



CINTiA 2023

Summary Report



**Institute of Computer Science AGH University
of Science and Technology, Krakow**



19th-21st September 2023



CINTiA 2023

CONFERENCE PANEL

WORKSHOPS

EXHIBITION

Organisers



Polish Platform
For Homeland Security



Event partner



Cyclopes project has received funding from the European Union's Horizon 2020 - the Framework Programme for Coordination and Support Action (2014-2020) under grant agreement No. 101021669.

Honorary Patrons of the CINTiA 2023



Commander-in-Chief of the Polish Police



Director of the Polish Government
Centre for Security



Head of the Polish Central Anti-Corruption
Bureau

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1. CONFERENCE OVERVIEW

The second edition of the international analytical conference “Criminal Intelligence – New Trends in Analysis Conference 2023” (CINTiA 2023) **has concluded its work successfully!** The event was held on 19-21 September 2023 in Institute of Computer Science AGH University of Krakow.

CINTiA 2023 attracted **more than 250 participants** from different backgrounds to discuss what they have in common – criminal analysis and intelligence.

The event has become a forum to bring together **law enforcement agencies, public institutions, researchers, scientists and suppliers of modern technologies.** The main objective of the Conference was to enable experiences, knowledge and needs transfer between participants in **6 areas.**



LEA, Defence and Intelligence
Analysis



Lawful Interception and Criminal
Investigation



Social Network Monitoring,
Artificial Intelligence and Analytics



Threat Intelligence Gathering
and Cyber Security



Intelligence DarkWeb, Bitcoin,
Altcoin and Blockchain
Transaction



Digital
Forensics

1.1.CINTiA 2023 in numbers



+250
PARTICIPANTS



24
PRESENTATIONS*



5
WORKSHOPS



8
EXHIBITORS



22
COMPANIES*



CINTiA
2023

* To know more about speakers and companies visit [Conference Catalog](#)

1.2. Participating organisations

- Komenda Główna Policji (National Police Headquarters)
- Komendy Wojewódzkie Policji (Provincial Police Headquarters)
- Centralne Biuro Śledcze Policji (Central Investigation Bureau of Police)
- Centralne Biuro Zwalczania Cyberprzestępczości (Central Bureau for Combating Cybercrime)
- Centralne Laboratorium Kryminalistyczne Policji (Central Forensic Laboratory of the Police)
- Narodowa Policja Ukrainy (National Police of Ukraine)
- Agencja Bezpieczeństwa Wewnętrznego (Internal Security Agency)
- Centralne Biuro Antykorupcyjne (Central Anticorruption Bureau)
- Agencja Wywiadu (Foreign Intelligence Agency)
- Służba Kontrwywiadu Wojskowego (Military Counterintelligence Service)
- Komenda Główna Żandarmerii Wojskowej (Headquarters of the Military Gendarmerie)
- Straż Graniczna (Polish Border Guard)
- Prokuratura Krajowa (National Prosecutor's Office)
- Służba Więzienna (Prison Service)
- Krajowa Administracja Skarbowa (National Revenue Administration)
- The International Cyber Academy (Ukraine)
- Centre for Information Resilience (CIR)
- Ministerstwo Finansów (Ministry of Finance)
- Ministerstwo Cyfryzacji (Ministry of Digital Affairs)
- Komisja Nadzoru Finansowego (Polish Financial Supervision Authority)
- Ambasada Izraela w Polsce (Embassy of Israel in Poland)
- NASK – Państwowy Instytut Badawczy (National Research Institute NASK)
- Poznańskie Centrum Superkomputerowo-Sieciowe PCSS (Poznan Supercomputing and Networking Center)
- Politechnika Śląska (Silesian University of Technology)
- Obserwatorium Bezpieczeństwa (Security Observatory)
- Centrum Cyberbezpieczeństwa AGH (AGH Center of Security Technologies)
- Polski Klaster Cyberbezpieczeństwa #CyberMadeInPoland (Polish Cybersecurity Cluster #CyberMadeInPoland)

1.3.Participating companies



2. SUMMARY & HIGHLIGHTS

The three-day event was filled with many **interesting presentations** showcasing innovative solutions and results of the research. During the **conference panel**, there were also presentations by representatives of law enforcement agencies who shared their current challenges in the field of criminal analysis and intelligence. **Workshops** provided a great opportunity to familiarize oneself with the practical applications of the presented technologies. **Exhibition** of the latest technological solutions allowed participants to have direct conversations with the providers of these solutions and engage in fruitful networking.

