



**Blockchain and Cryptocurrency  
Conference (B2C' 2022)**

# **Conference Programme**

**9-11 November 2022  
Barcelona, Spain**



**Organized by:**



## Message from Chairman

On behalf of Organizing Committee I would like to welcome you to the inaugural *Blockchain and Cryptocurrency Conference (B2C '2022)*, 9-11 November 2022, Barcelona, Castelldefels, Spain.

Blockchain and cryptocurrencies are now topics of substantial impact that society needs to contemplate, exploit and adopt. According to the recent market study, the Blockchain Technologies Market value was \$ US 4.9 billion in 2021 and projected to reach \$ US 67.4 billion by 2026, at a Compound Annual Growth Rate (CAGR) of 68.4 % during the forecast period. The major driving factors contributing to the high growth rate of Blockchain Market include increasing venture capital funding and investment in blockchain technology; extensive use of blockchain solutions in banking and cybersecurity; high adoption of blockchain solutions for payment, smart contracts, and digital identities; and rising government initiatives. The main restrictions of the market growing is uncertain regulatory, compliance environment lack of skilled professionals. The main goal of the B2C' 2022 conference is to decrease significantly, and to help eliminate completely in the future, the mentioned above restraints.

The first Blockchain and Cryptocurrency Conference (B2C' 2022) aims to provide a forum for researchers, scientists, engineers, and students from both the industry and the academia to present their latest research findings, advances and innovations on blockchain technologies as well as to helps decision-makers, technologists, and developers understand the value of blockchain to their businesses regardless of industry.

It will feature keynotes, peer-reviewed technical paper presentations, companies, startups, solution vendors, research institutes, open-source projects, and academia. The event will be also the forum for exchange of the latest innovation results, regulations, policies, standards, and applications in this exciting and challenging area.

Unlike existing, narrowly focused technical conferences and commercial trade events, the B2C' 2022 will cover all technical and social aspects of blockchain and cryptocurrency. In addition, startups, working in this area will be able to present their pitch decks during the event.

The inauguration B2C' 2022 is organized and sponsored by IFSA - the non-profit professional association serving for industry and academy more than 20 years, together with their media partners *IFSA Publishing, Eco IFSA, Inveready, Coinpedia Fintech News, Coin Gape* and *CryptoCoin News*.

We trust that you will find the B2C' 2022 professionally rewarding and stimulating as well as enjoyable. Welcome B2C' 2022 !

*Prof., Dr. Sergey Y. Yurish*  
*B2C' 2022 Conference Chairman*

## **Conferences Venue**

The Conference will take place on 9-11 November 2022 in the *SB BCN Events Hotel*, Castelldefels, on the 1<sup>st</sup> floor in the conference room *Calma 1*.

## **Registration**

The Registration Desk is opened in the SB BCN Events Hotel:

- Tuesday, 8 November, from 20:00-21:30 (in the Welcome Cocktail area)
- Wednesday, 9 November, from 8:45-18:00 (near the room *Calma 1*)
- Thursday, 10 November, from 8:45-18:00 (near the room *Calma 1*)
- Friday, 11 November, from 8:45-12:00 (near the room *Calma 1*)

## **Language**

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

## **Insurance and Liability**

The conferences organizers do not accept responsibility for any individual, medical, travel or personal insurance policies as necessary.

## **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 event.

## **Welcome Cocktail**

8 November 2022, Tuesday (20:00-21:00). The Welcome Cocktail will take place in the *SB BCN Events Hotel*, Castelldefels. Do not miss this opportunity to say the first "hello" to attendees and committee members. Please do not forget to collect your badge (ID tag) at the B2C' 2022 registration desk before the Welcome Cocktail. The registration desk will be opened in the Welcome cocktail area from 20:00 to 21:00.

## **Coffee/Tea Refreshment**

Coffee/tea will be served at the times indicated in the programme near the conference room *Calma 1*.

## **Gala Dinner, Excursion & Wine Testing**

10 November 2022, Thursday (18:00-22:30). Excursion in the famous, awards winner Torres Winery with a wine degustation and Gala Dinner in restaurant El Cellaret, which situated in the heart of the Penedès wine region. A bus will departure from the *SB BCN Events Hotel* at 17:10 and return to the same hotel at 23:00 approximately.

