EUROPEAN BIG DATA VALUE FORUM
14-16 OCT, 2019 - HELSINKI

ARTIFICIAL INTELLIGENCE AND BIG DATA TRANSFORMING BUSINESS AND SOCIETY
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1. About the event

The European Big Data Value Forum (EBDVF) is the flagship event of the European Big Data and Data-Driven AI Research and Innovation community. EBDVF 2019 is jointly organized by the Big Data Value Association (BDVA), the European Commission and VTT, and is an Associated event to the Finnish Presidency of the Council to the EU.

The theme of this year’s conference is “Artificial Intelligence and Big Data Transforming Business and Society” (Opportunities, Risks, Governance, Partnerships and Investments).

Highly distinguished speakers from industry, research and policymakers will give their views on the transformative power of AI and Big Data. Altogether, there are 90+ speakers in 23 sessions from leading companies, leading research bodies and exciting startups. The sessions span technology topics such as Trustworthy Artificial Intelligence, European AI R&D Strategy, AI, Data and Robotics PPP, European Data Sharing Space and Personal Data Space, High-Performance Computing, Security, Trust, and Privacy-Preserving Technologies. Sectors addressed include Telecommunication, Transport, Smart Manufacturing, Bio-economy, Health, Smart Cities, Energy, Earth Observation and Finance.

The European Big Data Value Forum 2019 aims to continue the success of previous editions, where on average every year around 600 industry professionals, business developers, researchers, and policymakers coming from 40 different countries attended the event.

The Big Data Value Association (BDVA) is an industry-driven international not-for-profit organisation with 200 members all over Europe. BDVA is the private counterpart to the European Commission to implement the Big Data Value cPPP program and is also a private member of the EuroHPC JU and one of the main promoters of the AI, Data and Robotics PPP. The mission of the BDVA is to develop the Innovation Ecosystem that will enable the data-driven digital transformation in Europe delivering maximum economic and societal benefit, and, achieving and sustaining Europe’s leadership on Big Data Value creation and Artificial Intelligence.
DAY ONE - MONDAY 14TH

11:00   Registration opens | Plenary Room
12:00   Lunch
13:00   Opening | Plenary Room
13:30   Keynote Session | Plenary Room
14:30   Panel - Does Europe Have a Future in AI? | Plenary Room
15:15   Coffee Break
15:45   Panel - Towards a European AI, Data and Robotics Partnership | Plenary Room
16:45   Parallel Sessions
   • Trustworthy AI - Towards Actionable AI Ethics and “Better“ AI Regulation | Plenary Room
   • Data-driven Bioeconomy with Big Data and AI | Fennia 1 Room
   • Big Data Driven Smart Connected Factories | Fennia 2 Room
   • The Transforming Power of Big Data and Artificial Intelligence in Everyday Mobility and Logistics | Nordia Room
   • Telecom as the Transformative Enabler for Innovation and Value Creation | Nautica Room
18:30   End of day 1

DAY TWO - TUESDAY 15TH

9:00    Keynote Session | Plenary Room
10:30   Coffee Break
11:00   Parallel Sessions
   • Towards a European Data Sharing Space: enabling Data Exchange to unleash full AI potential | Plenary Room
   • AI in Public Sector and Smart Cities | Fennia 1 Room
   • Big Data - HPC | Fennia 2 Room
DAY THREE - WEDNESDAY 16th

9:00 Keynote Session | Plenary Room
10:30 Coffee Break
11:00 Parallel Sessions
  • Security, Trust and Privacy-preserving Technologies | Plenary Room
  • Emerging Technologies - Game-changers of Future | Fennia 1 Room
  • Scaling Horizontal Partnerships for AI | Fennia 2 Room
  • Smart Manufacturing | Nordia Room
  • Big Data Technologies - Key to Energy System Transformation | Nautica Room
12:30 Closing Session | Plenary Room
13:00 Lunch - End of public event
13:45 BDVA General Assembly - BDVA members only
16:30 End of EBDVF 2019
Featured Speakers

Roberto Viola
Director General
DG Connect, European Commission

Ilona Lundström
Director General
Ministry of Economic Affairs and Employment

Carl-Christian Buhr
Deputy Head of Cabinet of Commissioner M. Gabriel, Digital Economy & Society, European Commission
Download our app!
Get “Eventos Mobile” and log-in with pin-code 2551
5.1 Diamond Sponsors
Effectively combining in a consortium Large Enterprises, SMEs and Academia the Big Data Value eCosystem Project (BDVe) provides coordination and support for the current and future H2020 projects within the Big Data Value Public-Private Partnership.

