



**5th Blockchain and Cryptocurrency
Conference (B2C' 2026)**

**2nd International Conference on Big Data
Analytics & Applications (BDAA' 2026)**

Conference Programme

**28-30 October 2026
Las Palmas de Gran Canaria, Spain**



Organized by:



Message from Chairman

Dear Colleagues,

On behalf of the Organizing Committee, it is my pleasure to welcome you to Las Palmas de Gran Canaria for the *5th Blockchain & Cryptocurrency Conference (B2C' 2026)* and the *2nd International Conference on Big Data Analytics & Applications (BDAA' 2026)*, held jointly on 28–30 October 2026.

Bringing these two conferences together reflects the growing convergence of decentralized technologies and data-driven intelligence. Blockchain is transforming the ways in which we establish trust, secure information and exchange value, while big data analytics and artificial intelligence provide powerful tools for extracting knowledge from increasingly complex information. Their intersection creates both new opportunities and important scientific, technical and regulatory challenges.

This year's programme brings together research on digital currencies, tokenization, blockchain security, privacy, decentralized systems, regulatory intelligence, scalable analytics and practical applications of AI. Through keynote lectures, technical sessions and online presentations, we hope to encourage constructive discussion, the exchange of experience and new interdisciplinary partnerships.

I would like to express my sincere gratitude to our keynote speakers, authors, session chairs, International Programme Committee members and reviewers for their valuable contributions. My appreciation also goes to our sponsors, media partners and the IFSA organizing team for their support and dedicated work.

I hope that B2C' 2026 and BDAA' 2026 will provide fresh inspiration, strengthen professional connections and lay the foundation for future collaborations. To those attending in person, I also wish a pleasant stay on the beautiful island of Gran Canaria.

I wish you all a successful and memorable conference.

Prof., Dr. Sergey Y. Yurish
Chairman

Conference Venue

The Conference umbrella will take place on 28-30 October 2026 in AC Marriott Hotel Gran Canaria, Spain, conference room *Forum C* (22nd floor). Address: C. Eduardo Benot, 3-5, 35007, Las Palmas de Gran Canaria, Spain

Insurance and Liability

The conference organizers accept no liability for any loss, damage, injury, illness, accident, delay, theft, or other incident affecting participants, accompanying persons, or their property in connection with attendance at the conference or related activities. Participants are solely responsible for arranging adequate personal, medical, travel, accident, liability, and property insurance as necessary. Attendance at the conference is at the participant's own risk.

Registration

The Registration Desk is open in the lobby near the *Forum C* conference room in AC Marriott Hotel Gran Canaria, 22nd floor

- Wednesday, 28 October 2026, 9:45-16:00
- Thursday, 29 October 2026, 9:45-16:00

Language

The official language of the Conference is English. There will be no simultaneous interpretation.

Conference Identification Tag

The Organizing Committee request that you wear your identification tag (badge) at all times during the conference. Your conference identification tag will serve as your admission to all conference paper presentation sessions and social events.

Coffee/Tea Refreshment

Coffee/tea will be served in the lobby near the *Forum C* conference room at the times indicated in the programme.

Dress Code

The event dress code is smart casual for all conference sessions and social programme.

Gala Dinner

29 October 2026, Thursday (20:00-23:00). The Gala Dinner will take place in the Sala SCALA - before the 'Nomad', the most spectacular show in Europe. An impressive staging and an exclusive tasting menu come together to create a unique experience for our conference participants. The transfer to Sala SCALA and back to the event hotel will be also organized (departure time from the meeting point: 19:00). The detailed information with the GPS coordinates and instructions how to find the transfer meeting point are at the end of this Conference Programme (page 11).

Post-Conference Publications

Selected and extended papers from the conference will be published in: *Blockchain and Cryptocurrency* open access journal (ISSN: 2938-2602), published by IFSA Publishing; and in the open access Book Series:

- '*Advances in Blockchain and Cryptocurrency*', Vol. 2
- '*Advances in Big Data*', Vol. 1

Both volumes will be published in 2027 by IFSA Publishing.

About Publisher

IFSA Publishing, (Barcelona, Spain), is a publisher of scientific and technical books and journal reaching around the globe to collect essential reference material and the latest advances and make them available to researchers, academics, professionals, and students in an accessible format.