## **Post-Conference Publications**

Selected and extended papers presented at the conference will be published in a new, open access journal *Blockchain & Cryptocurrency* by *IFSA Publishing* (Barcelona, Spain). The publication in this journal is free of charge for all B2C' 2022 conference participants.

Authors will be also invited to extend their paper or/and articles into the book chapters for the '*Advances in Blockchain & Cryptocurrency*,' Vol. 1. This open access books will be published in 2023 by *IFSA Publishing, S. L.*

All B2C' 2022 participants will have a special discount for this open access book's publication fee.

## **Organizing Committee**

### **Chairman**

**Dr. Sergey Y. Yurish**

*IFSA President, Co-founder and CEO of Eco IFSA, Barcelona, Spain*

### **Advisory Chairman**

**Prof., Dr. Vijyakumar Varadarajan**

*The University of New South Wales, Australia*

### **Conference and Publication Manager:**

**Mrs. Tetyana Zakharchenko**

*IFSA Publishing, S.L., Spain*

## **Business Committee:**

**Cañete Javier**, *SmartSY, LLC, USA*  
**Fonts Ignacio**, *Inveready, Spain*  
**Gross Francis**, *European Central Bank, Germany*  
**Jadav Divyesh**, *IBM Research, USA*  
**McCullagh Adrian**, *ODMOB Lawyers, Australia*  
**Pioli Moro Evandro**, *British Telecommunication PLC (BT), UK*  
**Saraswat Vishal**, *Bosch Global Software Technologies, India*  
**Sghaier Omar Ahmad**, *Blockchain Foundry, Inc., Canada*  
**User Erol**, *User Corporation and Blockchainarmy, Turkey*

## **Steering Committee:**

**Bautista Gomez Leonardo**, *Barcelona Supercomputing Center, Spain*  
**De Salve Andrea**, *National Research Council (CNR), Italy*  
**Ducrée Jens**, *Dublin City University, Ireland*  
**Dursun Taner**, *TÜBİTAK BILGEM Blockchain Research Lab, Turkey*  
**Harfoush Khaled**, *North Carolina State University, USA*  
**Hjálmtýsson Gísli**, *Reykjavík University, Iceland*  
**Izadi Javad**, *University of West London, UK*  
**Jürjens Jan**, *Fraunhofer ISST & University of Koblenz, Germany*  
**Latypov Rustam**, *Kazan Federal University, Russia*  
**Lechner Ulrike**, *Universität der Bundeswehr München, Germany*  
**Manabe Yoshifumi**, *Kogakuin University, Japan*  
**Manevich Yacov**, *IBM Research, Israel*  
**McGroarty Frank**, *Centre for Digital Finance, Univ. of Southampton, UK*  
**Mesnager Sihem**, *University of Paris VIII, LAGA, Telecom Paris, France*  
**Min Youn A.**, *Hanyang Cyber University, South Korea*  
**Mohanty Saraju**, *University of North Texas, USA*  
**Nawari O.**, *University of Florida, USA*  
**Ouf Shima**, *Helwan University, Egypt*  
**Palos-Sanchez Pedro R.**, *University of Sevilla, Spain*  
**Powell Warwick**, *Queensland University of Technology, Australia*  
**Prinz Wolfgang**, *Fraunhofer FIT / RWTH Aachen, Germany*  
**Puschmann Thomas**, *University of Zurich, Switzerland*  
**Ramezan Gholamreza**, *Blocklychain Labs, Vancouver, Canada*  
**Saura Jose Ramon**, *Rey Juan Carlos University, Spain*  
**Shi Jing**, *University of Cincinnati, USA*  
**Takaoglu Mustafa**, *Istanbul Aydın Univ., Blockchain Research Cent., Turkey*  
**Wang Gang**, *University of Connecticut, USA*  
**Wolfe Simon**, *Southampton Business School, Univ. of Southampton, UK*  
**Zhang Yunpeng**, *University of Houston, USA*  
**Zhou Wei-Xing**, *East China University of Science and Technology, China*

## Local Time

The local time in Barcelona is: GMT+2, Madrid.

