

BASQUE INDUSTRY 4.0

The meeting point **2019**

4.0 INDUSTRIA ETA
ZIBERSEGURTASUNAREN ARLOKO
ERREFERENTZIAZKO EKITALDIAREN
VI. EDIZIO BERRITU ETA HANDITUA

PRENTSA DOSSIERRA

Azaroak 20 eta 21
BILBAO EXHIBITION CENTRE.
2. Pabilioia. Ansio-Barakaldo.



BEGIRADA BAT TEKNOLOGIAREN ETA IKERKETAREN ETORKIZUNARI

Basque Industry 4.0. The Meeting Point ekitaldian aukera izango da 4.0 Industriaren inguruko eragile publiko, pribatu eta enpresa guztien ezagutzak eta esperientziak partekatzeko.

Topaketa hau prozesu industrialak optimizatzeko balio duten **EIKT tresnetan** zentratzen da. Diseinurako, garapenerako, produkzioarako, logistikarako eta fabrikazioaren kudeaketa integraturako tresna adimendunak.

Bi egunez azalduko dira esperientziak, joerak, estrategiak, iritziak, tailerrak, erakusketak eta arlo horietako adituen ikuspegiak, eta gune egoki bat atonduko da networking-erako.

Erakusketa eremu handiagoan bilduko diren 170 standen artean, Basque Research & Technology Alliance (BRTA) partzuergoari atxikitako zentro teknologikoak, 4.0 Industriako euskal enpresa nagusiak eta BIND 4.0 programako startupak izango dira.

Kongresua 2014an egin zen lehen aldiz, eta ongi errotutako topaketa bat da une honetan. 2018ko edizioan 130etik gora enpresek parte hartu zuten stand-gunean, 1.880 bertaratu eta 100 hizlari.

Nazioarteko topaketa erreferentea bilakatu da harremanak finkatzeko, enpresen arteko lankidetzak sustatzeko eta negozio-akordioak ixteko.

Basque Industry 4.0 The Meeting Point ekitaldiak urrats bat gehiago emango du bere seigarren edizio honetan eta erronka berriei egingo die aurre, hain zuzen ere azken urteotako errealitate industrialak ezartzen dituen eta gure jardueraren segurtasunarekin lotuta daudenei. Jarduera industrialak, 4.0 Industria, industria aurreratua eta industria teknologiko eta digitalizatua segurtasun osoz eta guztiz babestuta garatu behar dira, eta horregatik, ekitaldia gero eta handiagoa da, zibersegurtasun arloko ezagutzak eta esperientziak eskaini ahal izateko.

4.0 Industriaren beste teknologia bat da, ezinbestekoa antolakuntza eta kontrol maila berri bat lortzeko, eskaeran hasten dena eta bere baitan hartzen dituen produkzioa, entrega, salmenta ondorengo zerbitzua, mantenimendua eta amaierako birziklapena.

VI. EDIZIOKO ZENBAKIAK



5000 metro koadroko azalera



95 hizlari



3.000 partaide baino gehiago



170 erakusketari; horietatik, 106 startupak dira

Basque Research & Technology Alliance (BRTA)



2019ko BIND 4.0 programako 80 startup

Zer eskaintzen du?

1.0

4.0 networking handiena

Ekitaldiak elkarrekin konbinatzen ditu punta-puntako hitzaldiak, kasuen aurkezpenak, tailerrak, elkarrizketak, mahai-inguruak, erakusketak eta erakustaldi-gune bat.

Kongresuan osoko bilkurak eta aldi bereko saioak egingo dira, erakusketa-gune zabal bat egongo da 4.0 teknologiak eskaintzen dituzten enpresentzat, beste gune bat tailerrentzat, 4.0 industriarako konponbideen "gamifikazioarekin" esperimentatzeko txoko bat eta networking-gune bat.

Bestalde, Basque Industry 4.0 topaguneak formula onenak bilatu nahi ditu ezagutzak partekatzeko eta, beraz, egitaraura bildutako ekitaldi guztietan sustatuko dira elkarrizketa, iritzi trukea, entzute aktiboa, enpresa arteko lankidetzeta eta networking-a.

2.0

4.0-ko joerak

Industriaren eta eskaintza teknologikoaren munduko aditu garrantzitsuen ikuspegia deskubrituko dugu. Enpresa-proiektuak eta -kasuak; zibersegurtasuna industria orokorrerako eta, bereziki, sektore garrantzitsuetarako; konponbide teknologikoak eta ekintzaitetza ekimenak, BIND 4.0 programako kolaborazio-proiektuen bitartez..



Fabrikazio gehigarria



Robotika kolaboratiboa



Sistema ziber-fisikoak



Cloud computing-a



Big Data



Errealitate birtuala



Zibersegurtasuna



Errealitate areagotua

3.0

Hitzaldiak

- **Adituen ikuspegia** Garapen Sostengarriari, Adimen Artifizialari eta 4.0 Industriari buruz.
- **Industriaren munduko pertsona garrantzitsuen iritzia 4.0 Industria berriak** eta Zibersegurtasunak berekin dakartzaten eta datozen urteetan gainditu beharko dituzten erronkei buruz. Ikuspegia, egoera, etorkizuna, estrategiak, giltzarriak, iritziak, e.a.
- **Prozesu industrialak digitalizatzeko konponbide teknologikoak**, esaterako hauek: Diseinua, Ingeniaritza, Produkzioa, Mantenimendua, Hornikuntza, Logistika, Salmentak, Bezeroarentzako euskarria... eta 4.0 teknologia aurreratuenak: Cloud Computing-a, Robotika kolaboratiboa, Sistema ziber-fisikoak (CPS), Errealitate birtual eta areagotua, Zibersegurtasun industriala, Sentsorika, Gizaki – Makina interfaze aurreratuak, Datu industrialen analitika (Big Data), Fabrikazio gehigarria, Adimen artifiziala, Blockchain, ...
- **Zibersegurtasun-teknologiaren industriako aplikazioa sustatzeko saioak.**
- **4.0 Industriaren teknologia bideratzaileak –Industrien** eta Startupen arteko lankidetzatik eratorriak– aplikatzeko proiektuen frogak. BIND 4.0.

4.0

Tailer praktikoak

- **FIRST BILBAO - Technical Colloquium.** Technical Colloquium ekitaldi honek 10 saio ireki izango dituena, segurtasun arloko adituek emango dituztenak, informazioa partekatu dezaten ahultasunei, gertakariari eta tresnei buruz eta gertakarietako segurtasun eta erantzun lantaldeen zereginetan eragina izan dezaketen arazoei buruz.
- **Zibersegurtasun industrialari,** gertakarien kudeaketari eta sektore garrantzitsuei buruzko tailer praktikoak.
- **Teknologiari buruzko tailer praktikoa basque industry4.0.** Teknologo artean teknologiaz hitz egiteko aukera "ikasgela" formatuan. Adituen eskutik kontzeptu eta teknologiei buruz ikasi nahi duten profil teknikoko pertsonentzat.
- **GAIA Elkarteak tailer praktikoa eskainiko ditu** osoko bilkurak egiten diren bitartean. Tailer horietan aztertuko da nolako gaitasuna duten gamifikazio teknologiek –Errealitate Birtuala, Errealitate Areagotua, Simulazioa... – industria baten fase desberdinetan. Tailerretako leku kopurua mugatua da, eta parte-hartzaileek aukera izango dute hainbat enpresatan erabiltzen diren aplikazioekin esperimintatzeko eta aztertzeko zer erabilera eman dakiekeen gamifikazio teknologiei euren antolakundeetan.