2.1. Day 1 – 19 September 2023

The first day of the Conference started with **welcoming and opening of the event**. All distinguished speakers and numerous participants were welcomed by the:

- **Professor Marek Kisiel-Dorohinicki**, Dean of Faculty of Computer Science at AGH University of Science and Technology in Krakow (Organizer)
- **Daniel Karpeta**, Deputy Head of Central Anti-Corruption Bureau (Honorary Patron)
- **Professor Arkadiusz Letkiewicz**, Polish Platform for Homeland Security (Organizer)
- **Rashel Talukder**, Polish Platform for Homeland Security
- **Marek Wierzbicki**, Polish Platform for Homeland Security



The keynote speech was delivered by **Fryderyk Darnowski** from **Central Anti-Corruption Bureau**, who emphasized the significant role of artificial intelligence in the everyday work of an analyst.

A specialised service of the Polish Armed Forces, the **Military Gendarmerie**, represented by **Marek Grzeszczuk** and **Marzena Pietruniak**, shared their experience in criminal analysis and possibilities of using OSINT.

It was an honour to listen the next speech, which took place in a hybrid format. From Kyiv, **Oleksii Serhieiev**, **Deputy Minister of Internal Affairs of Ukraine** joined online, followed by **Ihor Shyshkin**, **Deputy Head of the Unit in Criminal Analysis Department of the National Police of Ukraine**, who was present onsite. The presentation focused on outlining the development of criminal analysis in the National Police of Ukraine and systematic approach to expanding analytical capabilities at the regional and local levels in the conditions of military conflict.



The first day of the conference was filled with many **content-related speeches**. The conference panelists included:

Krystian Wojciechowski, AGH Center of Security Technologies, who highlighted the importance of enhancing the professionalism of crime analysts in the context of the challenges of the future.



Aleksander Goszczycki and Piotr Gocał, MATIC SA, who focusing on the topic of Financial Trail and modus operandi in financial analysis.

"Matic SA has been operating on the Polish IT market since 1990. We specialize in delivering advanced information technology services and solutions as well as systems vital for national security and defense. Our offering is especially tailored to the needs of institutions of public administration, uniformed services and the enterprises which operate in strategic industries. We can say with pride that we actively participate and support the technology transformation processes of Polish companies and state institutions. We have been building our IT experience and expertise during more than 25 years of our market presence, which has enabled us to build a stable position on the new technology solutions market. The competence and the experience of our team have been confirmed by the numerous authorizations and certificates awarded to Matic SA by the leaders of the ICT industry."

Anne-Emmanuelle Grené, **Neuronalys**, presented the potential of using AI for crowd behavioral analysis to ensure safety in public spaces and at major events, using the example of the Olympic Games in Paris in 2024.

"Neuronalys is a French startup specializing in transformative software solutions driven by Artificial Intelligence. Our flagship solution, NeuroCop, stands as an intelligent video analysis solution. It enhances safety and security across Public Spaces, Industry, and Defense while optimizing operational efficiency. The solution can accurately identify a range of threats from land to air to sea, facilitating swift decision-making for maintaining order. NeuroCop can therefore easily be integrated into miniaturized technologies such as drones and perimeter protection robots."



Wojciech Weissenberg, **squareTec**, showcased technology enables instant forensic analysis on an archive and increases real-time operational awareness and increasing the efficiency of using data from video analytics systems.

"SquareTec is an integrator focused on security. We are distinguished by an extremely talented and open-minded team, through which we develop dedicated and advanced solutions. One of them is an advanced platform for system integration and big data analysis on data from video surveillance, video analytics and cyber security systems. Our solutions support and provide knowledge in forensic activities and support operations in real time, increasing operational awareness."

