



# AMBER “enhAnced Mobile BiomEtRics”

Autumn 2019 Newsletter

**amber**  
Marie Skłodowska - Curie ITN

<https://www.amber-biometrics.eu/>



@AMBERBiometrics



This summer marks the second active year of AMBER as a Marie Curie Innovative Training Network. During this year we have gathered in Brussels for our project mid-term review and held the second research conference in Salamanca, Spain.

Our ESRs continue with their research topics and have completed industrial secondments. These industrial placements make up an important part of the training network, giving our researchers a chance to work alongside individuals in industry in their area of interest. Not only that, but they get to live in another European city.

## CURRENT AND UPCOMING EVENTS



### EAB RESEARCH PROJECTS CONFERENCE (EAB-RPC) 2019

AMBER is currently holding a special session at the EAB research projects conference. Here three of our ESRs: Salatiel, Elakkiya and Anas have presented on various areas of mobile biometrics. This includes swipe authentication, privacy and finger print spoofing.



### The EuroScience Open Forum (ESOF)

is a biennial, pan-European, general science conference dedicated to scientific research and innovation. AMBER have submitted a proposal to attend a special session at this conference for 2020.



## Second Research Conference Salamanca, Spain May 2019



### Second Research Conference Salamanca, Spain May 2019

The AMBER project members met in the beautiful setting of Salamanca, Spain to hold the second research conference. This event followed on from the last event which was the second workshop held in Warsaw, Poland last year.

For the event our early stage researchers had to “pitch” their research in a three minute presentation to demonstrate how they can summarise their research for a non scientific audience. This exercise was based upon the 3 Minute Thesis (3MT) competition from the University of Edinburgh, originally created by University of Queensland.

On the first day we also heard from Professor Stephen Elliott, of The Centre for Education and Research in Information Assurance and Security (CERIAS), Purdue University on the challenges of biometric data collection. This included discussion on mobile data collection efforts, encompassing challenges associated with mobile data collection, surveillance cameras for face recognition at a distance, and longitudinal studies of face, finger, iris modalities on infants.

In the afternoon academic partner Professor Raul Sanchez-Reillo went through the complexities of data presentation and analysis. This provided in depth guidance to the audience on the expectations of publishing papers.

The conference finished with a scientific paper review exercise which comprised of anonymous papers for the ESRs to “review”. Each group has presented back with interesting feedback.



#### Left:

Patrizio from our Rome partner UNIROMA3, speaks about scientific publication and ethics.

#### Right:

Stephen Elliott of The Centre for Education and Research in Information Assurance and Security (CERIAS), Purdue University, speaks about data collection and the challenges.



## A summer spent with AMBER Industrial partners



Elakkiya has spent her summer working with AMBER project partner Namirial in Vienna, Austria.

Namirial is unique in the market and is at the same time a Software and Service Company and a Certification Authority, which provides Trust Services like e-signature, registered e-mail, e-invoicing and long term digital archiving to more than 1.000.000 customers, with its own products and solutions.

Elakkiya was collaborating with the research team at Namirial on evaluating dynamic signatures across different input tools such as stylus and finger. Using the signature verification engine to analyse impact of usage scenarios of mobile devices on authentication performance.



From our Madrid partner Universidad Carlos III de Madrid (UC3M), Anas and Barbara have both been on industrial placement .

Anas continues his research into presentation attack detection alongside industrial partner NEXT Biometrics.

NEXT Biometrics are based in Prague and patented technology called NEXT Active Thermal™ enables NEXT to produce large-size, high performance fingerprint sensors at industry's best cost per area price point.



Barbara joined Eleven Paths based in Madrid, Spain. Barbara continued her research in the usability of mobile biometric application alongside Eleven Paths, leader company in the cybersecurity field.

At ElevenPaths, the Telefónica Group's global cybersecurity unit, they believe that a safer digital world is possible. Eleven paths supports customers with their digital transformation, creating disruptive innovation in cybersecurity in order to provide the necessary privacy and trust in their daily digital lives.

## Dates for the diary

The third workshop and dissemination event for our ESRs will be happening from the **6th to the 7th November 2019 in Magdeburg, Germany**. This workshop will be hosted by our German partners, OVGU.

**FIND OUT MORE ABOUT AMBER: <https://www.amber-biometrics.eu> &**

**FOLLOW US ON TWITTER**



@AMBERBiometrics

Grant Agreement No: 675087