## Conference web site:

<https://www.b2c-conference.com>

## Sponsors and Media Partners:



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CryptoCoin.News

## Keynote Speaker I



**Prof., Dr. Martin Maier**

*Institut National de la Recherche Scientifique,  
Montréal (Canada)*

### **The Art of 6G: How to Rewire Society for the Emerging Web 3 Token Economy**

#### **Abstract**

To rethink society, AI Gore advocates in “The Future: Six Drivers of Global Change” to exploit digital tools for growing access to what he calls the Global Mind. We shape our tools and then our tools shape us – we become what we behold, as famously stated by Marshall McLuhan, the eminent media theorist credited with predicting the rise of the Internet. In this keynote, we focus on the wireless evolution of connected things to collective intelligence (CI), which plays a central role in the 6G vision of rendering future mobile networks more human-centered than 5G.

Towards this end, we adopt the unifying concept of stigmergy, a common mechanism used to produce cognition in the human brain as well as natural societies (e.g., social insects), to advance CI in future self-organizing techno-social systems known as cyber-physical-social systems (CPSS). Specifically, we propose a techno-social environment using advanced blockchain technologies for CPSS members, which extends human capabilities and enables activities toward human co-becoming by facilitating indirect communication via tokenized digital twins that steer the collective behavior toward higher levels of CI in a stigmergy enhanced Society 5.0 and emerging Web3 token economy, including the transition from today’s robonomics to tomorrow’s tokenomics.

#### **Short Biography**

Martin Maier is a full professor with the Institut National de la Recherche Scientifique, Montréal, Canada. He was educated at the Technical University of Berlin, Germany, and received M.Sc. and Ph.D. degrees (both with distinctions) in 1998 and 2003, respectively. He was a Marie Curie IIF Fellow of the European Commission from March 2014 through February 2015. In 2017, he received the

Friedrich Wilhelm Bessel Research Award from the Alexander von Humboldt Foundation in recognition of his accomplishments in research on FiWi enhanced mobile networks. He was named one of the three most promising scientists in the category "Contribution to a better society" of the Marie Skłodowska-Curie Actions 2017 Prize Award of the European Commission. In winter 2019/20, he held a UC3M-Banco de Santander Excellence Chair at Universidad Carlos III de Madrid, Spain. He is co-author of the book "Toward 6G: A New Era of Convergence" (Wiley-IEEE Press, January 2021).



## Keynote Speaker II



**Dr. Stephen Castell**  
*CASTELL Consulting (UK)*

### **Private Datapods and the Future Web 3.0 Do Not Automatically Mean Blockchain**

#### **Abstract:**

ICT and blockchain professionals should take care not to equate blockchain automatically with Web 3.0 (or vice versa). That is an incorrect equivalence. Blockchain is certainly one possible – often transactionally slow – architecture on which to base a Web 3.0 implementation. However, Sir Tim Berners-Lee's decentralized Web 3.0 concept is essentially unrelated to blockchain architecture. Rather, the Future Web 3.0 is, crucially, centred on the important idea of Private Datapods, stemming from fundamental concerns over personal data protection, addressing that users are disturbed by the accumulation of their data by such dominant digital economy giants as Facebook, Google and Amazon, and will embrace a new configuration that puts them in control. The Speaker's own Zykme/ ZykPass invention is a readily available working App compliant with this Web 3.0 Private Datapod fundamental design principle. It has an architecture and future development path intended to include inter alia potential addition of a blockchain based Zyktoken awarded to, and owned and tradeable by each Zykme / ZykPass user, implementing the author's novel CapChere (Customer Corporation) IP and business ownership structure. This is intended to create a socially useful fundamental and transformative re-purposing of traditional capitalism in which all are winners.

#### **Short Biography**

Dr. Stephen Castell CITP is an internationally acknowledged ICT consultant and expert. As an Expert Witness in computer software, systems, and technology disputes he has acted in a wide range of such actions, including the largest in the English High Court, and currently increasingly in blockchain and cryptocurrency matters. Widely published, he has been a Correspondent of the CLSR. With also a reputation in building multimillion pound businesses in communications,

broadcasting, information, and software services, he was a pioneer of the OTC Share Market in the UK, assessing the financing of several hundred high-tech computer, software and telecommunications companies. He was founder Technical Director of the Luxembourg venture capital funded International Communications Technology Holdings SA, listed in London, and Chairman of its UK subsidiary Telephone Broadcasting Systems plc. Recently honored with an interview for Archives of IT: ... the people who influenced the development of IT in the UK.