The first day of CINTiA 2023 concluded with a parallel workshop session:

Bartosz Sulek, IDEMIA, demonstrated a practical solution for the efficient processing and graphical presentation of unstructured and structured large data sets.

“OPPSCIENCE is an IDEMIA company, an international software editor in the field of Big Data and Artificial Intelligence dedicated to law enforcement & intelligence. With R&D experts dedicating more than 20 years of efforts in various technologies (such as: Natural Language Processing, Linked Data, Artificial Intelligence, Search & Knowledge Modeling, knowledge convergence, and more), it is now a pioneering technology enterprise in Intelligence Analysis Management (IAM). Together with innovative experts and dedicated partners, they develop high-end technologies for law enforcement end-users. IDEMIA & OPPSCIENCE is now providing elegant solutions to enhance decision-making experiences in different professions for users worldwide. The IAM provides a secure and sustainable ecosystem of technologies to generate relevant information & knowledge from big data through only one access point. Its solutions transform scattered multi-format data into contextualized information. The information is displayed in multiple dimensions to create knowledge that can be accessed intuitively from a single entry. Using state-of-the-art technologies, its IAM ecosystem can process multi-format mass data to uncover insights that can aid decision-making.”



Miroslav Nečas and Petr Vancí Hochberger, TOVEK, showed a tool for hybrid data fusion capability: transforming Data from OSINT, digital forensics, criminal investigations, lawful interception and Intelligence into a unified perspective.

"TOVEK's exceptional software bridges the divide between information and actionable intelligence. With over 30 years of experience, TOVEK has been at the forefront of developing cutting-edge technology for information retrieval and analysis in the domains of Law Enforcement, Intelligence, and Defense. We greatly value our enduring partnerships with esteemed customers, which include prominent Czech and international government agencies. Our software empowers them to efficiently find, understand, and use information in order to make faster and better decisions."



2.2. Day 2 – 20 September 2023

The second day of the Conference started with two online presentations:

Valerii Tsiupa, International Cyber Academy of Ukraine, described briefly the Ukrainian challenges of cyber security in the conditions of war.

Sam Heyes, Centre for Information Resilience (CIR), keeping to the issue of Ukraine, presented the topic of the Verifying Russia's full-scale invasion of Ukraine through open-source investigation techniques.



The session of online speeches was followed by further presentations on the latest technology in the subject area of the Conference:

Łukasz Wołonciej, Data Walk SA and Przemysław Rejczak representing National Police Headquarters (Criminal Intelligence and Information Office in Criminal Analysis Department) showcased the practical application of Big Data Information Exchange and Analysis System – an offline solution combining Bitcoin data with traditional financial investigations.

"DataWalk is an Enterprise-class software platform for data analysis, which enables organizations to generate better intelligence analysis products and accelerate investigations. DataWalk enables data-intensive organizations to blend all desired data from various internal and external sources into a unified view, such that they can instantly search, visualize, and collaboratively analyze all of their data through a comprehensive set of simple visual tools. DataWalk is utilized by Enterprises and government agencies on three continents and is applicable to use cases such as intelligence analysis, anti-money laundering, anti-fraud, pandemic management, and others."



Morten Kinly Klinge, XCI A/S, presented the software's capabilities to empowering users to easily investigate past and future threats from the rapidly growing amounts of data and protocol complexity.

"XCI is a Danish software company proudly serving intelligence and law enforcement agencies across the world. Our off-the-shelf software products provide unprecedented insights from the growing amounts of

communications data, empowering users to easily investigate past and future threats from the rapidly growing amounts of data and protocol complexity. This requires a new, machine-assisted, data-driven approach. To solve this complex challenge, we combine domain knowledge, deep understanding of communications data, artificial intelligence, and analytics.”

Marcin Marjasiewicz, GISPartner, presented solutions for analysing large data sets and searching for links between analysed data, and demonstrated the functionality of the graph analytics platform.

“GISPartner is a leading Polish software supplier serving the most demanding clients since 2003. We deliver GIS complex solutions, big data analytics based on graph databases, advanced solutions for water and environment management, e-services for public sector. Our portfolio includes the biggest GIS systems in Poland, including the National Geoportal. All thanks to our propriety iMap platform and an amazing multidisciplinary team combining software development skill with domain knowledge.”