BDVe directly interfaces with numerous stakeholders, both from inside and outside the PPP to foster a true vibrant community around Big Data in Europe and facilitating the common bodies to discover and exploit synergies at project management level, to jointly contribute to generate a complete Big Data Value Reference Model at technical level, and multiply impact into the different targets at communication level.

To articulate these, BDVe is producing several outcomes in a rich Ecosystem to foster job creation, citizens’ acceptance and prosperity;

Europe is its people demanding solutions and providing talent to the industry. On this ecosystem you will find a network of centres of excellence, easy access to information about educational and mobility programmes, and schemes for the recognition and assessment of skills ensure the long-term sustainability of the investment in Big Data technologies and solutions.

Finally, BDVe is putting its marketing capabilities at the service of the whole Community to produce the European Big Data Value Forum, the Big Data flagship event of this and the coming years.

big-data-value.eu
EGI is a federation of computing and storage resource providers united by a mission to support research, innovation and development. The federation brings together 21 cloud providers and hundreds of data centres, from Europe and worldwide and is coordinated by the EGI Foundation, with headquarters in Amsterdam.

Over the last 15 years, EGI has been supporting science and innovation at all scales, from individual researchers and SMEs to research infrastructures and large collaborations, by offering computing resources throughout Europe and worldwide.

At the moment, the EGI Foundation is coordinating the EOSC-hub project, which brings together multiple service providers with a mission to create a single contact point for European researchers and innovators to access and use a broad spectrum of resources for advanced data-driven research.

This is part of the vision of the European Commission for the European Open Science Cloud (EOSC): a large infrastructure to support and develop open science and innovation in Europe and worldwide, set to become reality by 2020.

In this context, the EGI Foundation is also leading the EOSC Digital Innovation Hub, a mechanism for private companies to collaborate with public sector institutions in order to access to technical services, research data, and human capital. So far, the EOSC DIH has eight business pilots running and expecting more to join.

egi.eu
Siemens AG (Berlin and Munich) is a global technology powerhouse that has stood for engineering excellence, innovation, quality, reliability and internationality for more than 170 years.

The company is active around the globe, focusing on the areas of power generation and distribution, intelligent infrastructure for buildings and distributed energy systems, and automation and digitalization in the process and manufacturing industries. Through the separately managed company Siemens Mobility, a leading supplier of smart mobility solutions for rail and road transport, Siemens is shaping the world market for passenger and freight services.

Due to its majority stakes in the publicly listed companies Siemens Healthineers AG and Siemens Gamesa Renewable Energy, Siemens is also a world-leading supplier of medical technology and digital healthcare services as well as environmentally friendly solutions for onshore and offshore wind power generation.

In fiscal 2018, which ended on September 30, 2018, Siemens generated revenue of €83.0 billion and net income of €6.1 billion. At the end of September 2018, the company had around 379,000 employees worldwide.

siemens.com
5.2 Platinum Sponsors
Extreme scale AI computing at CSC – IT Centre for Science is a Finnish centre of expertise in information technology owned by the Finnish state and higher education institutions. We are known for our supercomputers, but also provide comprehensive scientific computing, data management, analysis and research administration solutions as well as training and expert support. Current focus areas of our services include big data and artificial intelligence covering the whole spectrum from facilitating the adoption of data driven solutions all the way to enabling distributed machine learning at massive scale. CSC’s customers are higher education institutions, research institutes, culture, public administration and enterprises. We are here to help our customers to thrive and benefit society at large. CSC promotes open data and open source in its operations.