5.0

Bisitatu 4.0 Industriarako teknologia- eta zerbitzu-eskaintza handiena duen

Aurreko edizioan 130etik gora enpresak parte hartu zuten stand-gunean eta ekitaldia nazioarteko erreferente bihurtu zen kontaktuak egiteko, enpresa arteko lankidetzak sustatzeko eta negozio-akordioak ixteko.

6.0

BIND 4.0 Startup Zone

Erakusketa eta topaketak BIND 4.0 programaren 2019ko edizioan parte hartu duten startupen eta industria teknologikoen artean. Ekintzaitza teknologikoak ere izango du bere txokoa "Basque Industry 4.0" ekitaldian, non aurkezpenen bidez azalduko den nolako aurrerapenak lortu dituzten BIND 4.0 programako industriek eta startupek elkarlanean garatu dituzten proiektuetan.

Aukera izango dugu BIND 4.0 programak aukeratutako startupak ezagutzeko eta haiekin harremanetan jartzeko. Gehienek puntako teknologiek lotutako proiektuak garatzen dituzte:

- INTERNET OF THINGS
- CYBERSECURITY
- ADDITIVE MANUFACTURING
- ROBOTICS
- BIG DATA
- ANALYTICS
- ARTIFICIAL VISION
- AUGMENTED/ VIRTUAL REALITY AND ARTIFICIAL INTELLIGENCE

Gainera, Bind4.0 programaren 2019ko edizioko startupak interesdun enpresen esanetara jarriko dira, eraldaketa digitala zein negozio berrien garapena bultzatzen dituzten disrupzioak ezagutzera emateko.



Nori zuzenduta dago?

Diziplina anitzeko ekitaldi bat da, zeinetan elkarrekin konbinatzen diren estrategia, iritziak, teknologia, esperientziak eta tailerrak, eta non harremanak sustatzen diren. Ezaugarri horiekin, ekitaldi egokia bihurtu da **edozein sektoretako enpresentzat**.

Berdin interesgarria da unibertsitateentzat, teknologia-zentroentzat, aholkularitza eta ingeniarietzako enpresentzat, administrazio publikoarentzat eta industria arloa bideratutako zerbitzu enpresentzat, eta, funtsean, laugarren iraultza industrialaren eta zibersegurtasunaren alderdi guztiak hurbiletik ezagutu nahi dituen edonorentzat.

EGITARUA 4.0 INDUSTRIA ETA ZIBERSEGURTASUNA

Asteazkena, azaroak 20

- 9:30** Hasiera, Ongi-etorria, Basque Industry 4.0 Estrategia
Osoko bilkura – A aretoa
- 10:00** Osoko bilkura - A aretoa
Keynote: "Ongia komunerako 4.0 Industriadantza" (ESP) -> (ENG)
• **Nuria Oliver**
Chief Data Scientist - Data-Pop Alliance y Chief Scientific Advisor - Vodafone Institute
- 11:00** **KAFEA - NETWORKING-a**
Erakusketa-gunea 
- 12:00** Osoko bilkura - A aretoa
Keynote: "Ziurgabetasun agertoki baten aurrean, zibersegurtasun eredu iraunkor bat nola eraiki". (ESP) -> (ENG)
• **Daniel Madrid**
Director - Information Security Consulting Iberia Practice Leader - GARTNER Consulting
- 12:45** Osoko bilkura - A aretoa
4.0 DATUAK: Datuak ireki eta partekatu ingurune industrialean" (ESP) / (ENG)
• **Alberto Abella**
COTEC, Director - Desidedatum
• **Thorsten Huelsmann**
CEO, Digital Hub Logistics Dortmund
• **Lars Nagel**
CEO-IDSA (International Data Spaces Association)
• **Oscar Lázaro**
Innovalia Association
• **Cristina Oyón**
SPRI
- 13:45** **BAZKARIA – NETWORKING-a**
Erakusketa-gunea 

Saio paraleloak: 4.0 PROZESUAK

- 15:15** **A aretoa**
Diseinua, Ingeniaritza, Produktzioa, Mantentimendua
- **Francisco Huertos**
Soluciones avanzadas de digitalización para la optimización de procesos industriales (ESP) -> (ENG). Ikertzailea - LORTEK
 - **Eric Martin Cañete**
Mantenimiento predictivo en aviones (ESP) > (ENG). Chapter Lead - PLAIN CONCEPTS
 - **Iñaki Grau**
NAIA 4.0: Gestión eficiente de la energía en sistemas cyber-físicos conectados (ESP) - > (ENG). Eragingarritasun energetikoko arduradun tekniko - GESTAMP
 - **Eduardo Novoa**
Telegestión de activos en campo. (ESP) -> (ENG). Zuzendari komertziala - LKS, S.Coop
 - **Iñigo Losada**
Mantenimiento avanzado 4.0 de instalaciones (ESP) -> (ENG). Ingeniaritza Saileko arduraduna- SARENET
 - **Jabier Patiño Rodríguez**
Robótica colaborativa: 5 claves para una implantación de éxito. (ESP) -> (ENG) Negozio- garapen arduraduna - MC APLICACIONES
- B aretoa**
Hornikuntza, Logistika, Salmentak eta Bezeroarentzako euskarria
- **Nora Etxezarreta**
¿Cómo construir una Pyme data-driven? (ESP) -> (ENG). Smart Manufacturing eta Big Data aholkularia - IBERMATICA
 - **David Marco Freire**
Gestión de riesgos en la cadena de suministros (ESP) -> (ENG) OT Security Manager - ACCENTURE
 - **Jesus Angel Bravo**
Cobots en la industria: Robots de servicio, Aplicaciones Cloud e inteligencia Artificial para Robots. (ESP) -> (ENG). CEO - CAMP TECNOLÓGICO
 - **Juan Carlos Martinez**
Soluciones IoT e Inteligencia Artificial en la logística (ESP) -> (ENG). Business Development Manager IoT - AMAZON WEB SERVICES
 - **Javier Ferrer**
Rastreo y seguimiento total de toda la cadena de suministro para la industria 4.0 (ESP) -> (ENG). CEO - WITRAC

4.0 PROZESUAK

15:15

C3. aretoa

MINTEGIA: Adimen artifiziala eta hizkuntza-teknologiak: aukerak eta erronkak (EUS)

HELBURUA: Adimen artifizialak eta hizkuntza-teknologiak eskaintzen dituzten aukerak enpresei ezagutaraztea eta etorkizunean euskal industriak alor honetan izango dituen beharrak eta erronkak ezagutzea.