Anna Nowakowska-Głuszak and Kamil Piętak, representatives of the **AGH Center of Security Technologies**, outlined the current challenges and proposals for tools that support the analysis of data from multiple mobile devices and also further developments.



Karl Zettl, Iknaio Cryptoasset Analytics GmbH, presented an automated Cryptoasset Analytics Platform for law enforcement agencies, companies in the security sector as well as for the payment industry and delivers therefore a crucial contribution to fight crypto fraud and risk-monitoring and to helps making cryptocurrencies more secure.

"Iknaio Cryptoasset Analytics GmbH provides an automated Cryptoasset Analytics Platform tailored for law enforcement agencies, security sector companies, and the payment industry and plays a crucial role in combating cybercrime and crypto fraud. At Iknaio Cryptoasset Analytics GmbH, we prioritize process automation. By leveraging automation, we deliver results within shorter time frames, saving valuable resources and reducing costs for our esteemed customers. This makes it easy for the investigator to track the movement of Cryptoassets."



Marek Ruciński, SAS Institute Sp. z o.o., demonstrated SAS Visual Investigator software on modern Viya platform, which enables organizations to cover the full analytical cycle from data management and governance, building analytical models, conducting investigations, operationalizing analytical models and reporting.

"We envision a world where everyone can make better decisions, grounded in trusted data and assisted by the productivity and speed of SAS® AI and analytics. When decisions need to happen at just the right moment, you need the world's most trustworthy analytics brand and people to give you confidence. SAS technology enhances law enforcement and public safety with a cloud ready, structured environment for

collecting, managing, and analysing intelligence data. SAS platform helps you identify and explore complex networks across multiple data sources and over variable time periods."



David Grau, Cognyte, introduced Cryptocurrency Deanonymization Platform using real-life case studies that highlighted the Platform's capabilities.

"Cognyte is a global leader in investigative analytics software that empowers a variety of government and other organizations with Actionable Intelligence for a Safer World™. Our open interface software is designed to help customers accelerate and improve the effectiveness of investigations and decision-making. Hundreds of customers rely on our solutions to accelerate and conduct investigations and derive insights, with which they identify, neutralize, and tackle threats to national security and address different forms of criminal and terror activities."

Bartosz Sulek, Idemia, presented IAM: Intelligence Analysis Management - Harnessing technology for big data analysis and data mining

Andrea Frisina, Amped Software, gave a speech about complete software solutions for the analysis and enhancement of images and videos for forensic, security, and investigative applications.

"Amped Software develops solutions for the forensic analysis and enhancement of images and videos to assist an entire organization with all investigations, starting from the field, up to the forensic lab, and then to

the courtroom. Amped solutions are used by forensic labs, law enforcement, intelligence, military, security, and government agencies worldwide. With an emphasis on the transparency of the methodologies used, Amped solutions empower customers with the three main principles of the scientific method: accuracy, repeatability, and reproducibility."

According to the agenda, the second day of the conference was finished with a series of workshops:

Piotr Wiśniewski and Aleksander Goszczycki, MATIC SA, held a 1.5-hour meeting with interested end-users, introducing advanced crime analysis tools - the latest version of the i2 software.

At the same time, two workshops were conducted:

Wojciech Weissenberg and Jan Grusznic, squareTec, demonstrated the developed tool for simple forensic search that is possible in less than a few minutes.



Krystian Wojciechowski together with **Leica Geosystems** part of **Hexagon** team conducted a **3D laser scanning technology demonstration** to support detection and analysis work.

"Hexagon's Geosystems division provides a comprehensive portfolio of digital solutions that capture, measure, and visualise the physical world and enable data-driven transformation across industry ecosystems. Our reality-capture technologies create digital worlds from different views, whether a single dimension between two walls in a house, cadastral boundaries of properties or 3D shapes of cities, infrastructures, utilities, entire countries or even crime scenes. These digital worlds provide actionable

information vital for understanding, planning and execution. During execution, Geosystems' positioning, guiding and visualisation solutions empower users to work with the highest efficiency and quality."