One of the pan-European pre-exascale supercomputers, LUMI, will be located in CSC’s datacentre in Kajaani, Finland. The LUMI consortium provides a high-quality, cost-efficient and environmentally sustainable ecosystem for high-performance computing. At the core of the consortium’s expertise is a solid tradition of collaboration in training and education, software development, user support and data management services.

csc.fi

Data Market Services has started in January 2019 and will support the most promising data-centric companies in the EU Member States, developed through Horizon2020 Research and Innovation Programme. The main goal of the project is to transform the European startup ecosystem and help it overcome the barriers of data-centric SMEs and startups in data skills and entrepreneurial opportunities. The services will be provided to 150 data-based companies that will be selected in 3 different cohorts from 2019 to 2021. The idea emerges as an initiative aimed at changing the data market context in Europe, nurture the entrepreneurship and launch the emerging companies onto the international markets. The project is led by ZABALA Innovation Consulting (international company headquartered in Spain and Brussels), with the collaboration of the following partners: Accelerators and Incubators: Bright Pixel (Portugal), Spherik (Romania), Spinlab (Germany), The Next Web (the Netherlands); Communication agency expert in the field: Ogilvy (Spain); University of Southampton (UK): Southampton Data Science Academy and European Data Science Academy (EDSA); and Intellectual property and Standardisation: IPTECTOR (Denmark), W3C (through ERCIM in France).

datamarketservices.eu
Founded in 1987, Huawei is a leading global provider of information and communications technology (ICT) infrastructure and smart devices. We are committed to bringing digital to every person, home and organization for a fully connected, intelligent world. We have nearly 188,000 employees, and we operate in more than 170 countries and regions, serving more than three billion people around the world.

Huawei’s end-to-end portfolio of products, solutions and services are both competitive and secure. Through open collaboration with ecosystem partners, we create lasting value for our customers, working to empower people, enrich home life, and inspire innovation in organizations of all shapes and sizes. At Huawei, innovation focuses on customer needs. We invest heavily in basic research, concentrating on technological breakthroughs that drive the world forward.

Computing has been constantly at the heart of technology advancement and is also the pivotal force underpinning the Fourth Industrial Revolution. Huawei Intelligent Computing draws on its best expertise in compute, management, Artificial Intelligence (AI), storage, and network core chips to build full-stack intelligent solutions covering a range of Cloud-Edge-Device scenarios. Huawei intelligent computing products and solutions deliver unrivalled compute power to catalyze the intelligent transformation of traditional data centres and industries, leading the way forward to a fully connected, intelligent world.

huawei.com
Knowage is the Open Source Suite for any modern Business Analytics. It satisfies traditional requirements as well as innovative and challenging informative domains, combining traditional data and big data sources into valuable and meaningful information. The suite is composed of several modules, each one conceived for a specific analytical domain, but mutually combinable to ensure full coverage of users’ requirements: BIG DATA, to manage different data types and sources, combining structured enterprise data with external multi structured ones; SMART INTELLIGENCE, to easily access enterprise structured data having full control of the analysis, with advanced ad-hoc and self-service capabilities; ENTERPRISE REPORTING, to send certified information to certified users at the right time, in a ready-to-print layout; LOCATION INTELLIGENCE, to combine business measures and spatial data at a run time plotting data over maps, spaces, schemas or vectorial pictures; PERFORMANCE MANAGEMENT, to measure goals and targets according to specific thresholds and from different perspectives; PREDICTIVE ANALYSIS, to perform advanced processing using data mining techniques for forecasting and prescriptive purposes.

Knowage is supported by Engineering Group, the Italian leader in the IT sector with around 11,000 professionals in 65 locations and a consolidated revenue portfolio in 2018 of 1.18 billion Euros.

knowage-suite.com
RISE Research Institutes of Sweden is the Swedish research institute and innovation partner for every part of society. Through international collaboration with companies, academia and the public sector, we contribute to a competitive business community and a sustainable world. RISE works on many of the most pressing and exciting challenges of our time. As our 2,700 employees drive and support all types of innovation processes, we work with a wide range of projects and issues — from AI with societal benefits to new ways of removing drug residues from wastewater.

AI according to RISE - The shortcut at the service of mankind. We see AI as an area of innovation that can advance humankind. When vast amounts of data can be processed and interpreted by machines, time is freed up so the problem solvers of today can develop the solutions needed. The technology can be applied in areas ranging from climate change to cancer care. RISE is a unique innovation partner that provides an entire AI ecosystem, from idea to application. Collaborating cross-industry from the business to public sector, we make AI the highway to a better society.

ri.se

Sitra is a think and do tank that brings together change-makers for the next era of well-being from all sectors of society. The current themes of Sitra's work are carbon-neutral circular economy, capacity for renewal, new working life and sustainable economy. Sitra produces studies and foresight data in anticipation of future development and has a wide range of methods and tools for its future-oriented work, continuously testing and developing new ones. The fund's vision is a fair and sustainable future.