## Keynote Speaker III



### **Dr. Erol User**

*President & CEO at User Corporation /  
Founder and President at Blockchainarmy  
(Turkey)*

## **Blockchain will Change the World**

### **Abstract**

Blockchain technology has the potential to transform every industry for the better, placing the user at the center of the ecosystem and increasing the security, privacy, and interoperability of data. This technology could provide a new model for information exchanges by improving the efficiency and security of records. This relatively new and rapidly evolving blockchain technology is being regarded as a panacea for every industry and is inspiring experimentation to find more use-cases daily. The millennials and generation z have found a new way to record information in a manner that is difficult to encode, maintaining their top priority, privacy. A digital ledger of transactions that can be duplicated and dispersed across the entire network of computer systems, is a brief understanding of the concept of blockchain.

### **Short Biography**

Multi-Award-winning entrepreneur, veteran businessman, philanthropist, business/financial coach and educator, Erol User is one of Turkish's pioneering game changers in the business world. Born in Istanbul, in 1960, User brings over 30 years' experience in a wide range of industries and sectors. As a distinguished entrepreneur, and Blockchain Analyst, he brings a proven track record and demonstrated excellence to transform digital services in the fields of Investment Banking, Energy, Blockchain, Cryptocurrency, Mergers, Acquisitions, Privatizations and IT.

Mr. User is currently the President and CEO of User Corporation, - a world-leading investment banking company, offering advisory services both to Turkish and International companies. He is a graduate of Economic Sciences with double majors in Business Administration and Finance from Istanbul University. As someone who loves to broaden his knowledge of study, Mr. User holds an MBA

degree from Harvard Business School, a postgraduate degree in International Leadership from Sophia University, Japan, an MSc degree in Renewable Energy from Vienna Technical University. He has also obtained a postgraduate degree in Blockchain Strategy from Oxford Said Business School and in Cryptocurrency and Disruption from the London School of Economics (LSE), in Blockchain Technologies from MIT Sloan School.

He is a visionary leader, with strong entrepreneur background adept with the knowledge of organizational development, through visioning, strategic planning, evaluation, monitoring, and trusted advisory support. Mr. User is also the Founder, President and Board Member of many organizations or associations to include: JCI Turkey, Worldwatch Institute Europe, TUGIAD, DEIK, TESEV, TEMA, Conference Board, Club of Rome, Club of Budapest, European Business Roundtable, R. Kennedy Human Rights Foundation Leadership Global Compact, Abraham's Path, Mahatma Gandhi Arise India, The Aladdin Project and Kids parliament. He is The Chairman of the Supervisory Board of the Blockchainacademy Istanbul Aydin University. As someone who loves giving back to his community, User is passionate about supporting many philanthropic initiatives. Seeking to impact his passion to many, he has written many books on Economy, Energy, Internet of Things, Metaverse, Crypto Money and Blockchain.

## Keynote Speaker IV



**Prof., Dr. Lin William Cong**  
*Rudd Family Professor of Management &  
Associate Professor of Finance at the Johnson  
Graduate School of Management at Cornell  
University (USA)*

### **Dynamic Incentives and Financial Inclusion in Web3**

#### **Abstract**

Web3 and DeFi are widely advocated as innovations for greater financial inclusion and democratization. We conduct an initial investigation using data from the Ethereum network. We provide detailed analyses of the ecosystem and its main participants in terms of transaction volume, network structure, and mining and ownership distributions. While mining concentration is moderate, Ether ownership is concentrated in exchanges and a small set of individuals. Concerning usage and transactions, we observe a shift from peer-to-peer interactions to user interactions with DApps, and much more transactions by large players in the system. Moreover, we document high transaction-fee ratios for small players, significant fluctuation of gas prices due to congestion, high transaction failure rates using DeFi, and high return volatility for tokens on the Ethereum platform. While users can reserve extra Ether under the gas limit policy to reduce transaction failures and gas-related parameters can be adjusted, these issues present particular challenges for small and new agents in the network under both the original protocol and EIP-1559. Through burning base fees, EIP-1559 partially mitigates these issues through redistribution. Time permitting, I will also discuss adding dynamic incentives to blockchain design.