2.3. Day 3 – 21 September 2023

The third and final day of the Conference was opened with a presentation of the results of the **CYCLOPES European project** (Cybercrime Law Enforcement Practitioners' Network) – event partner of CINTiA 2023. The main objectives of the project were outlined by **Marek Wierzbicki**, Polish Platform for Homeland Security.



The following speakers then took the floor:

Marcin Waszczuk, Microsoft Sp. z o.o., presented the possibilities of MINTED Technology Accelerator - a tool that allows you to efficiently find answers to questions using data.

Aleksander Goszczycki, MATIC SA, demonstrated another of the company's tools, the SEA Drite Test System, for the measurement and analysis of the coverage of cell sites.

The scientific presentation by **Dominik Żurek** from **AGH Center of Security Technologies** dealt with the topic of using Self-organising neural networks in digital forensics applications.



Minh Ngoc Dao, Chainalysis presented their Blockchain data platform and how to investigate and analyze financial transactions and investigating suspicious activities.

"Chainalysis is the blockchain data platform. They provide data, software, services, and research to government agencies, exchanges, financial institutions, and insurance and cybersecurity companies in over 70 countries. Our data powers investigation, compliance, and market intelligence software that has been used to solve some of the world's most high-profile criminal cases and grow consumer access to cryptocurrency safely. Backed by Accel, Addition, Benchmark, Coatue, GIC, aradigm, Ribbit, and other leading firms in venture capital, Chainalysis builds trust in blockchains to promote more financial freedom with less risk."

The conferences were closed with a presentation by a **Polish start-up**. Katarzyna Dzit from **Cryptomage** gave a presentation of the Cryptomage Cyber Eye solution which provides real-time, network-based anomaly detection and prediction and a unique approach to network traffic analysis.

"Cryptomage® is a hi-tech ICT company with academic roots, offering a Network Detection and Response class cybersecurity probe. Cryptomage Cyber Eye™ provides real-time, network-based anomaly detection and prediction. A unique approach to network traffic analysis, with a combination of protocol behavior, low-level network behavior, packet, and host communications behavioral analysis, powered by in-house developed Artificial Intelligence and Machine Learning algorithms. With Cryptomage Cyber Eye™, organizations can identify, monitor, and triage traffic flows, connections, and malicious events providing security and process automation to discover and prevent a range of threats in real-time."

3. EXHIBITION

The conference was accompanied for three days by an exhibition of the latest technologies. Participants had the opportunity to **learn about the tools offered, discuss and share their experiences, perspectives and needs**.

The following companies took part in the exhibition:

1. squareTec
2. GISPartner
3. Idemia
4. Matic SA
5. Amped Software
6. Chainalysis
7. Enigma Systemy Ochrony Informacji Sp. z o.o.
8. SpyShop







4. FEEDBACK & CONCLUSIONS

Thank you all for filling in the CINTiA 2023 post-event survey. We are delighted that **more than 92% of respondents** rated the event as 'excellent' or 'very good' and appreciated the way the event was organized. **75% of respondents would recommend the event to their colleagues.** We are pleased that CINTiA 2023 **met the expectations** of the vast majority of participants.

The following list summarizes the feedback received from Conference participants. **Feedback will be reviewed and will serve as the building blocks for the next edition of CINTiA.** The organizers are appreciative to all the participants who provided comments and suggestions on how to improve next year's edition.

Stay tuned for more information on CINTiA 2024. See you next year!

Q: What did you like most about the event?

Answers:

- The opportunity to listen to excellent speeches, share the experiences of the various LEAs behind the scenes and familiarise yourself with what is on offer at the exhibitors' stands
- Presentations by LEAs
- Substantive integration of the academic and ministerial environment
- Presentations by international guests
- Excellent choice of speakers and substantive presentations
- Opportunity for direct contact and discussions
- Opportunity to learn about new products/solutions
- Possibility to meet and exchange with leading analytical agencies and experts
- The professionalism of the exhibitors and the great willingness to meet demand and adapt products to customer requirements and specificities
- All polish police and intelligence is gathered at one event
- The conference was not limited to analytics but also included related fields or those related to analytics
- The direction in which crime analysis is going, i.e. BigData, ML or ANN and the speeches presented on this topic

Q: How can the next edition of the event be improved?