EGITARAUA:

- **15:15-15:25. Hasiera.**
Alex Arriola
Spri
- **15:25-15:50. Marko orokorra.**
Olatz Arregi
HiTZ Zentroa. UPV/EHU
- **15:50-16:30h. Adibide praktikoak**
Arantza del Pozo
Vicomtech

Josu Aztiria
Elhuyar
- **16:30-17:30 Tailerra:** bost /hamar urte barru, gure industriak zein behar izango ditu adimen artifiziala eta hizkuntza-teknologiei dagokienez.
- **17:30 -17:35** Agurra

17:30

CONNECTING STARTUP AFTERWORK4.0.
Connecting Startup: Aurrera darrai Networking-ak

4YFN | Connecting
Startups

Osteguna, azaroak 21

9:00

A aretoa

Teknologia bideratzailea

- **Jose Antonio Lorenzo**
Barreras técnicas y mentales en la introducción de tecnologías disruptivas en la empresa vasca (ESP) -> (ENG)
R&D Team Architecture and Software Development Engineer - LANTEK SHEET METAL SOLUTIONS, S.L.
- **Miguel Angel Barea**
Blockchain aplicado al ecosistema del vehículo autónomo (ESP) -> (ENG)
Director área Identidad Digital - INYCOM
- **Jaume Homs**
Fabricación digital en serie. Más allá de la velocidad y el coste. (ESP) -> (ENG)
Responsable de ventas - HP 3D PRINTING
- **Roquefere Romain**
Virtual assistants dedicated to the industrial sector. (ENG) -> (ESP)
Socio Fundador - HUPI IBERICA
- **Cesim Demir**
5G enables fully digital transformation in the manufacturing. (ENG) -> (ESP)
CTO Manufacturing & Automotive Solutions - HUAWEY

B aretoa- Zibersegurtasuna

Welcome remarks (ENG) -> (ESP)

- **Javier Diéguez**
Basque Cybersecurity Centre
- **9:10h Engineering Out The Cyber Risk To Protect What Matters Most (ENG) -> (ESP)**
- **Andrew Bochman**
Senior Grid Strategist - US Dep. of EnergyLinkedin
- **Samuel Linares**
Managing Director - Europe and Latin America ICS Security Lead for Energy, Utilities, Chemical and Natural Resources - ACCENTURE
- **9:10h Cybersecurity and the Implications for Private Investment in Critical Infrastructure**
- **Amanda Wallace**
Managing Director - JP Morgan
- **10:10h Global EPIC - Building a Global Network of Cybersecurity Hubs (ENG) -> (ESP)**

Osteguna, azaroak 21

9:00

A aretoa

Teknologia bideratzailea

- **Santiago Perez**
Inteligencia Artificial en la Industria, el ejemplo de los Barcos Conectados (ESP)
-> (ENG). GTM-Digital Infrastructure - NTT

10:30

BIND 4.0. arloko kasu

SIDENOR-IMMERSIA

- **Iñigo Legua.** Sidenor
- **Seda Tosun.** Immersia

BTI-SAMYLABS

- **José Ramón Rivero.** BTI
- **Jon Martínez.** Inser Robótica

ABB-ENGIDI

- **Goizeder Pajaro.** ABB-Engineering Solutions & Quality Manager
- **Gerard Fernández.** ENGIDI-CEO

MERCEDES BENZ-NEURON SOUNDWARE

- **Juan Mocoroa.** MERCEDES BENZ -Senior Manager Manufacturing Engineering
- **Tomas Netrval.** Neuron Soundware-CTO

ARCELOR MITAL – OPENCLOUD

- **Agustín Esteban.** ARCELOR MITAL
- **Darragh Kelly** OPEN CLOUD

B aretoa- Zibersegurtasuna

10:10h Global EPIC - Building a Global Network of Cybersecurity Hubs (ENG) -> (ESP)

- **Godfrey Gaston**
Director - Centre for Secure Information TechnologiesLinkedin
- **Katie Stebbins**
Vice President of Economic Development - University of Massachusetts
- **Roni Zehavi**
CEO - Cyberspark

10:50h Cybersecurity for Robotics. (ENG) -> (ESP)

- **Bernhard Dieber**
ROBOTICS
- **Thomas Ryden**
MassRobotics
- **Endika Gil-Uriarte**
Alias Robotics

11:30

KAFEA – NETWORKING-a Erakusketa-gunea



12:00

B aretoa

Through the eyes of the Attacker: Designing Embedded Systems Exploits for ICS (ENG)
-> (ESP)

- **Marina Krotofil**
Senior Security Engineer - BASF

12:30

B aretoa

Talent and Diversity: Women's Role in Cyber. (ENG) -> (ESP)

- **Ana Ayerbe**
Trustech - Tecnalía
- **Nina Hasratyan**
Policy Manager & Liaison with Stakeholders - European Cyber Security Organisation

13:00

B aretoa

Cybersecurity Product Certification for Industrial Connected Devices. (ESP) -> (ENG)

- **Carlos Abad (Moderador)**
ZIUR
- **Sergio Lomban**
Digital Trust Services - SGS Group
- **David González**
Industrial Security Team Leader - IKERLAN

TAILERRAK

FIRST BILBAO. Technical Colloquium

Azaroak 20, 21

tailerra I Tokia: C1. aretoa I

Hizkuntza: Ingelesez

FIRSTeko (zibersegurtasun arloko gertakariei erantzuteko lantaldeen munduko foroa) kide den Basque Cybersecurity Center-ek FIRST Bilbao Technical Colloquium eztabaida-foroa antolatu du FIRSTeko kideentzat eta gonbidatuentzat, informazioa partekatu dezaten ahultasunei, gertakariei eta tresnei buruz eta gertakarietako segurtasun eta erantzun lantaldeen zereginetan eragina izan dezaketean arazoei buruz.

Basque Cybersecurity Center-ek erabaki du Technical Colloquium ekitaldi honek 10 saio ireki izango dituela, segurtasun arloko adituek emango dituztenak, zeintzuek gai teknikoak landuko baitituzte parte-hartzaile talde txikiekin eta oso modu interaktiboan. FIRSTeko kideei eta profil teknikoko pertsoneri zuzendutako tailer horietan 100 parte-hartzaile onartuko dira gehienez.



ZIBERSEGURTASUN EUSKAL ZENTROA
CENTRO VASCO DE CIBERSEGURIDAD

EGITARAUA. FIRST BILBAO, Azaroak 20

- | | | |
|-------|---|--|
| 10:00 | TTPs: ¿intel? ¿prácticos? ¿inútiles? <ul style="list-style-type: none">• Mikel Gastesi
Senior Threat Analyst. Countercraft | |
| 10:30 | Medida de eficiencia de soluciones para riesgos de sistemas industriales usados en infraestructuras críticas de agua (ENG) <ul style="list-style-type: none">• Gerard Vidal
Enigma | |
| 11:00 | Erakusketa-gunea | |
| 11:30 | KAFEA | |
| 12:00 | Keynote: "Cómo construir un modelo de ciberseguridad resistente ante un escenario de incertidumbre". | |
| 12:45 | Don't try to steal from a malware analyst or this will happen... (ENG) <ul style="list-style-type: none">• Mariano Palomo
Malware | |
| 13:15 | Digital Surveillance of election campaigns (ENG) <ul style="list-style-type: none">• Adrián Antón
Cybersecurity | |
| 13:45 | BAZKARIA – NETWORKING-a | |
| 15:15 | Massive Cloud Compromise (ENG) <ul style="list-style-type: none">• Carlos Sánchez
CERT and Cybersecurity | |
| 15:45 | Buscando Amenazas con Carmen y Claudia <ul style="list-style-type: none">• Ramón Sáez
CCN-CERT | |
| 16:45 | EuskalHack Social Engineering Capture The Flag (ESP) <ul style="list-style-type: none">• Angel Alonso
Chief Information Officer en Dikar S.Coop. | |