All Sitra's operations are funded by the return from endowment capital originally granted by the Finnish Parliament in 1967. Nowadays the fund is independent yet supervised by the parliament (not accountable to any party, trend, or a government power). Sitra invests responsibly in venture capital funds to promote Finland's competitiveness and business activities aimed at a sustainable future. Our aim is Finland that succeeds as a pioneer in sustainable wellbeing.

sitra.fi
VTT is a visionary research, development and innovation partner. We drive sustainable growth and tackle the biggest global challenges of our time and turn them into growth opportunities. We go beyond the obvious to help the society and companies to grow through technological innovations. We use our research and knowledge to provide expert services for our domestic and international customers and partners. We serve both private and public sectors. We have over 75 years in experience of top-level research and science-based results. Our turnover and other operating income is 268 M€ of which 44% comes from abroad.

We have total personnel of 2049, out of which 200 researchers, who are pursuing research and customer projects and activities related to Artificial Intelligence Big Data and Data Analytics. Our customers can benefit from our visionary research when creating new products, production processes, methods and services.

We ensure efficient utilization of science and technology together with our broad network of international collaboration partners. We have sites in Espoo, Oulu, Tampere, Jyväskylä, Kuopio and Kajaani.

vttresearch.com
5.3 Gold Sponsors
Governments’, businesses’ and individuals’ understanding of data has changed dramatically over the last few years. Through education, news, legislative change, and supporting education programmes and dedicated data infrastructure, EU citizens have had many opportunities to develop an awareness of what data means for their lives, and of the potential economic and social impact of data that affects them directly. The latest addition to this set of EU resources is the Support Centre for Data Sharing (SCDS) eudatasharing.eu is launching at EBDVF 2019, with the objective is to facilitate data sharing.

data.europa.eu

DataBio is the largest H2020 lighthouse project working on Big Data to improve bioeconomy, supporting the development and delivery of novel services and technologies in Agriculture, Fishery and Forestry.

DataBio involves 48 partners and over 100 organizations in demonstrations. The project is driven by the development and evaluation of 26 pilots covering Agriculture, Fishery and Forestry. Pilots aim to foster the production of the best raw materials from the 3 sectors to improve the output of food, energy and biomaterials, responsibly and sustainably.

databio.eu

Atos is a global leader in digital transformation with over 110,000 employees in 73 countries and annual revenue of over € 11 billion. The Group provides end-to-end Orchestrated Hybrid Cloud, Big Data, AI, Business Applications, Cybersecurity and Digital Workplace solutions. Atos is a SE (Societas Europaea), listed on the CAC40 Paris stock index. Atos is a key player for the design of the future information technology space. Atos is a founding member of BDVA and participates in several AI and BD European Projects.

atos.net
The ExtremeEarth project develops Artificial Intelligence and Big Data techniques and technologies that scale to the petabytes of big Copernicus data, information and knowledge, and applies these technologies in two of the thematic exploitation platforms of the European Space Agency: Food Security and Polar. The core technologies used by the project are scalable deep learning for Copernicus data and big linked geospatial data. The software developed will be demonstrated on the Hops data platform and the CREODIAS data and information access service.

earthanalytics.eu

The European Open Science Cloud (EOSC) will become a trusted and open virtual environment for the scientific community with seamless access to services addressing the whole research data life-cycle. The EOSC will federate already existing infrastructure and services across Europe. Through the implementation of FAIR data principles, EOSC will facilitate cross-disciplinary interoperability and research in order to address key societal challenges. Visit us and find out how you, your organization and your community can be part of making the EOSC a reality.

eoscsecretariat.eu

Industrial-Driven Big Data as a Self-Service Solution (I-BiDaaS) is a RIA project funded by the EU Horizon 2020 Program (GA #780797). I-BiDaaS aims to empower users to easily utilize and interact with big data technologies, by designing, building, and demonstrating, a unified framework that: significantly increases the speed of data analysis while coping with the rate of data asset growth, and facilitates cross-domain data-flow towards a thriving data-driven EU economy. I-BiDaaS will be tangibly validated by three real-world, industry-lead experiments.

ibidaas.eu
IDC4EU – European Government Consulting is the IDC consulting group delivering data-based value to European governments and policy-makers, by leveraging IDC research and intelligence services in the ICT market.