Answers:

- More practical workshops
- Variety of topics
- Making it in place that deliver wider space
- Create opportunities for one-to-one discussions with exhibitors
- Change localization to a larger conference venue and maybe move it around Poland (each year in another city). This would allow regional organizations to attend
- Close down the conference tracks, so that companies cannot see each other's presentations. They are sensitive and reveals too many details to disclose to competitors
- Parallel thematic sessions during the conference panel
- Thematic sessions to make speeches longer and increase the number of contributions
- Making the length of coffee breaks harmonised on all days and adapting them optimally to the schedule

Question: What substantive content/activities could the next edition be expanded to include?

Answers:

- The opportunity to obtain extensive information on the use of different tools and the opportunity to exchange information and experiences between participants
- Experience of the Prison Service in the field of criminal analysis, more specifically, the Internal Inspectorate of the Prison Service
- More representatives of companies developing tools for data analysis and data collection
- Invite the scientific community related to the theme of the symposium from other academic centres
- Cryptocurrencies, analysis of the latest hacks/attacks/exploits - case studies
- Panel on mobile solutions to support analytics
- Use of forensic analytics in sealing the tax system
- An interesting case shown from the inside was missing
- Elements of operational technology (hardware)
- Discussion by practitioners of real cases and the software used for this purpose
- Examples on what tools can be used in what specific analytical problems/challenges
- Cyber security (protection and prevention)

- Analytics should be the main subject. I would not recommend opening the conference to any subject related to Law Enforcement
- There was a lot about data analysis and very little about digital forensic
- Tools for OSINT, SOCMINT
- Products to support operational activities enabling ongoing monitoring and analysis of events
- More technical/engineering
- More ML, DL and AI

5. APPENDIX

5.1. Agenda

Criminal Intelligence New Trend in Analysis Conference

Institute of Computer Science AGH University
of Science and Technology, Kraków
19 – 21 September 2023



Agenda

Day 1 – 19 September 2023 (Tuesday)

8:00 – 9:00	Registration
9:00 – 9:30	Opening the conference <i>AGH University of Science and Technology, Polish Platform for Homeland Security, Central Anti-Corruption Bureau</i>
9:30 – 10:00	Keynote speech: Bigger than Big Data: The Rise of Artificial Intelligence <i>Fryderyk Darnowski, Central Anti-Corruption Bureau</i>
10:00 – 10:30	The use of OSINT and criminal strategic analysis in the Polish Armed Forces for the formation of state security <i>Marek Grzeszczuk, Marzena Pietruniak, Headquarters of the Military Police</i>
10:30 – 11:00	Coffee break
11:00 – 11:30	Ministry of Internal Affairs of Ukraine & National Police of Ukraine speech <i>Oleksii Serhieiev, Deputy Minister of Internal Affairs of Ukraine, Ihor Shyshkin, National Police of Ukraine</i>
11:30 – 12:00	Enhancing the professionalism of crime analysts in the context of the challenges of the future <i>Krzysztof Krassowski, Krystian Wojciechowski, AGH Center of Security Technologies</i>

12:00 – 12:30	FinancialTrail - modus operandi in financial analysis <i>Aleksander Goszczycki, Piotr Gocał, MATIC SA</i>
12:30 – 14:30	Lunch break
14:30 – 15:00	Shielding the Crowds: Using AI Behavioral Analysis for Security in Public Spaces and Major Events <i>Anne-Emmanuelle Grené, Neuronalys</i>
15:00 – 15:30	Clear the data - from video footage to efficient forensic search <i>Wojciech Weissenberg, squareTec</i>
15:30 – 16:00	Coffee break
16:00 – 16:45	<div> Workshop: Using NLP and semantic analysis to analyze large data sets. Processing and graphical presentation of unstructured and structured data <i>Bartosz Sulek, IDEMIA</i> </div> <div> Workshop: Hybrid Data Fusion Capability: Transforming Data from OSINT, Digital Forensics, Criminal Investigations, Lawful Interception, and Intelligence into a Unified Perspective <i>Miroslav Nečas, Petr Vancl Hogberger, TOVEK</i> </div>
17:00 – 19:00	Social Dinner