Conferences' Web Sites:

- B2C' 2026: <https://www.b2c-conference.com>
- BDAA' 2026: <https://www.bdaa-conference.com>

Local Time

WET — Western European Time, UTC/GMT +0 hours.

Organizing Committee

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Zhang Yunpeng, *University of Houston, USA*

Zhou Wei-Xing, *East China University of Science and Technology, China*

Keynote Speakers



Prof. Dr. Serey Y. Yurish
*International Frequency Sensors Association
(IFSA), Barcelona, Spain*

Is There Life After Bitcoin? **The Next Cryptocurrency Paradigm: Proof-of-Measurement, Quantum Resilience and Next-Generation Blockchain**

Summary: Bitcoin introduced the world to decentralized cryptocurrency, but its underlying model was designed for a very different technological era. Today, blockchain systems face new challenges: energy efficiency, scalability, hardware centralization, quantum computing, and the need for broader real-world participation. This keynote presentation explores what a post-Bitcoin cryptocurrency paradigm might look like. It introduces the concept of Proof-of-Measurement (PoM) as an alternative direction for blockchain consensus, where participation is linked not to ever-growing computational power, but to authenticated physical measurement processes. The presentation will also discuss quantum resilience, mobile participation, high-throughput Layer-1 architectures, and the role of trusted hardware in future decentralized networks. Rather than presenting another Bitcoin fork or incremental protocol modification, the talk considers whether a fundamentally different approach to mining and consensus can support the next generation of blockchain systems — scalable, energy-conscious, widely accessible, and designed from the outset for emerging technological and societal requirements.

Short Biography: Dr. Sergey Y. Yurish has served as IFSA President, and is the co-founder and CEO of *Eco IFSA* company. Yurish is the Editor-in-Chief of the international peer-reviewed open access journal *Blockchain and Cryptocurrency* and the editor of several open-access multivolume Book Series, including *Advances in Blockchain and Cryptocurrency*. He received his PhD from Lviv Polytechnic National University (UA) in 1996. He has published more than 180 scientific articles and papers in international peer-reviewed journals and conference proceedings. Dr. Yurish holds nine patents and is the author or co-author of 12 books. He has delivered more than 90 invited lectures, tutorials, and keynote presentations at industrial organizations, academic institutions, and professional conferences in more than 30 countries.



Dr. Peter Fratric
*European Commission's Joint Research Centre
(JRC), Ispra, Italy*

CIPHER: Towards Sovereign Blockchain Intelligence for Europe

Abstract: In an era of heightened geopolitical uncertainty, the European Union is pursuing greater strategic autonomy in critical digital technologies. As crypto-assets and DeFi continue to reshape global markets, developing sovereign analytical capabilities is increasingly important for European financial stability, supervisory independence and monetary sovereignty. Initiated by the European Commission's Joint Research Centre, CIPHER (Crypto Intelligence Platform for a Holistic European Regulation) provides a scalable intelligence architecture designed to translate complex on-chain data into actionable policy insights. By ingesting data directly from blockchain nodes and processing it through dedicated storage, indexing and analytics layers, CIPHER provides the foundation for near-real-time monitoring of crypto-asset markets, transfers and protocol activity. Current development focuses on advancing in-house methodologies for entity resolution and attribution, extending transfer-level monitoring capabilities, and addressing technical challenges related to blockchain interoperability and cross-chain analysis. In parallel, CIPHER is laying the groundwork for longer-term risk-assessment and stress-testing capabilities, while exploring greater data interoperability across EU institutions and strengthening collaboration with academia. The presentation provides an update on these developments and demonstrates how CIPHER is evolving into a sovereign European capability for crypto-market intelligence and evidence-based regulatory decision-making.

Short Biography: Dr. Fratric is a researcher at the European Commission's Joint Research Centre, working on the application of computational and data-driven methods to complex policy and regulatory challenges. His interdisciplinary expertise spans applied mathematics, artificial intelligence, blockchain technology and financial regulation, with a particular focus on digital finance and emerging technologies. He holds a PhD from the University of Amsterdam, where he worked on simulation-driven approaches to non-compliance and the application of AI to legal and regulatory problems. He previously conducted research at HEC Paris, focusing on payment systems and legal vulnerability identification, alongside teaching in executive education programmes where he worked with business professionals on the practical application of AI to business projects. His work brings together quantitative methods, AI technologies to address questions at the intersection of technology, markets, and regulation.