#### **Short Biography:**

Lin William Cong is the Rudd Family Professor of Management and Associate Professor of Finance at the Johnson Graduate School of Management at Cornell University, where he is the founding faculty director for the FinTech Initiative. He is also a Kauffman Foundation Junior Faculty Fellow, Poets & Quants World Best Business School Professor, and editorial board member for top business and

finance journals such as the Management Science. Prior to joining Cornell, he was an assistant professor of Finance at the University of Chicago Booth School of Business where he created courses on “Quantamental Investment,” faculty member at the Center for East Asian Studies, doctoral fellow at the Stanford Institute for Innovation in Developing Economies, and George Shultz Scholar at the Stanford Institute for Economic Policy Research. He advised companies such as String Lab/Dfinity, DataYes, and is currently advising ChainLink, Blackrock, among other industry leaders in FinTech and asset management.

Professor Cong’s research spans financial economics, information economics, FinTech and AI, and Entrepreneurship (theory and intersection with digitization and development). Widely recognized as a founding scholar for FinTech research, Professor Cong has received numerous accolades such as the AAM-CAMRI-CFA Institute Prize in Asset Management, the CME Best paper Award, Finance Theory Group Best Paper Award, and has also been invited to speak or teach at hundreds of world-renowned universities, venture funds, investment and trading shops, and government agencies such as IMF, Asset Management Association of China, Alibaba, SEC, and federal reserve banks. He received his Ph.D. in Finance and MS in Statistics from Stanford University, and A.M. in Physics jointly with A.B. in Math and Physics from Harvard University.

## Keynote Speaker V



**Ms. Viktoria Soltesz**  
*Founder, PSP Angels (Cyprus)*

### **FIAT for Crypto - Tips on How to Get Trusted Banking for Your Blockchain Projects**

#### **Abstract**

The presentation will show how the banks think, and how the classic FIAT compliance works. The real life tips of how to get accepted by the biggest banks, and process payments with the lowest possible risk and fees will be given. It will be explained how to create a payment flow - where the money comes from, how much, how often, what currency, how to hedge or how to find the rich payment provider for your project. The presentation will be also focused to how to plan ahead and minimize the risk of getting account frozen or closed, and how to optimise the payment flow.

#### **Short Biography:**

Ms. Viktoria Soltesz is a founder of the payment consulting firm, PSP Angels, which helps online businesses optimising their payment flows and costs by finding the best payment and banking solutions. She is also the Partner of Oxygia, a boutique firm in Malta, which was created to improve the payments processing infrastructure for clients within the iGaming industries, specifically. Ms. Soltesz is also running the finance and tax consulting firm in Cyprus for over 15 years now. She has the extensive experience with payment issues and high risk industries. Mrs. Soltesz is given to lecture at the University of West London and she is a regular speaker at iGaming, blockchain, fintech and investment conferences. She is also a member of the Directors Chambers.

## **Invited Presentations**

### **Audit and Provenance Model for Transactions in Informal Real Estate Markets through Blockchain-based Supply Chain Management**

**O. O. Lawal, N. O. Nawari**  
University of Florida, Gainesville (USA)

#### **Abstract:**

The construction industry is one of the least advanced globally in the adoption of digital technology. When coupled with the lack of documentation prevalent in informal real estate markets, especially in developing regions, the result is a construction market where third party verification is unreliable and traceability of components is difficult. The advent of emergent technologies such as Building Information Modelling, Blockchain Technology, Artificial Intelligence, Internet of Things (IoT) - otherwise referred to as Industry 4.0 - have had significant impact on the built environment, leading to practicable real-life applications. There is a plethora of scholarly contributions in the application of blockchain in the built environment. One major aspect of the building and construction industry that has leveraged the unique attributes of blockchain is construction supply chain. This research leverages on recent advancements in blockchain-based supply chain management to develop an auditable provenance model. The concept of trust in a decentralized peer-to-peer transaction is redefined, thereby contributing to the regulation of informal property markets by providing stakeholders with the opportunity to verify the value of construction by-products.

