

## MEETING PROGRAMME

### 6.11.2017 (Monday)

08:00  
Registration

09:00  
Management Committee (MC) Meeting

12:30  
Lunch

14:00  
Host and Action's Chair Welcome  
*Dariusz Zuba, Simona Francese*

14:30  
Working Group 1 (analytical strand) Workshop – The End User perspective: state of the art of operational imaging technologies, issues limitations and desirables (Part 1)  
*Chair: Prof. Martina Marchetti-Deschmann*

Working Group 2 (digital strand) Workshop – The End User perspective: state of the art of operational imaging technologies, issues limitations and desirables (Part 1)  
*Chair: Prof. Dariusz Zuba*

16:00  
Coffee break

16:30  
Working Group 1 (analytical strand) Workshop – The End User perspective: state of the art of operational imaging technologies, issues limitations and desirables (Part 2)  
*Chair: Prof. Martina Marchetti-Deschmann*

Working Group 2 (digital strand) Workshop – The End User perspective: state of the art of operational imaging technologies, issues limitations and desirables (Part 2)  
*Chair: Prof. Dariusz Zuba*

**7.11.2017 (Tuesday)**

**SESSION 1**

Chairs: Prof. Martina Marchetti-Deschmann

Dr. Simona Francese

09:00

1. Fingerprint analysis via MALDI MS based methods: the analytical journey towards operational deployment

*Simona Francese*

09:20

2. What can compositional analysis of fingerprints add to the fingerprint detection process?

*Helmond van Ward, Christianne de Poot, Marcel de Puit*

09:50

3. Quantum dots based luminescent solids for fingerprint detection in different surfaces

*Manuel Algarra, Ksenija Radotić, Aleksandar Kalauzi, Dragosav Mutavdžić, Aleksandar Savić, José Jiménez-Jiménez, Enrique Rodríguez-Castellón, Joaquim C. G. Esteves da Silva, Juan José Guerrero-González*

10:10

4. Integrated Laser Sensor (ILS) for remote mapping of blood stains and fingerprints

*Francesco Romolo, V. Lazic, M. Nuvoli, A. Palucci*

10:30

5. Main features of specialized software tools to prove of fingerprint identification

*Artsemi Vodolazov*

10:50

Coffee break

11:30

6. Forensic applications of 3D imaging and modelling techniques: Denmark experience

*Chiara Villa, Peter Larsen, Christina Jacobsen*

12:00

7. Toward objective assessment of bruise age using optical techniques

*Boris Majaron, Luka Vidovič, Ana Marin, Nina Verdel, Matija Milanič*

12:20

8. Feasibility of multispectral photography for blood age detection

*Rebecca Brekau, Kerstin Reiher, Thomas Fischer*

12:40

9. Hyperspectral imaging as a preliminary analysis of dried blood spots  
*Alicja Majda, Renata Wietecha-Posłuszny, Agata Mendys, Anna Wójtowicz, Barbara Łydzba-Kopczyńska*

13:00

10. Highly accurate estimations of human age from small number of incremental lines in the dental cementum using scanning electron microscopy  
*Mimoza Ristova, Marija Talevska, Zdenka Stojanovska*

13:20

Lunch

Chairs: Dr. Alessandro Trivilini

Dr. Giuseppe Amato

14:15

11. Applications of Multimedia Information Retrieval to Security and Forensics  
*Giuseppe Amato*

14:45

12. Face Verification with Deep Learning  
*Giuseppe Amato, Fabrizio Falchi, Claudio Gennaro, Vittorio Romolini, Claudio Vairo*

15:05

13. Face recognition from Lytro images  
*Valeria Chiesa, Jean-Luc Dugelay*

15:25

14. Large scale facial-based person identification and retrieval using bag-of-features  
*Nikolaos Passalis, Anastasios Tefas*

15:45

Coffee break

16:15

15. UPT experience in forensics related computer vision applications  
*Florian Alexa, Catalin-Daniel Căleanu, Daniel Popa, Ciprian David*

16:35

16. Interpreting highly multivariate data for forensic purposes within the likelihood ratio framework  
*Agnieszka Martyna, Grzegorz Zadora, Aleksandra Michalska, Patryk Własiuk, Alicja Menzyk*