Sponsors and Media Partners



5 Top Reasons to Invest in New and Innovative 'eco' Cryptocurrency



Eco IFSA

- It is the first true-eco, innovative cryptocurrency
- Unique, novel algorithm
- Neither Bitcoin no Ethereum, Chia or Monero clone
- Efficient, innovative and ecological way of mining based on accurate measurements instead of power consumed processing (guessing)
- Cheap, low power and reliable equipment for mining

B2C' & BDAA' 2026 Programme at Glance

Date Time (GMT+0)	28.10.2026 Wednesday	29.10.2026 Thursday	30.10.2026 Friday
Conference Room <i>Forum C (22nd floor)</i>			
9:45-10:00	Registration	Registration	<i>Excursions on you own</i>
10:00-10:15	* Opening Session (Sergey Y. Yurish, Chairman)	* Daily Notifications	
10:15-11:00	Keynote Speaker I Dr. Sergey Y. Yurish (Eco IFSA, Spain)	Keynote Speaker II Dr. Peter Fratric (EC JRC, Italy)	
11:00-11:30	<i>Coffee Break</i>	<i>Coffee Break</i>	
11:30-13:30	Regular Session Cryptocurrency and Digital Money: from Tokenization to Security	Regular Session: Blockchain Technologies, Applications & Security	
13:30-14:30	<i>Lunch on your own</i>	<i>Lunch on your own</i>	
14:30-16:30	Virtual Session in Zoom: Blockchain Technologies and Applications	Virtual Session in Zoom: Big Data Analytics and Applications	
16:30-17:00	-	* Closing Session (Sergey Y. Yurish Chairman)	
17:00-19:00	-	-	
19:00-19:30	Bus Transfer to Sala SCALA	-	
20:00-23:15	-	Gala Dinner	

* - the must attend sessions

The time in the table and in the technical programme below is the local Western European Time time in Gran Canaria: GMT +0.

Technical Conference Programme

Day 1

28 October 2026, Wednesday

Regular Session: Cryptocurrency and Digital Money: from Tokenization to Security

Chairman: Prof., Dr. Davide Patti

Department of Electrical, Electronic and Computer Engineering,
University of Catania, Italy

- 1. Transactional vs Deposit-like Digital Money: Stablecoins, e-CNY and International Monetary Competition**
Maria Culjak, Saša Žiković, Bojan Tomić and Hoda Mansour
(Germany, Romania, Croatia, Saudi Arabia)
- 2. A Comparative Analysis of the Capacity of Real Estate Tokenization to Enhance Liquidity, Reduce Risk, and Promote Smart Investment with an Emphasis on International Experiences (Case Study: Kish Free Zone)**
Mohsen Noroozinejad Farsangi, Azam Tariyan, Jaber Mahmoudi and Seyed Moein Hashemi
(Iran)
- 3. Embedded Wallets Between Familiar Authentication and Shared Custody: A Comparative Security and Usability Study**
Dalibor Detko, Juraj Gergel, Martin Perešíni and Ivan Homoliak
(Czech Republic)
- 4. Wallet Security Is Compositional: A Failure-Domain-Aware Evaluation of Cryptocurrency Custody Configurations**
Tomáš Fišer, Martin Perešíni and Ivan Homoliak
(Czech Republic)

Virtual Session in Zoom: Blockchain Technologies and Applications

Chairman: Dr. Sergey Y. Yurish

IFSA President, Eco IFSA co-founder and CEO, Spain

1. Pre-Mempool Blockchain Transaction Compliance: Regulatory Convergence Toward a Pre-Broadcast Screening Mandate

Praveen Giri

(Germany)

2. Privacy-Preserving Blockchain E-Voting System Based on Zero-Knowledge Proofs and Separated Identity Verification

Hung-Ming Sung, Tzu-Hsuan Wu, Kai-Chi Tsao, Tzu-Chin Chiu, Qin-Yun Chen, Jin-Yao Lin and Yi-Ping Hung

(Taiwan)

3. Return and Volatility Spillovers Across Blockchain Layers

Christine Jeanneaux

(France)

4. Cybersecurity Awareness for Web3 - Addressing Human-Centric Attack Surfaces in Blockchain Ecosystems

Nilton Paulo Raimundo Mendes and Jorge Almeida Jr.