### **Blockchain and its Application Challenges in IoT**

**Prescilla Koshy**  
3i Infotech Limited (India)



## Programme at Glance

Date Time (GMT+2)	9.11.2022 Wednesday	10.11.2022 Thursday	11.11.2022 Friday
<b>8:45-9:00</b>	Registration	Registration	Registration
<b>9:00-9:15</b>	* Opening Session (Sergey Y. Yurish, Chairman)	* Daily Notifications	* Daily Notifications
<b>9:15-10:00</b>	Keynote Speaker I Prof., Dr. Martin Maier (Canada)	Keynote Speaker III Dr. Erol User (Turkey)	Keynote Speaker V Ms. Viktoria Soltez (Cyprus)
<b>10:00-10:30</b>	Coffee Break	<i>Coffee Break</i>	<i>Coffee Break</i>
<b>10:30-12:30</b>	Regular Session: Blockchain Theories and Applications	Zoom Session: Blockchain & Cryptocurrency (I)	Special Session: Blockchain in Supply Chain Management and Taxonomy
<b>12:30-13:30</b>	<i>Lunch on your own</i>	<i>Lunch on your own</i>	<i>Lunch on your own</i>
<b>13:30-14:15</b>	Keynote Speaker II Dr. Stephen Castell (UK)	Keynote Speaker IV Prof., Dr. Lin William Cong (USA)	Invited Speaker: Nawari O. Nawari (USA)
<b>14:15-14:45</b>	<i>Coffee Break</i>	Zoom Session: Blockchain & Cryptocurrency (II)	<i>Coffee Break</i>
<b>14:45-16:45</b>	Regular Session: Cryptocurrency & Digital Currency		Pitch Decks Startups' Session
<b>16:45-17:15</b>	Invited Speaker: Priscilla Koshy (India)	-	* Closing Session (Sergey Y. Yurish, Chairman)
<b>17:15-18:00</b>	-	-	-
<b>18:00-22:30</b>	-	Excursion, Wine Testing & Gala Dinner <i>Torres Winery</i>	-

\* - must attend sessions

\*\* - A bus will departure from the *SB BCN Events Hotel* at 17:10 and return to the same hotel at 23:00 approximately.

The time in the table and in the technical programme below is the local time in Barcelona is: GMT+2, Madrid.

# Technical Conference Programme

*Day 1*

*9 November 2022, Wednesday*

## **Regular Session: Blockchain Theories and Applications**

Chairman: Prof. Dr. Martin Maier

*Institut National de la Recherche Scientifique, Montréal (Canada)*

- 1. A Review of What Science Tells us About the Interaction Between Open Source and Blockchain**  
*F. N. Paffrath, J. Brinkmeyer, A. Gabriel and A. Mojtahedsistani*  
*(Germany)*
- 2. A Last Mile Blockchain Based Proof of Delivery System**  
*Jake Carabott and Frankie Inguanez* (Malta)
- 3. Blockchain Assisted Near-duplicated Content Detection**  
*A. Moreaux and M. Mitrea* (France)
- 4. Blockchain Impacts on Auditing**  
*C. Moreira and F. Rodrigues* (Portugal)
- 5. Key-pair Generation using Fingerprint Based Seed in Blockchain Systems**  
*M. Fiore, F. Carrozzino, M. Mongiello and F. Nocera* (Italy)
- 6. How to Build Self-Sustaining Tokenomic**  
*O. Letychevskyi, V. Peschanenko, M. Poltoratskyi and Yu. Tarasich*  
*(Ukraine)*

## **Regular Session: Cryptocurrency & Digital Currency**

Chairman: Dr. Stephen Castell  
*CASTELL Consulting (UK)*

- 1. Combining Self-Sovereign Identity with Digital Currencies to Enable Programmable Money**  
*S. Sezer and W. Prinz (Germany)*
- 2. High-Frequency Spillover Analysis of Cryptocurrency in the Exchange Listings**  
*Husam Bukhary, Kyohei Shibano and Gento Mogi (Japan)*
- 3. Cryptocurrencies are Becoming Part of the World Global Financial Market**  
*M. Watorek, J. Kwapień and S. Drożdż (Poland)*
- 4. NaidiBFT: a Deterministic Leaderless Consensus Algorithm**  
*Rui Morais, Paul Crocker and Simão Melo de Sousa (Portugal)*
- 5. Blockchain Technology Solutions for Small and Medium-Sized Enterprises Challenges**  
*A. Amanollahnejadkalkhouran, B. Batiz-Lazo and C. Ochie (UK)*