PROGRAMA FIRST BILBAO, 21 de Noviembre

- 09:00h** Keynote: engineering out the cyber risk to protect what matters most (ENG)
- 10:00h** Hunting threats with Open Source Tools.
- **Alejandra Ventura**
Cybersecurity researcher. INCIBE
- 10:30h** shinigami@home. (ENG)
- **Xavier Panadero**
Director of the CERT. CESICAT
 - **Alberto Magallon**
Head of Threat Analysis. CESICAT

11:30h DESCANSO



- 12:00h** Protección de CAD y Propiedad Intelectual en la Cadena de Suministro (ENG)
- **Luis del Valle**
CEO. Sealpath
- 12:30h** Nuevas tecnologías para el desarrollo y la securización del IOT Edge
- **Pablo Estevan Fernández**
RSA Security
 - **Jonathan Hurtado**
Dell
 - **Alicia Peña Guirado**
Systems Engineer

Osteguneko saioen AMAIERA (azaroak 21)

ZIBERSEGURTASUN INDUSTRIALA

azaroak 20

10:30 - 18:00h. aretoa C2

Tailerrean landuko diren gaiak:

- Automatizazio industrialeko teknologiak eta eszenatoki arriskutsuak.
- Erabilpen industrialeko kasu bat.
- Diagnostikoaren ezaugarriak.
- Metodologia eta elkarrizketak.
- Diagnostikoaren ezaugarriak.
- Sistemen diagnostikoa.
- Segurtasun fisikoaren diagnostikoa.
- Hirugarren zatien diagnostikoa.
- Diagnostikoaren txostena eta txostenaren aurkezpena.
- **José Valiente**
Zibersegurtasun Industrialeko Zentroko zuzendaria eta Koordinazio eta Komunikazio arduraduna.
- **Javier Zubieta**
GMVko Zibersegurtasun Negozioaren Garapeneko arduraduna eta Zibersegurtasun eta Pribatutasun Masterreko irakaslea Rey Juan Carlos Unibertsitatean.

Gela teknologikoak

Azaroak 21 osteguna
Gela 1. aretoa-C2

09:00 - 11:30
BIG DATA & IOT ARKITEKTURAK

Denbora errealean, datuak bildu, aztertu eta kudeatzeko edge/fog computing paradigma bezalako IoT kontzeptuak aurkeztuko dira, baita, Big Data arkitekturen diseinuaren eta hedatzearen eta bere implementazioa ahalbidetzen duten teknologiaren beste oinarrien, esaterako DevOps edo Cloud-en gako nagusiak azaldu ere. Teknologia, aplikazio industrial desberdinen testuinguruan azalduko dira (ekoizpena, trazabilitatea, mantentze prediktiboa, energiaren kudeaketa...).

"Industriarentzako Plataforma Digitalak. Teknologia eta erronkak"

- **Jon Kepa Gerrikagoitia**
IKT eta Automatizazioko ikerketa taldearen arduraduna. IDEKO

"Datuak kudeatzeko eta negozioa hobetzeko arkitekturak eta teknologia elikagaien industrian"

- **Aitor Arnáiz**
Informazio Sistema Adimendunen unitateko zuzendaria. TEKNIKER

"DevOps + Big Data: Azpiegitura arina"

- **Josu Díaz de Arcaya**
High Performance Architectures/ICT-Optima taldeko ikertzailea. TECNALIA.

"Elastic Stack – Real Time monitorizazioa erraztuz"

- **Juan López de Armentia**
Data Engineer. TECNALIA

"Datuen maneia Big Data Analytics plataformetan"

- **Ana I. Torre-Bastida**
Optima (ICT) arloko High Performance Architectures plataformako teknologoa. TECNALIA.

"Datu Plataforma modernoetarako eboluzioa, Edge-to-Cloud continuum delakoa"

- **Ángel Conde**
Data Analytics and Artificial Intelligence Espezializazio Taldearen arduraduna. IKERLAN.

"Datarobot eta adimen artifizialean oinarritutako antolakundeak"

- **Carles Campos**
Datuen arloko zientzialaria. DATAROBOT

12:00 - 13:30
5G & G & HARIRIK GABEKO BESTE KOMUNIKAZIO BATZUK

5G teknologiek beste belaunaldien aurrean azaltzen dituzten ezaugarri bereizgarriak azalduko dira, ezaugarri berezi hauei etekina ateratzen dieten erabilera industrialen kasu desberdinak deskribatuz eta arakatuz.

5Gari buruzko sarrera. 5G teknologiaren abantailak 4.0 Industriarako"

- **Iñigo Arizaga**
IKT Saileko Teknologia Zuzendaria. TECNALIA

Tecnologías LPWAN: comunicaciones de bajo consumo para el IoT industrial"

- **José R. Juárez-Rodríguez**
IoT eta plataforma digitalen arloko ikertzailea. IKERLAN

"Oso banda zabaleko eta/edo latentzia baxuko komunikazioak: 4.0 Industriarako aplikazioak"

- **Igone Velez Isasmendi**
Informazio eta Komunikazio Teknologien saileko Zuzendaria. CEIT

Gela teknologikoak

Azaroak 21 osteguna
Gela 2. aretoa-C3

09:00 - 11:30
BIKI DIGITALAK

Aktibo fisikoen ihardespen digital batek, gailu baten bizitza ziklo osoan zehar ematen diren eskenatoki desberdinetan, gailua nola aritzen den inguruko informazioa nola aprobetxatu dezakeen, produktu eta prozesuen garapen, hobekuntza eta optimizaziorako, baita aktibo horien operazio eta mantentzerako ere. Sektore eta esparru industrial desberdinetan kontzeptu honen aplikazio desberdinak erakutsiko dira.

Biki digitalak, aktiboen fidagarritasuna eta bizitza erabilgarriaren luzapena hobetzeko "

- **Félix Martínez Noguera**
Mekanika arloko arduraduna IKERLAN

"Virtual Commissioning sistemak garatu eta prestatzeko simulazio-ereduak"

- **Ion Iturbe**
ikertzailea. TEKNIKER

"Digital twin'-en aplikazio industrialak. Investment casting eta HPDCri buruzko kasu praktikoak"

- **Eva Anglada**
ikertzailea. TECNALIA

"Automobilgintzako segurtasunerako osagai kritiko perfektuak lortuz, metalei aurreikusitako portaeraren monitorizazio eta simulazioaren bitartez"

- **Javier Nieves Aceso**
ikertzailea. AZTERLAN

"Nola egin diezairoke balio-ekarpena biki digital batek nire enpresari"

- **Jokin Rubio**
Fidagarritasun eta 4.0 Mantenimendu Taldeko Zuzendarikidea. TECNALIA

12:00 - 13:30
FABRIKAZIO ADITIBOIA

Fabrikazio aditiboak, erabilera kasu anitzetarako material mota desberdinak erabiltzen dituzten lanei bideratutako makina bat teknologia bane hartzen ditu.

"Gasaren atomizazioaren bidezko hautsen fabrikazioa, fabrikazio aditiborako".

- **José Manuel Martín García**
Investigador. CEIT.

"Binder Jetting bidezko Fabrikazio Aditiboa: konplexutasun handiko pieza metalikoak kostu txikiagoan fabrikatzeko modu berriak".

- **Iñigo Agote**
Sektore Aeroespazialeko Negozio-Arloko Ikertzailea.