IDC4EU interacts with global and European IDC offices that count on the expertise of more than 1,100 analysts in over 110 countries worldwide. IDC4EU has more than 25 years of experience in the assessment of the ICT markets and their socioeconomic impacts and has built strong connections with an extended network leading European socioeconomic research centres, universities, consulting companies and policy-makers.

idcitalia.eu

Inria, the French national research institute for the digital sciences, promotes scientific excellence and technology transfer to maximise its impact. It employs 2,540 people. Its 200 agile project teams, generally with academic partners, involve more than 3,000 scientists in meeting the challenges of computer science and mathematics, often at the interface of other disciplines. Inria works with many companies and has assisted in the creation of over 160 startups. It strives to meet the challenges of the digital transformation of science, society and the economy.

inria.fr

The Aragon Institute of Technology (ITAINNOVA) is a non-profit technology centre whose main objective is to promote competitiveness in the industrial sector through development, acquisition, adaptation, transfer and dissemination of innovative technologies. Our staff is composed of 226 employees, of which 84 are women and 43 hold a PhD degree. ITAINNOVA has a department working on Big Data and Artificial Intelligence leading the introduction of these technologies in Public Administration.

itainnova.es
Nokia creates technology to connect the world. Developing and delivering the industry's only end-to-end portfolio of network equipment, software, services and licensing that is available globally. Their customers include communications service providers whose combined networks support 6.1 billion subscriptions, as well as enterprises in the private and public sector that use our network portfolio to increase productivity and enrich lives. Nokia adheres to the highest ethical business standards as we create technology with social purpose, quality and integrity.

nokia.com

NESSI (the Networked European Software and Services Initiative) is the ETP for software, services and data. NESSI promotes research, development and innovation in these fields in order to strengthen the competitiveness of European industry. NESSI has Partners and Members from all over Europe, including industry, research institutions and academia, and engages in close dialogue with the EC and other stakeholders on topics of current interest. NESSI is currently promoting its view that without software there is no AI.

nessi-europe.com

NEC Laboratories Europe is in Heidelberg, Germany. Our R&D agenda is built around the slogan of Information and Communication Technologies for a better tomorrow. Major technology areas are DataScience, Security, IoT and AI Platforms and 5G Networks, together with standards activities. With our research, we are enhancing the fundamental capabilities of artificial intelligence systems for prediction accuracy, personalization, scalability, and performance improvements for low-latency applications. Based on our leading AI technologies, we develop new solutions for multiple application domains, with a special focus on trust and explainability.

neclab.eu
Philips Radiation Oncology Solutions provides a proven portfolio of dedicated radiotherapy solutions that span diagnostic imaging to treatment planning. By integrating tools, systems, and software – we help you to improve patient care, accelerate time to treatment and enhance patient satisfaction. At Philips, we strive to make the world healthier and more sustainable through innovation. Our goal is to improve the lives of 3 billion people a year by 2030.

philips.fi

SPECIAL (‘Scalable Policy-aware linked data Architecture for privacy, transparency and compliance’) is a 3-year (Jan17-Dec19) European research and innovation project funded under the Horizon2020-ICT-2016-1 Big Data PPP call to address privacy-preserving Big Data technologies. The technological solutions developed in SPECIAL do not only benefit the data subjects, but also companies acting as data controllers, which need to comply with the EU General Data Protection Regulation (GDPR).

specialprivacy.eu
5.4 Silver Sponsors
Boeing Research & Technology Europe (BR&T-E) was established in 2002 in Spain, and since then has become an active member of the European R&TD landscape. BR&T-E is an active member of the European industry in the fields of Air Traffic Management, Safety and Environment, contributing to establish a permanent technical footprint of Boeing in Europe as a key player in the R&TD community. BR&T-E collaborates actively with a variety of European stakeholders through agreements and partnerships with leading European organizations, including European Institutions, Universities, Research Centres, and Air Navigation Service Providers. As a result of this collaborative strategy, BR&T-E develops advanced systems solutions and breakthrough technologies that help improve the quality, performance, environmental sustainability and safety of aerospace products and services.

