Course Overview / Introductions | SWGFAST simultaneous impression standard – analysis | Practical exercises – creating simultaneous impressions |
| Hour 2 | Review of the Patterson case | SWGFAST simultaneous impression standard – analysis | Practical exercises – creating non-simultaneous impressions |
| Hour 3 | Patterson oral arguments video | Practical exercises – determining simultaneity | Examination of created impressions |
| Hour 4 | Presentation of pilot study research | Practical exercises – determining simultaneity | Comparison Exercise |
| Lunch | Lunch | Lunch | Lunch |
| Hour 5 | Presentation of pilot study research | SWGFAST simultaneous impression standard – comparison | Comparison Exercise |
| Hour 6 | Discussion of additional research | SWGFAST simultaneous impression standard – evaluation, verification | Course review |
| Hour 7 | Practical exercises – determining simultaneity | SWGFAST simultaneous impression standard – reporting | Written examination |
| Hour 8 | Practical exercises – determining simultaneity | Discussion of other research efforts | Discussion of exam; certificates; evaluations; closing remarks |

Recommended Reading

Black, J. P. Pilot Study: The Application of ACE-V to Simultaneous (Cluster) Impressions. *Journal of Forensic Identification*. 2006, 56 (6), 933 - 971.

Standard for Simultaneous Impression Examination, 12/5/08, ver. 1.0, www.swgfast.org

Ashbaugh, D.R. *Quantitative-Qualitative Friction Ridge Analysis: An Introduction to Basic and Advance Ridgeology*; CRC Press: New York, 1999; pp 134-135.

Pre-Requisites

Attendees of this course should consider taking the Introduction to the Science of Friction Ridge Examination course first, however it is not required.

Helpful Lodging Information

Although we cannot endorse any particular hotel property, we have confirmed that the following lodging is within a reasonable commuting distance to the training site.

Holiday Inn Express & Suites Cherry Hills

6939 North 102nd Circle

Omaha, NE 68122

402-505-8181

[Click here to book a room.](#)

Fairfield Inn & Suites - Omaha Northwest

7101 N. 102nd Circle

Omaha, NE 68122

(402) 999-8089

[Click here to book a room.](#)