16:55

17. SMENETE: A smart environment technology project for improved distributed data management and monitoring  
*Jaanus Kaugerand, Sergei Astapov, Johannes Ehala, Andri Riid, Andres Udal, Jürjo-Sören Preden*

**8.11.2017 (Wednesday)**

**SESSION 2**

Chairs: Prof. Gholamreza Anbarjafari

Prof. Iva Bogdanović Radović

09:00

18. Secondary ion mass spectrometry using MeV ions (Mev SIMS) as a tool for the analysis of forensic materials

*Iva Bogdanović Radović, Zdravko Siketić, Milko Jakšić, Marijana Popović Hadžija, Mirko Hadžija, Mason C. Malloy, Dubravka Jembrih-Simburger, M. Anghelone, Marko Crnac*

09:30

19. Surface analysis techniques in forensic studies

*Aleksandra Pawlaczyk, E. Maćkiewicz, J. Rogowski, A. Parczewski, M. I. Szyrkowska*

09:50

20. Detection and imaging of drugs in the fingerprints by TOF-SIMS

*Elżbieta Maćkiewicz, Jacek Rogowski, Małgorzata Iwona Szyrkowska, Aleksandra Pawlaczyk*

10:10

21. Plasma-based ambient ionization mass spectrometry for direct analysis of psychoactive compounds

*Marek Smoluch Przemysław Mielczarek, Edward Reszke, Jerzy Silberring*

10:30

22. Study of metabolism of psychoactive compounds using electrochemistry combined with mass spectrometry

*Przemysław Mielczarek, Jerzy Silberring, Marek Smoluch*

10:50

Coffee break

11:30

23. Trends and projects in trace evidence examination

*Jaap van der Weerd*

12:00

24. Importance of single fibres imaging in forensic examinations

*Jolanta Wąs-Gubala*

12:20

25. Forensic examination of new varieties of naturally colored cotton fibers

*Alla Malinnikova, Irina Ahramovich, Vladislav Budevich, Dmitriy Kuzmenkov*

12:40

26. Spectral line imaging as a tool for smartphone detection of counterfeits

*Janis Spigulis, Ilze Oshina*

13:00

Lunch

14:00

Working Group 1 – Round Robin study – Presentation and discussion of results (Part 1)

*Chair: Prof. Martina Marchetti-Deschmann*

Working Group 2 – Round Robin study – Presentation and discussion of results (Part 1)

*Chair: Dr. Alessandro Trivilini*

15:30

Coffee break

16:00

Working Group 1 – Round Robin study – Presentation and discussion of results (Part 2)

*Chair: Prof. Martina Marchetti-Deschmann*

Working Group 2 – Round Robin study – Presentation and discussion of results (Part 2)

*Chair: Dr. Alessandro Trivilini*

19:30

Social dinner

**9.11.2017 (Thursday)**

### SESSION 3

Chairs: Prof. Tomasz Łojewski

Prof. Thomas Fischer

09:00

27. Multispectral imaging and reflectance transformation imaging for heritage objects

*Tomasz Łojewski*

09:30

28. Forensic methods for determining the sequence of intersecting lines – capabilities and limitations

*Marcin Kunicki, Aleksandra Michalska*

09:50

29. The automation of forensic-botanical expertise with dendrochronological analysis

*Anna Khokh*

10:10

30. Automatized relative quantification of nucleic acids by a multi-parametric imaging platform  
*Stefan Rödiger, Michał Burdukiewicz, Roy-Arne Senkel, Werner Lehmann, Peter Schierack, Thomas Fischer*

10:30

Coffee break

11:15

31. Challenges in gunshot residue examinations for forensic purposes  
*Zuzanna Brożek-Mucha*

11:35

32. Optimised Anisotropic Poisson Denoising of SEM images  
*Thomas Fischer, Georg Radow, Michael Breuß, Laurent Hoeltgen*

11:55

33. The electronic fractography in the study of automobile light sources  
*Aksana Makas*

12:15

34. Reinforcement of the forensic science studies in Serbia: advance courses on forensic mass spectrometry and imaging  
*Biljana Škrbić, Nataša Đurišić-Mladenović, Mimoza Ristova*

12:35

Final remarks

*Dariusz Zuba*

12:45

Lunch