Day 2 – 20 September 2023 (Wednesday)

8:30 – 9:00	Welcome coffee & Registration
9:00 – 9:15	Ukraine's current experience in cybersecurity (<i>online</i>) <i>Valerii Tsiupa, International Cyber Academy</i>
9:15 – 9:30	Documenting and verifying Russia's war on Ukraine using open-source investigation techniques (<i>online</i>) <i>Sam Heyes, Centre for Information Resilience (CIR)</i>
9:30 – 10:00	Big Data Information Exchange and Analysis System. Offline Solution Combining Bitcoin Data with Traditional Financial Investigations. <i>Łukasz Wołonciej, DataWalk SA, Przemysław Rejczak, Criminal Intelligence and Information Office, Criminal Analysis Department, National Police Headquarters</i>
10:00 – 10:30	Every piece of data tells a story <i>Morten Kinly Klinge, XCI A/S</i>
10:30 – 11:00	In the thicket of relation - graph databases and data fusion in the detection of complex patterns and correlation <i>Marcin Marjasiewicz, GISPartner</i>
11:00 – 11:30	Coffee break
11:30 – 12:00	Current challenges and proposals for tools to help data analysis from multiple mobile devices

Anna Nowakowska-Głuszak, Kamil Pięta, AGH University of Science and Technology

12:00 – 12:30 Collaborate way the fight Cybercrime - The importance of mass data processing
Karl Zettl, Iknaio Cryptoasset Analytics GmbH

12:30 – 13:00 The use of analytical models in the work of an forensic analyst
Marek Ruciński, Zbigniew Skaliński, SAS Institute Sp. z o.o.

13:00 – 14:15 **Lunch break**

14:15 – 14:45 Revealing the Invisible with Blink - Real Stories of Cryptocurrency Deanonimization.
David Grau, Cognyte

14:45 – 15:15 IAM: Intelligence Analysis Management - Harnessing technology for big data analysis and data mining
Gilles Andre, Idemia

15:15 – 15:45 Forensic Video and Image Analysis with Amped Software
Andrea Frisina, Amped Software

15:45 – 16:00 **Coffee break**

16:00 – 17:30 **Workshop:** Advanced crime analysis tools, including the latest version of i2 software
Piotr Wiśniewski, Aleksander Goszczycki, MATIC SA

16:00 – 16:45 **Workshop:** Simple forensic search in minutes
Wojciech Weissenberg, squareTec

16:45 – 17:30 **Workshop:** Support of detection and analysis work using 3D laser scanning technology
Roland Raith, Krystian Wojciechowski, Leica Geosystems (Hexagon)

Day 3 – 21 September 2023 (Thursday)

8:30 – 9:00 **Welcome coffee & Registration**

9:00 – 9:30 Presentation of Cyclopes project results
Marek Wierzbicki, Polish Platform for Homeland Security

9:30 – 10:00 Different sources - one goal. How to use data to efficiently find answers to questions.
MINTED Technology Accelerator
Marcin Waszczuk, Microsoft Sp. z o.o.

10:00 – 10:30 Measurement and analysis of the coverage of cell sites using SEA Drive Test System
Aleksander Goszczycki, MATIC SA

10:30 – 11:00 Self-organizing neural networks in digital forensics applications
Dominik Żurek, AGH University of Science and Technology

11:00 – 11:15 **Coffee break**

11:15 – 11:45	<i>Address Poisoning in DeFi</i> <i>Minh Ngoc Dao, Chainalysis</i>
11:45 – 12:15	NDR in the service of cybersecurity - Cryptomage Cyber Eye <i>Katarzyna Dzidt, Cryptomage (Polish start-up)</i>
12:15 – 12:30	Closure
12:30	Lunch

5.2. Video Overview

CINTiA 2023 Analytical Conference on [YouTube](#)





Organisers



Polish Platform
For Homeland Security



Event partner



CYCLOPES

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