BR&T-E has expertise in Big Data Research techniques related to the analysis of massive dataset based on Big Data technologies and advanced computing technologies. BR&T-E has a lab with a cluster of computers based on Hadoop architecture for Big Data research. BR&T-E areas of research for Big Data and Machine Learning are Airline operations efficiency, Air Traffic Management efficiency, Unmanned Aerial Systems operations efficiency.

boeing.com

CYBERTEC was founded in the year 2000 and is your competent partner for Data Science & PostgreSQL.

Cybertec has been supporting international companies and corporations during the implementation of complex database projects for more than 19 years. We are operating as an IT service provider specialized in PostgreSQL services and are one of the world market leaders in this field.

Our support specialists help you 24x7 and provide technical backup for your business. Our experts have all the know-how you need to make your projects successful. In addition to PostgreSQL services, we provide Artificial Intelligence based solutions such as data mining, intelligent search as well as sophisticated learning algorithms.

We support you in evaluating your database according to your wishes and making it available for further processing. If required, we will take care of developing individual software that corresponds exactly to your application.

From our locations in Austria, Estonia, Switzerland and Uruguay our international team is serving customers worldwide in more than 30 countries.

cybertec-postgresql.com
Dawex, the leading data exchange technology company and the operator of the largest data marketplace, allows organizations to orchestrate data circulation by sourcing, monetizing and exchanging data directly, securely and in full compliance with regulations.

Dawex Data Exchange Platform enables companies to operate their data exchange platform. Licensed to organizations in a white-labelled mode, the platform supports multiple data exchange use cases, free or monetized exchanges, including internal data exchange, external data sourcing, external data sharing, external data monetization and data orchestration between multiple third-parties.

Dawex also operates the largest 2-sided Global Data Marketplace, built upon Dawex Data Exchange Platform technology, where currently 8,000+ organizations from 20+ industries, meet to a source, monetize and exchange data directly, securely leveraging the blockchain technology to ensure the integrity of licensing contracts. The comprehensive functional map of the platform, its ease of use, its sound architecture and highest levels of security have been key to the rapid growth in the volume of participants.

Created in 2015, Dawex is a French company with offices in Paris, Lyon, San Francisco and Montreal, expanding business operations to Asia and the Middle East.

dawex.com

FCAI is a nation-wide competence centre for Artificial Intelligence in Finland, initiated by Aalto University, University of Helsinki, and VTT Technical Research Centre of Finland. Their mission is to create Real AI for Real People in the Real World - a new type of AI, which can operate with humans in the complex world - and to renew the Finnish Industry with the new AI. In 2019 FCAI gained the Academy of Finland flagship status, a standing-only granted to six centres of excellence of high quality and high societal impact.

Artificial Intelligence will become the technology with the biggest business and societal impact over the near future. The Finnish government has launched an ambitious AI strategy to address this change and FCAI is at its core. FCAI is a competence cluster that creates new AI and attracts top experts to Finland. The research is based on top-tier expertise in machine learning, especially probabilistic modelling and deep learning, and on multidisciplinary collaboration with experts from other fields and cooperation with the industry sector. Together with their partners FCAI enables industrial renewal and promotes societal transformation by having an impact in science, education, economy and society. FCAI is part of the network of European AI Digital Innovation Hubs and a member of the European Applied AI Alliance.

fcai.fi
At IBM Research, we are pioneering the most promising and disruptive technologies that will transform industries and society, including the future of AI, blockchain, and quantum computing. With more than 3,000 researchers in 12 labs located across six continents, IBM Research is one of the world's largest and most influential corporate research labs.

Scientists at IBM Research – Haifa, the biggest IBM Research lab outside the US, are working on artificial intelligence, cloud data services, healthcare informatics, and image and video analytics, alongside security and quality technologies. In Haifa, cloud experts focus on scalability and elasticity, cost, security, migration of data and compute, and performance. Our collaborations include open source communities and partnerships with industry and academia through Horizon2020 projects. Two examples are:

BigDataStack is aimed at simplifying the holistic management of big data resources and operations. Alongside serving as coordinating partner, IBM is delivering vital cloud components to boost SQL query processing and seamlessly federate legacy databases with object storage.