"SLMren bidezko fabrikazio industrialak. Kalitatea segurtatzea xede duten arrakasta-kasuak eta soluzio digitalak"

- **Miriam García González**
Europar proiektuen arduraduna. LORTEK

"LMD (Laser Metal Deposition) oinarri duen fabrikazio aditiboaren garapenak eta aplikazioak "

- **Pedro Ramiro**
Fabrikazio aditiboko prozesuei buruzko ikertzailea TECNALIA

"Egituren fabrikazio aditiboa metalezko hariaren ekarpena oinarri duen LMD teknikaren bitartez"

- **Carlos Soriano Reyes**
Ikertzailea TEKNIKER

"Metaletarako ekarpen-tasa handiko fabrikazio aditiboa: WAAM teknologia"

- **Haize Galarraga**
Fabrikazio aditiboaren arloko arduraduna. TECNALIA

Adimen Bisualari buruzko Tailerrak

Azaroak 20, 21
aretoa - GAIA

GAIA Elkarteak tailer praktikoak eskainiko ditu osoko bilkurak egiten diren bitartean. Tailer horietan aztertuko da nolako gaitasuna duten gamifikazio teknologiek industria baten fase desberdinetan:

- Errealitate birtuala - Errealitate areagotua - Simulazioa

Tailerretako leku kopurua mugatua da, eta parte-hartzaileek aukera izango dute hainbat enpresatan erabiltzen diren aplikazioekin esperimentatzeko eta aztertzeko zer erabilera eman dakiekeen gamifikazio teknologiei euren antolakundeetan.

ASTEAZKENA, AZAROAK 20

15:15-17:30

15:15-16:00

1. tailerra: Diseinuari aplikatutako ikus-adimena"

- Santiago Córdoba Rodríguez
CEO- BINARY SOUL.

16:00-16:45

2. tailerra: "Soluzio aurreratuak, errealitate areagotuan eta birtualean oinarrituak, 4.0. industriarako, arlo garrantzitsuetan aplikatuta, hala nola trebakuntzan, mantentze-lanetan, fabrikazioko digital twins-etan eta kalitate-kontrolan"

- Idoia Salsamendi Arambarri
Marketing Manager- INNOVAE AUGMENTED REALITY

16:45-17:30

3. tailerra: "Eraldaketa digitala, gizon-emakumeen harrera hobetzeko"

- Jaime Gorospe Díaz
Berrikuntzako zuzendaria - TAK LEARNING

OSTEGUNA, AZAROAK 21

9:15-13:15

09:15h-10:00h

4. tailerra: "Ikus-adimeneko soluzio teknologikoak laneko arriskuei, entrenamenduari eta trebakuntzari egokitutako edukiak birtualizatuz eta murgiltzeen bidez digitalizatuz"

- Emiliano Garayar Gutierrez
CEO - SOLID VIRTUAL.

10:00h-10:45h

5. tailerra: "I+Ga LHN: Harrobia Ikastola, Industria -Irizarren bidez-, Basurtuko Ospitalea eta Last Tour"

- Ander Mendia Echeverría / Josu Cobelo Echeverría
HARROBIA IKASTOLA

10:45h-11:30h

6. tailerra: "Murgiltze-aretoak, industria-prozesuak optimizatzekeo"

- Maria Madarieta Elordi
Bezeroen kudeatzailea - VIRTUALWARE

10:45h-11:30h

7. tailerra: "Instalazioko aktiboak kudeatzea industria-instalazio baten bizi-ziklo osoan"

- Lander Amorrortu Castrillo
CEO - AGLA4D

ERAKUSLEAK

1. BASQUE RESEARCH AND TECHNOLOGY ALLIANCE (BRTA)
2. BASQUE DIGITAL INNOVATION HUB (BDIH)
3. ABB: ASEA BROWN BOVERI
4. ACCENTURE
5. AFM + GAIA
6. AMIE CONSULTING
7. ARPA A&C, S.L.
8. ARUBA
9. ATELEI
10. AZTI
11. AWEN COLLECTIVE
12. BE DIGITAL
13. BECKHOFF
14. BECLEVER SOLUTIONS
15. BIZINTEK
16. BULLHOST
17. CARLO GAVAZZI
18. CFAA
19. CEIT
20. CTECHNANO
21. DELL | INTEL
22. DELTAGON
23. DIFFERENGIN
24. DOMEINUAK
25. ELEKTRA
26. ELKARGI
27. ENCRIPTIA: INTELIGENCIA CORPORATIVA Y SEGURIDAD SVC
28. ENERGYGUNE
29. ENERGYSEQUENCE (BY BETTERGY)
30. ENGIDI
31. ENTELGY INNOTEC SECURITY
32. ESLE (ASOC EMPRESAS SOFTWARE LIBRE)
33. EUSKALTEL
34. FERCHAU
35. FLYTHINGS
36. FORTINET
37. GAIKER
38. HDIV
39. HMS NETWORKS
40. HP PRINTING AND COMPUTING SOLUTIONS
41. IBERMÁTICA
42. IDEKO
43. IKERLAN
44. IMMERSIA
45. INNOVAE AUGMENTED REALITY
46. INTEGRAL PLM
47. IOMED
48. ITS-SECURITY
49. JAKINCODE
50. KOLBI ELECTRONICA
51. KEYNETIC TECHNOLOGIES
52. LORTEK
53. LKS
54. LUDUS
55. MONDRAGON UNIBERTSITATEA
56. NANOGUNE
57. NARU
58. NEOSENTEC
59. NEURON
60. NTT/DIMENSION DATA
61. OPEN CLOUD FACTORY
62. OMRON ELECTRONIS IBERIA, SAU
63. OPEN SYSTEMS
64. ORETEK
65. PANDA
66. PATIA
67. PERSEI VIVARIUM
68. PERSEUS
69. PLAIN CONCEPTS
70. PWC
71. P - X SYSTEMS
72. REDBORDER
73. SAE - ASOCIACIÓN VASCA DE PROFESIONALES DE SEGURIDAD
74. SARENET
75. SCHUNK
76. SECURE & IT PROYECTOS
77. SEMANTIC SYSTEMS
78. SERMICRO (SUMINISTROS IMPORTACIONES Y MANTENIMIENTOS ELECTRONICOS)
79. SERNIVEL 3 S.L.
80. SISTEPLANT
81. SOFTWARE AG
82. TALIO
83. TECNALIA
84. TEKNIKER
85. TUMAKER
86. TYRIS AI
87. UNIVERSIDAD DE DEUSTO
88. UPV/EHU
89. VELTIUM
90. VERSIA
91. VICOMTECH
92. VIXION
93. VTT
94. WITRAC
95. XABET
96. ZYLK

HIZLARIAK



Ana Ayerbe
TRUSTECH Negozio Arloko
zuzendaria TECNALIAN.

Ana Ayerbe is the Manager of TECNALIA TRUSTECH Business Area where she works in trying to create trust in the digital and hyperconnected world developing technology to reinforce the digital immunological system of companies and society. She is enthusiastic of new technologies like the Internet of Things, Distributed Ledgers and Artificial Intelligence and the challenges and opportunities they offer related to Cybersecurity. Member of the Board of Directors, Strategic Committee and Partnership Board of ECSO, member of the Strategic Board and Board of Director of EOS and RENIC Board of Directors, in 2019 she has also taken part in the Expert Committee for the elaboration of the Spanish Cybersecurity National Strategy. Finally, Ana is mentor of the INSPIRA STEAM project that tries to stimulate scientific and technological vocations among girls and member of the Council of the WOMEN4CYBER initiative.