*Day 2*  
*10 November 2022, Thursday*

**Virtual Session in Zoom:  
Blockchain & Cryptocurrency (I)**

Chairman: Dr. Sergey Y. Yurish  
*Eco-IFSA (Spain)*

- 1. Challenges of Blockchain Technology Adoption for Document Authentication in Universities: A Systematic Literature Review**  
*A. Aman, N. S. Mohd. Satar, Y. Adnan and A.H. Morshidi (Malaysia)*
- 2. Investigate the Blockchain APP for Distributed Energy Resources with Energy Blockchain Point-to-point Transaction**  
*A.J. Jin, J. Tan and C. Li (China)*
- 3. Blockchain Based Access Control for IoT**  
*A. Kul, O. Demirörs and Y. M. Erten (Turkey)*
- 4. A Taxonomy Characterizing Blockchain-Empowered Services for the Metaverse**  
*Anjali Vaghani, Tan Gurpinar and Nick Große (Germany)*
- 5. Heterogeneous Models Inference Using Hyperledger Fabric Oracles**  
*V. Drungilas, E. Vaičiukynas, L. Ablonskis and L. Čeponienė (Lithuania)*
- 6. Smart Card Based Offline Payment System for CBDC**  
*Ali Doğan, Mustafa Takaoğlu, Taner Dursun and Ercan Ölçer (Turkey)*
- 7. Computation Independent Model in MDA-based Smart Contract Development**  
*M. Jurgelaitis, L. Čeponienė, R. Butkienė and T. Valatkevičius (Lithuania)*

## Virtual Session in Zoom: Blockchain & Cryptocurrency (II)

Chairman: Dr. Sergey Y. Yurish  
*Eco-IFSA (Spain)*

- 1. A Primer on Bitcoin**  
*Nazir Ullah (China)*
- 2. Tax treatment of Cryptocurrencies**  
*Alexander Szívós (Hungary)*
- 3. Hidden Markov Model for Price Clustering Bitcoin-Ethereum Trading**  
*Fatma Hachicha (Tunisia)*
- 4. Quantifying NFT-driven Networks in Crypto Art**  
*Kishore Vasan, Milán Janosov and Albert-László Barabasi (Hungary, USA)*
- 5. Use of Blockchain for Request Management Medication by Court**  
*D. A Mário, Allan Freitas (Brazil)*
- 6. The Art NFTs and Their Marketplaces**  
*Lanqing Du, Michelle Kim and Jinwook Lee (USA)*
- 7. The Missing Piece of Blockchain Governance: Information Governance and its Transition to a Decentralized World**  
*Trinh Nguyen (Canada)*

*Day 3*  
*11 October 2022, Friday*

**Special Session:**  
**Blockchain in Supply Chain Management and Taxonomy**

Chairman: Mr. Gürpınar Tan  
*TU Dortmund University (Germany)*

- 1. A Reward-based Blockchain Platform for Exchanging Goods and Services**  
*M. Fiore, F. Nocera and M. Mongiello (Italy)*
- 2. Proposal of the Technical Implementation of 3D Printers in a Blockchain-based Exchange of Capacity**  
*N. Große, P. Stuckmann-Blumenstein, D. McInnis and Y. Qiao (Germany, USA)*
- 3. Towards a Multidimensional Blockchain Governance Taxonomy**  
*S. Brüning, D. Bons, H. Schulz, T. Gürpınar and P. Keitzl (Germany)*
- 4. Wood Traceability System Using Blockchain and Zero-knowledge Proof**  
*K. Shibano, T. Nakajima and G. Mog (Japan)*
- 5. Geospatially-Enabled Blockchain for Land Registration and Cadastral Data Management using Geographical Information System – A Theoretical Framework**  
*O. O. Lawal, N. O. Nawari and B. W. Alem (USA)*

## Pitch Decks Startups' Session:

Chairman: Ms. Viktoria Soltez  
*Founder, PSP Angels (Cyprus)*

- 1. The Platform for Tokenomics Models' Research and Smart Contracts' Verification (on the Base of the Algebraic Approach)**  
Oleksandr Letychevskyi  
*Garuda.AI (Ukraine)*
  - 2. Cartager: Only Trusted Vehicles. Find Your Personalized Match**  
Damian Zięba  
*Cartager (Poland)*
  - 3. WheelCoin: A Web3 Lifestyle App for Green Mobility**  
Boyd Cohen  
*IOMB (Spain)*
  - 4. True-eco Cryptocurrency and Smart Blockchain for the Truthful World**  
Sergey Y. Yurish  
*Eco-IFSA (Spain)*
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