CloudButton is targeted at democratizing big data by simplifying the overall life cycle and programming model using serverless technologies. The IBM team intends to create the first FaaS compute run-time for Big Data analytics by leveraging Apache OpenWhisk.

ibm.com
Instituto Tecnológico de Informática (ITI) is a Reference Hub in Digital Technologies. As a Research and Technology Centre and also a Digital Innovation Hub (DIH) in Valencia Region (Spain), ITI has an ecosystem of more than 235 companies (being the largest association of companies around ICT technologies in the region). Its mission is to increase the competitiveness of companies, by generating and transferring the necessary knowledge and technologies for the improvement of industry and society.

Focused on Data-Driven Innovation, ITI provides a set of technology enablers aimed at the reliable and efficient collection of data (Cyber-Physical Systems), its communication (Cyber-connectivity and IoT), distributed processing and storage (Cloud / edge computing and blockchain), data analytics at large scale (Big Data analytics), and prediction and simulation (Artificial Intelligence), under a layer of Software Engineering that provides the necessary quality and security.

ITI is a reference in Big Data and Artificial Intelligence, being part of the European network of DIH on AI. Additionally, ITI has been recognized by the Big Data Value Association as a qualified Data Innovation Space based on its infrastructures, services and impact. ITI is also member of BDVA, ARTEMIS-IA, IDSA, AIOTI, NESSI and other relevant associations both at national and European level.

iti.es

Mozaika, The Humanizing Technologies Lab, provides research and development in the field of data science, natural interfaces (human-computer interaction), knowledge management and human insight.

At Mozaika we are trying to leverage data science with natural interfaces to provide solutions tailored to human behaviour, attitudes and comprehension. The company specializes in building information infrastructures that serve a variety of applications in data as a service or intelligence as a service mode. Our solutions are either human user-facing or modules of larger systems. We cover verticals like business information delivery, human resources management, cultural heritage, water management, earth observation for AI, historical archives, content mapping, research infrastructures for the humanities, and intent to expand into Industry 4.0 and Smart Cities. The European Space Agency, the French Embassy in Bulgaria, Rittal GmbH, Ogilvy, Infeurope S.A., Sofia Municipality count amongst our clients. We partner with organizations like ESRI Bulgaria, SISTEMA GmbH, Gothenburg University, the Italian-Bulgarian Chamber of Commerce, Sofia University and the Bulgarian Academy of Sciences. All projects of Mozaika have technologically an innovative edge and abide to principles of human-centric design. Do not hesitate to get in touch with us.

mozajka.co
Musketeer aims to develop an Industrial Data Platform with scalable algorithms for federated and privacy-preserving machine learning techniques, detection and mitigation of adversarial attacks, and a rewarding model capable of fairly monetizing datasets according to the real value of the data. MUSKETEER aims to alleviate data sharing barriers by providing secure, scalable and privacy-preserving analytics over decentralized datasets using machine learning based on IDSA concepts (architecture model and components). An initial set of privacy-preserving machine learning algorithms to solve regression, classification and clustering problems will be provided, although the platform will be flexible enough to accept new algorithmic implementations. Data can continue to be stored in different locations with different privacy constraints but shared securely. The MUSKETEER cross-domain platform will validate progress in the industrial scenarios of smart manufacturing and health.

musketeer.eu

TNO is a Dutch, public, independent, not-for-profit applied research and technology organization, one of the largest in Europe. Based on its expertise and research in technological, policy, business and social innovation, TNO connects people and knowledge to create innovations which strengthen the competitive position of companies and societal welfare. With a staff of approximately 3,000 and an annual turnover of around half a billion Euros, we carry out well-defined research programmes on energy, health, defence & security, buildings, mobility, circular economy, industrial innovation and ICT.

Based on their expertise and research, TNO develops public/private ecosystems, hence strengthening the competitiveness of the Dutch economy and innovation policy and enhancing societal welfare. TNO is very successful in European research programmes, and active internationally.

TNO has done extensive research on Big Data and Artificial Intelligence already for years, and ensuring that the innovation reaches industry, be it large or SME’s. TNO organizes and creates content in the form of methodologies, tools, technology demonstrators, position papers, blogs, seminars. Their role is not only intrinsic, as a supplier of knowledge. It is also in our nature to orchestrate the debate between government, research, industry and citizens at national and European level.

tno.nl
EUROPEAN BIG DATA VALUE FORUM
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