Alberto Abella
COTEC, Director - Desidedatum

Alberto Abella is the PhD in Business (open data) and a Telecommunications Engineer and a Master in Total Quality Management, in Business Administration and in business organization. He is an evaluator of European data projects and participant in several projects on innovation and data use with artificial intelligence. He works as Senior manager at desideDatum in the business lines of data, data-reusability, open data, big data .. He is a researcher in the fields of reusability of information, open data, big data, in different environments such as Smart cities. He has also researched in the field of citizen experience. He has been founder and is a member of the board of directors of the Barcelona Open data Initiative.



Andrew Bochman
Senior Grid Strategist - US
Dep. of Energy

Andy provides strategic guidance on topics at the intersection of critical infrastructure security and resilience to senior U.S. and international government and industry leaders. Before joining INL, he was a USAF communications officer, was the Global Energy & Utilities Security Lead at IBM, and a Senior Advisor at the Chertoff Group in Washington, DC. A subject matter expert listed with the U.S. State Department Speakers Bureau, he recently trained Black Sea and Balkan region energy regulators on cyber-physical cybersecurity. His most recent publications include "The Missing Chief Security Officer" (CXO) and "The End of Cybersecurity" (HBR), and "Supply Chain in the Software Era" (Atlantic Council).



Daniel Madrid

Director of Information Security & Risk Management para Iberia - Gartner Consulting

Daniel Madrid is the Director of Information Security & Risk Management for Iberia at Gartner Consulting. He has more than 17 years of experience in consulting on technological risk management and cybersecurity, mainly strategic (Development of Security Master Plans, Definition of Organisational Security Models, Risk Management, Reporting to Senior Management, etc.).

Throughout his career, he has acquired extensive knowledge in the following industries: Banking, Public Sector, Manufacturing, Consumer Goods and Distribution, Health and Pharma, among others. He is a CISSP, CISA, CISM, CRISC and ISO 27001 Lead Auditor.



David González

Industrial Security Team Leader - IKERLAN

David González, is an Automation and Industrial Electronics Engineer from Mondragon University (2005) and has a Master's degree in Signal Processing and Communications from the University of Edinburgh (2006). He has been a Researcher at the technological centre IK4-IKERLAN since 2007 and has served as head of the Cybersecurity in Embedded Systems research team since 2016. He has accumulated more than 10 years of experience in the design and development of embedded platforms for the health and energy industries. He has participated in R+D projects for companies, being responsible for collaboration in the aerogeneration sector and contributing to the development and maintenance of a wind turbine supervision and control system with real-time requirements, functional security and cybersecurity. In the past, he led research activities in well-known platforms, focused on new hardware architecture, virtualisation and mixed criticality systems and participated in various research projects at the national and European level.



Godfrey Gaston

Director - Centre for Secure Information Technologies

Dr **Godfrey Gaston** graduated with a MEng degree in Electrical and Electronic Engineering at Queen's University Belfast (QUB), UK followed by a PhD at The University of Edinburgh.

He spent a number of years working for GEC Plessey Semiconductors and Engineering Manager for a technology start-up, BCO Technologies, followed by Analog Devices.

Godfrey is currently Director of the Centre for Secure Information Technologies (CSIT), based at Queen's University Belfast (www.csit.qub.ac.uk). He has expertise in commercialisation within an open innovation research environment. His current interests include the creation of cyber innovation ecosystems and linking these systems up internationally.

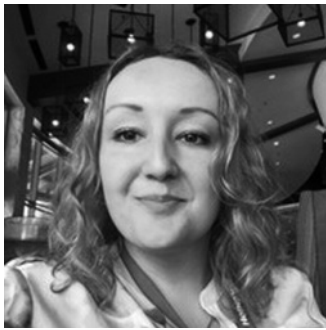
Godfrey has also completed an MBA from Henley Management College, London and is co-founder of cybersecurity startup company, Titan IC.



Katie Stebbins

Vice President of Economic Development - University of Massachusetts

Katie Stebbins is the vice president for economic development for the University of Massachusetts, a five-campus, 75,000-student public research university system, based in Boston. Katie represents the University in state competitiveness initiatives such as cybersecurity, life sciences, clean energy, robotics and advanced manufacturing. She serves as a liaison to the business community, establishing and growing research and workforce development partnerships to benefit the University and the Commonwealth of Massachusetts. Katie also oversees the Office of Technology and Commercial Ventures, the UMass Donahue Institute, and is the founder of the Massachusetts Cyber Education Training Consortium (CETC), a consortium of 35 colleges and universities offering cyber degrees. Katie was previously Assistant Secretary for Technology, Innovation and Entrepreneurship for the Commonwealth of Massachusetts, where she led state investment efforts in health-tech, robotics, advanced manufacturing and cyber security. A 20-year veteran of public service and economic development, Katie has launched three of her own companies, and actively mentors youth seeking career pathways. Katie earned her bachelor's degree from the University of Colorado at Boulder and a master's from the University of Massachusetts at Amherst.



Marina Krotofil

Senior Security Engineer- BASF

Marina Krotofil is an Industrial Control Systems (ICS) Senior Security Engineer at a large chemical company. The last decade she spent on specializing on offensive ICS security such as discovering and weaponizing unique attack vectors, engineering damage scenarios, developing exploits and understanding attacker techniques when exploiting ICS. Offensive security skills serve Marina well during incident responses and forensic investigations, ICS malware analysis and when engineering defenses. She previously worked as a Principal Analyst and Subject Matter Expert (SME) in Cyber-Physical group at FireEye (USA), Lead Cyber Security Researcher at Honeywell (USA) and as a Senior Security Consultant at the European Network for Cyber Security (Netherlands). She authored more than 25 academic papers and book chapters on ICS security and is a frequent speaker at the leading security events around the world. She holds MBA in Technology Management, MSc in Telecommunication and MSc in Information and Communication Systems.



Nuria Oliver

Nuria Oliver es Chief Data Scientist en Data-Pop Alliance y Chief Scientific Advisor para el Vodafone Institute

Nuria Oliver es Chief Data Scientist en Data-Pop Alliance y Chief Scientific Advisor para el Vodafone Institute. Es ingeniera superior de Telecomunicación por la UPM y doctora por el Massachusetts Institute of Technology (MIT) en Inteligencia Perceptual. Tiene más de 20 años de experiencia investigadora en MIT, Microsoft Research (Redmond, WA) y como primera directora científica (mujer) en Telefónica I+D y en Vodafone.



Oscar Lázaro

Innovalia Association

Prof. Dr. Oscar Lazaro is Managing Director of Innovalia Association, the Associated Research Lab founded by the Innovalia Alliance. Innovalia develops technology in the fields of E2E cybersecurity (chip to cloud), quality assurance for high performance IoT/CPS systems, mobile 3D visualisation and AI / big data analytics. Innovalia develops global products such as calibration artefacts,



Roni Zehavi

CEO - Cyberspark

In the past 5 years Roni has lead CyberSpark, an industry initiative, created to advance research and development of cyber solutions in Beer-Sheva, and has turned it into a leading brand globally. Roni has more than 15 years of proven success in the entrepreneurial Hi-Tech arena, integrating highly-innovative and multidisciplinary technologies into sellable products.