(Brazil)

Day 2
29 October 2026, Thursday

Regular Session:
Blockchain and Cryptocurrency

Chairman: Dr. Peter Fratric

European Commission's Joint Research Centre (JRC), Ispra, Italy

- 1. Hidden Edge-State Inference in Bitcoin Lightning Network Topologies**
Davide Patti, Maurizio Palesi, Enrico Russo
and Salvatore Monteleone
(Italy)
- 2. Centralized Ledgers versus Decentralized Permissionless Blockchains: A Game-Theoretic Comparison**
Kjell Hausken and Guizhou Wang
(Norway)
- 3. A Framework based on ETL and Blockchain for Advanced Cyber Threat Intelligence Sharing**
Antonino Fotia, Andrea Salemi, Aurelio Loris Canino
and Gianluca Lax
(Italy)
- 4. Formal Analysis of Groth16 and Multi-Framework Empirical Benchmarking of zk-SNARK Constraint Pipelines**
Michal Vaňo, Martin Perešíni and Ivan Homoliak
(Czech Republic)

Virtual Session in Zoom: Big Data Analytics and Applications

Chairman: Dr. Sergey Y. Yurish

IFSA President, Eco IFSA co-founder and CEO, Spain

1. Comparison of Open-Weight Text-to-Image Model Deployment Configurations for Large-Scale Local Image Generation

Yeong Su Lee, Hendrik Bothe and Michaela Geierhos
(Germany)

2. Big Data in the Process of Graphene Commercialization in Medical Applications

Aleksander Żołnierski, Jacek Gulczyński and Dariusz Jaruga
(Poland)

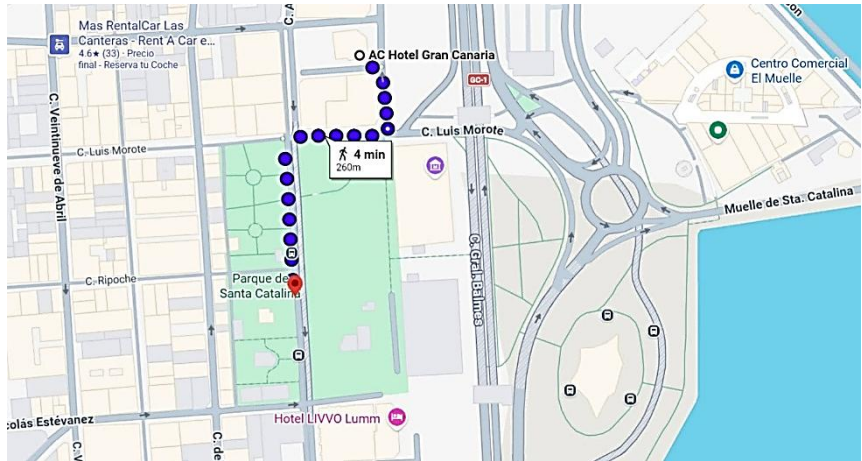
3. A Multi-Tier Framework for Adversarial-Resilient Detection of Unwanted Business Communication at Scale

Kamya Batra
(USA)

**4. Forecast-Bounded Multidimensional Rate Limiting:
A Self-Hosted Control for the Detection Gap in Commercial Bot Management**

Spandan Brahmabhatt and Vikas Gangadhara
(USA)

Meeting Point Location for Bus Transfer to Gala Dinner



GPP: 28°08'25.2"N 15°25'50.8"W; 28.140333, -15.430778

AC Hotel Gran Canaria: C. Eduardo Benot, 3-5, 35007
Las Palmas de Gran Canaria

-  Head towards C. Eduardo Benot, 14 m
-  Turn right onto C. Eduardo Benot, 51 m
-  Turn right onto C. Luis Morote, 77 m
-  Turn left, 120 m

Santa Catalina Park, Bus Stop
35007 Las Palmas de Gran Canaria,
Las Palmas

The bus will departure at 19:00.



Bus Company:

alsa

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Sergey Y. Yurish, Editor

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