

NUCLEI NEWSLETTER

Report on Past Events

The 3rd Open Seminar 'Blockchain in Industry'

The 3rd Open Seminar have been organised by the NUCLEI partner [Business Upper Austria](#) on the 26th of November 2018. Within the event around 80 participants discussed the use of Blockchain-technology in industry in terms of trust, interoperability and standards. Moreover, the seminar linked Blockchain-technology with possible application areas such as IoT, robots, machines, big data, and information storage. During the event experts like [Peter Eales](#) (Chairman of [KOIOS Master Data](#)) from the UK have given insights into the status quo of Blockchain-technology.

Interview with Peter Eales

In what realistic time frame do you see blockchain technology having an equal market share to classic contracting?



Forecasting the take-off of technology is very difficult, it is often unexpected events that accelerate uptake. With more interest in e-government and with current data security fears, I expect that many countries will have public schemes such as a single source for your name and address data within five years. I also expect public/private commercial transactions such as smart contracts to be common within the same timescale. For an equal share to be reached, it depends on the public view of data security, and if they see blockchain as the answer to safe data. If they do, then probably within ten years. If the public do not trust blockchain with their data, then it will never have an equal market share.

Open and closed blockchain. Who do you see as a future supplier?

I see permissioned, private, shared systems as the route forward in the B2B world using trusted part-

ners. I see permissioned, public, shared systems as the answer to challenges such as sharing data when moving house.

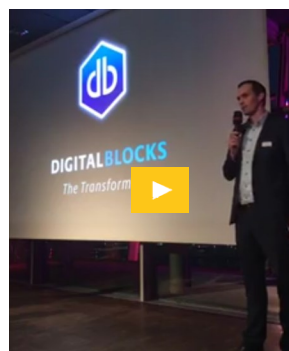
Whether the big tech companies dominate this market remains to be seen. There is a healthy scepticism when it comes to the dominance of big tech. The idea of blockchain is to lower the barrier to entry to new competitors, so you will see these emerge in the B2B sector, but the big tech will probably dominate the public sector schemes.

What contribution's does blockchain technology make to increase the value chain?

The biggest contribution should be a reduction in transaction costs, and the cost of exchanging data. Too much money is wasted because of a lack of interoperability between systems. Potentially, blockchain could be part of the answer to this problem as open data quality and exchange standards will need to be more widely adopted. You cannot have poor quality data in a block that cannot be altered.

What is the weakest link/aspect in Blockchain?

Lack of public trust, mainly through lack of understanding and the negative perception of cryptocurrencies.



Watch also the presentation 'Blockchain after the hype' from Mr. Martin Gruber ([DigitalBlocks - AUT](#)) which were held during the 3rd Open Seminar.





© NUCLEI: Open Seminar Big data and digitalisation in the era of Industry 4.0

Open Seminar Big data and digitalisation in the era of Industry 4.0

The Open Seminar 'Big data and digitalisation in the era of Industry 4.0' was well organised by the NUCLEI partner [Wroclaw University of Science and Technology](#) in Wroclaw on the 22nd of November 2018. The seminar with around 25 participants was a successful transnational exchange platform which focused on topics like 'Virtual Prototyping Tools and Digital Twins for Industry 4.0' presented by Mr. Berselli ([University of Genova](#)), 'Process 4.0' presented by Mr. Kozak ([Frauenhofer IWS](#)), and 'Data Science for Industry 4.0' presented by Mr. Kazienko ([ENGINE](#)) as well as 'Agile education in the era of digitalisation' presented by the NUCLEI partner Mrs. Diez Robles ([ITQ](#)).

NUCLEI video-interviews with testimonials

The NUCLEI partners have performed testimonial video-interviews with supply chain & S3 managers, company CEOs, and institutions which are related to innovation in the area of advanced manufacturing, Industry 4.0, and digitalisation in order to extract key lessons and insights about NUCLEI as well as to shift and transfer rapidly the main outcomes of the Open Seminars, Working Tables, and events to the community. The latest interviews which have been performed with Mr. Volker Boelsch ([DIZ](#)), Mr. Jürgen Jähnert ([bwcon](#)), and Mr. Marco Lemessi ([John Deere](#)) during the FMB Süd Augsburg and ICE IEEE Conference have given answers to questions like, why it is important for Small and Medium-Size companies (SMEs) to digitise their production processes or how to cope with the digitalisation in companies. Moreover, experts like Prof Luigi Golzio ([University of Modena and Reggio Emilia](#)) and Prof Stephan Kaiser ([Universität der Bundeswehr München](#)) gave insights to the importance of international exchange for innovation and about the future of digitalisation and innovation management within Central Europe.

Watch now the latest NUCLEI videos on [YouTube!](#)



© NUCLEI: FMB Süd Augsburg and ICE IEEE 2018 - Interviews with Volker Boelsch, Jürgen Jähnert, and Marco Lemessi



© NUCLEI: Interview Luigi Golzio



© NUCLEI: Interview Stephan Kaiser