Samuel Linares

Managing Director Europe and Latin America ICS Security Lead for Energy, Utilities, Chemical and Natural Resources

Samuel Linares is Managing Director, Europe and Latin America ICS Security Lead for Energy, Utilities, Chemical and Natural Resources at Accenture, Independent Evaluator at European Commission, CIIP Expert at ENISA (European Network and Information Security Agency) and member of ISACA Global Cybersecurity Task Force. With more than 2 decades of security, system integration and multinational and multicultural projects management experience,



Francisco Huertos

Ikertzailea - LORTEK

2016 Master's degree in Systems and Control Engineering; U. Complutense of Madrid (UCM) and UNED.
2002 Degree in Automation and Industrial Electronics Engineering; Mondragon University (MU)
1999 Technical Industrial Engineering Degree in Electronic Engineering; University of the Basque Country / Euskal Herriko Unibertsitatea (UPV/EHU). Jul. 2018 – Present: Senior Researcher at IK4-LORTEK: Process control for welding and laser fabrication in the Control and Assessment area.



ERIC MARTIN

Chapter Lead - PLAIN CONCEPTS

AI Chapter Lead en Plain Concepts. Apasionado de la Inteligencia Artificial. Siempre tratando de estar a la última en todo lo relacionado con el Cloud, algoritmos, tecnologías y predicciones.



Iñaki Grau

Eragingarritasun energetikoko arduradun teknikoa - GESTAMP.

Iñaki Grau has a degree in Industrial engineering (specialising in electricity). He obtained a Master's degree in Renewable Energy and Distributed Generation in Edinburgh and a PhD at the University of Cardiff, where he wrote his thesis on the management of electric vehicle battery charging and microgeneration. During his PhD, he was in charge of the University of Cardiff's participation in several European projects: EU projects Mobile Energy Resources in Grids of Electricity (MERGE) and Distributed Energy Resources Research Infrastructures (DERri).



Eduardo Novoa

LKS, S.Coop. Zuzendari komertziala

Telecommunications Engineer with +20 years of experience in consulting and business development through the implementation of IT technologies for business transformation. Providing business strategy skills, solution design, sales execution and management of IT projects in the following areas: Strategic IT Planning, Industrial Digitalisation, ERP, CRM, HCM, Business Intelligence, IoT and Mobility, among others.



Iñigo Losada

SARENET. Ingeniaritza Saileko arduraduna

SAREIN SYSTEMS DEPARTMENT 2015-2017 Managing local GNU/Linux networks, firewalls and teaching courses on GNU/Linux, virtualisation and conducting security audits with Zeed Security EAIS software.



Jabier Patiño Rodríguez

MC APLICACIONES. Negozio- garapen arduraduna

Industrial Engineer (University of the Basque Country) and has an MBA (Boise State University), with more than fifteen years of experience in the US and the Basque Country inspecting industrial plants as well as process improvement and automation consulting. Teaches classes in SmartGrid at UPV.



Nora Etxezarreta

IBERMATICA. Consultora Smart Manufacturing y Big Data

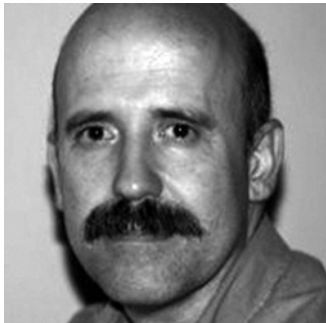
- Honours Degree Program at Center for Digital Technology Management (CDTM), Munich
 - M. Sc. Electrical Engineering and Information Technology, Technical University Munich
 - Grado en Ing. Tecnologías Industriales Tecun.
 - Participante en Mesa Redonda en Asamblea Anual de GAIA
 - Presentación de 30 minutos sobre Smart OEE Analytics en Hannover Messe
 - Impartí curso de Big Data y Machine Learning en Universidad de Murcia
-



David Marco

ACCENTURE. OT Security Manager

I have worked in the Industrial Cybersecurity field for more than 10 years. I started implementing cybersecurity measures in Oil&Gas projects with Técnicas Reunidas for clients such as SABIC, ARAMCO, GALP, PEMEX, PETRONAS, BOROUGE, GALP, etc



Jesús Ángel Bravo

CAMP TECNOLÓGICO. CEO

Degree in Physics from UPV/EHU, founder of Softec and 10 more companies in the technology sector. Since 2001, he has been promoting the Camp Tecnológico, a project that provides technology training from an early age. In 2019, Camp Tecnológico created the Business Robotics line as an official Spanish Partner of Cobot manufacturers (Collaborative Robots), Franka Emika from Germany and Dobot from China and the manufacturer of Rochu pneumatic silicone grippers specialised for Food Industries, Laboratories, Textiles.



Juan Carlos Martínez
AMAZON WEB SERVICES. Business
Development Manager IoT

PhD in physics with ten years of experience in the design and development of business applications in SAP and cloud. Specialises in management strategies and distribution of business master data. Consolidation and harmonisation of master data. Currently serves as specialist in the application of IoT solutions integrated with AWS to industrial processes, machine tools, being involved in the most cutting-edge uses.



Javier Ferrer
WITRAC. CEO

Javier Ferrer is an entrepreneur and businessman from Valencia, graduated with a degree in Industrial Engineering from the Polytechnic University of Valencia and specialised in the management of manufacturing systems. Also an expert in the design of digital business transformation processes, Javier Ferrer has led strategic consulting and business development projects for multinationals in the food, industrial and logistics sectors, among others, for more than 10 years.



Jose Antonio Lorenzo
LANTEK SHEET METAL SOLUTIONS, S.L.
R&D Team Architecture and Software
Development Engineer

Jose Antonio Lorenzo has a PhD in Physics with more than 10 years of experience developing technological innovation projects through hardware and software development.



Miguel Ángel Barea
Identitate Digilata Saileko zuzendaria

Miguel Angel Barea is Director of the Digital Identity Area at Inycom. More than 20 years of experience in the management of electronic signatures and certificates, PKIs, timestamps, Certification Authorities Administration, smart cards and electronic invoicing systems. Since 2017, he has participated in the design of digital identity solutions applied to blockchain technologies, among others.



Jaume Homs

HP 3D PRINTING IBERICAko salmenta arduraduna

Jaume Homs is the Sales Manager of HP's 3D Multi Jet Fusion Business. This position includes Spanish and Portugal responsibility of management and sales of HP's 3D Printing Multi Jet Fusion line of solutions. Main team is based in Barcelona, Spain.

Jaume joined HP in 2002 in the R&D organization as a software engineer and project manager. Since then he has held different positions in R&D, Marketing, Sales and Business Management.



Roquefere Romain

HUPI IBERICA. Bazkide sortzailea

Co-Founder: HUPI and HUPI IBERICA: Software Company specialized in Artificial Intelligence since 2013-Laureate of the 1st edition of the BIND 4.0 program. 20 years of international experience in Technology and Strategy Consulting in Global Firms Education. Engineering Degree: top French Engineering School (1998). MBA in Strategy: one of the 10 best MBA programs in the world (2004) Conference. 20+ conferences ran for Chamber of Commerce, 4 years teacher in engineering and business schools.



Cesim Demir

HUAWEY. CTO Manufacturing & Automotive Solutions

I am a German Citizen, I hold Master's and PhD degree in electrical engineering from Germany. After having my PhD with BMW in the area of modelling and simulation of vehicle behavior. I started my career in 2000 in Germany at Daimler AG as development engineer for ECU development, InCar diagnosis applications and ECU embedded software. I joined end 2017 Huawei and currently based in Munich/Germany. I am covering the solutioning and business development lead role for manufacturing space in Western Europe.



Santiago Perez

NTT. GTM-Digital Infrastructure (ESP)

Computer Engineer with more than 15 years of experience in the telecommunications sector, specializing in Data Engineering.



Amanda Wallace

JP Morgan. Managing Director

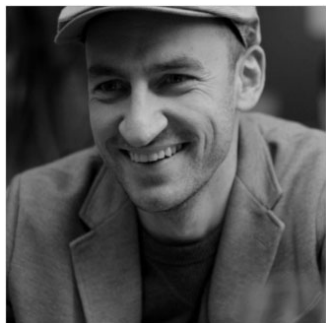
Amanda Wallace, Managing Director, is the Head of the Fund Execution Team in the Infrastructure Investments Group, the group within J.P. Morgan Asset Management that is responsible for the development and administration of infrastructure products, including investment acquisition and asset management processes. Before joining the firm in 2014, Amanda provided legal and financial consulting services to a variety of clients, including multiple infrastructure focused funds in different stages of development.



Nina Hasratyan

Policy Manager & Liaison with Stakeholders - European Cyber Security Organisation (ECSO)

Nina Hasratyan joined the European Cyber Security Organisation (ECSO) in February 2017, where she currently works on topics related to gender inclusion, education/awareness, transportation and public services in cybersecurity. She is the operational coordinator of the Women4Cyber initiative launched by ECSO to promote the participation of women in the cybersecurity field. Previous experience includes positions at Friends of Europe, a European think tank, and the Mission of Armenia to NATO. Nina has a degree in international relations with a specialisation in security, peace and conflicts from the Free University of Brussels.



Tomas Netrval

CTO -Neuron Soundware

Since December 2017, CTO at Neuron Soundware, PRAGA – Czech Republic. Specialized in:

- » Quickly Launching and Delivering new Projects or Services
 - » Looking for "Business Niches" and how to fill them with right and modern IT Solution
 - » System Architecture & Data Integration
-



Gerard Vidal

CSO Enigmedia

Doctor in Physics, Master in Complex Systems and Master in Telecommunications Engineering. Founder of the industrial cybersecurity company Enigmedia. Alexander Fleming Award from the London Business School. More than 20 scientific publications in international journals. Associate Professor at the University of Navarra and University of Mondragón.



Mariano Palomo
Malware analys

Graduated with a Bachelor's in Computer Engineering from the University of Granada, passionate about Cybersecurity: reverse engineering, malware analysis and research to be more precise. Currently working as a Malware Analyst at Entelgy Innotec Security together with other experts in the field.



Adrián Antón
Cybersecurity analys

As a CSIRT-CV security analyst, I am interested in the geostrategic part of the security and in the search of the social motivations behind each attack. I am also attracted to malware in general (analysis and development) and exploiting.



Emiliano Garayar Gutierrez
CEO - SOLID VIRTUAL

Zuzenbideko lizentziaduna, Deustuko Unibertsitatea (1989). Graduondoko ikasketak Sorbonako Unibertsitatean (Paris, 1990)

25 urtetik gorako esperientzia profesionala abokatu gisa. Horietako hamabost Gómez-Acebo & Pombo enpresan izan ziren. Goi-zuzendaritzako postuak izan zituen bazkide gisa, eta, azken hamar urteetan, abokatu independenteen proiektu bat garatzen aritu zen.



Angel Alonso
Chief Information Officer en Dikar S.Coop.
y miembro de la asociación de seguridad EuskalHack

Chief Information Officer en Dikar S.Coop. y miembro de la asociación de seguridad EuskalHack. Ha participado activamente en la organización de EuskalHack Security Congress durante las últimas tres ediciones, y ha sido el principal impulsor de EuskalHack SECTF 2019.



Carlos Abad

Anaging director of the ZIUR Foundation

With more than 12 years of experience in the ICT industry (in sectors where coexistence between IT/OT is necessary), he currently holds the position of Managing Director of the ZIUR Foundation, Gipuzkoa Advanced Industrial Cybersecurity Centre. Its purpose is the start-up and launch of the Centre, deploying a strategy focusing on reinforcing the capacities of the industrial sector in Gipuzkoa in the area of applied industrial cybersecurity, according to the general framework of the Gipuzkoa Provincial Council.



Endika Gil-Uriarte

Chief Scientific Officer de Alias Robotics

Endika Gil-Uriarte es Chief Scientific Officer de Alias Robotics. Su background es académico, trabajó en la UPV/EHU. Lidera aspectos de innovación en Alias Robotics, actualmente IP en varios proyectos europeos y nacionales. Autor de publicaciones de impacto en el sector, además contribuye activamente a estandarización como experto nacional en TC 299 (Robotics).



Bernhard Dieber

JOANNEUM RESEARCH
Forschungsgesellschaft mbH

Currently heading the robot systems research group at ROBOTICS – the institute for robotics and mechatronics in Klagenfurt, Austria. His current research interests include robotics and especially software and security for modern robots. During Bernhard's PhD he has engaged himself in resource-awareness for visual sensor networks, smart cameras and computer vision. Bernhard's overall vision is to enable future robots to be a trustworthy part of our everyday life.



José Valiente

General Manager and Manager of
Coordination and Communication at the
Industrial Cybersecurity Center

With more than 20 years of experience working in consulting firms, such as Davinci Consulting and Tecnomcom, involved in Security and IT projects. José is an expert in project management for large companies and public administrations. He has lead ISMS implementation projects for IBEX 35 companies and public administrations, working with top-level security teams. He has extensive knowledge of ITIL and PMI and experience in providing training to companies in the industrial sector and public administrations.



Javier Zubieta

business development Manager of Cybersecurity at GMV and professor in the Cybersecurity and Privacy Master's program

With more than 20 years of experience in Cybersecurity, Javier currently directs GMV's positioning around Protection of Critical Infrastructures and Cybersecurity in Industrial Environments. He has previously been Director of Business Development of Security and Optimisation, CISO at Unitronics, also developing part of his professional career at SIA and CERN.



Iñigo Legua Eguidazu

Global CIO en Sidenor Aceros Especiales S.L.

Degree in Business Administration and Management from the University of the Basque Country and trained by the IE Business School in the Advanced Management Program (AMP), Executive Education in the 2015 edition.



Seda Tosun

Co-Founder & CEO at Immersia

Passionate about emerging technologies, Seda has dedicated her business career to helping industrial companies grow internationally. In 2017, Seda focused on improving production processes and the digitalisation of the industry, specialising in the use of digital twins through the company Immersia.



Jon Martínez García

Director of market intelligence at Inser Robótica S.A.

Degree in Automation and Industrial Electronics Engineering from the University of Deusto. Currently Head of Market Intelligence and New Products at Inser Robótica and Commercial Director and founding partner of SamyLabs, a company dedicated to the design, manufacture and marketing of 3D metal printers with SLM (Selective Laser Melting) technology.



Javier Diéguez
Director of the Basque
Cybersecurity Centre

Javier has worked for the Spanish multinational company Indra during 20 years where he reached managing positions in the Cybersecurity business area. Since 2005 he has specialized in cybersecurity for electricity companies and governmental organizations carrying out strategic advisory on Cybersecurity and managing large, complex technological projects for a variety of organizations. He has also collaborated with the Spanish Ministry of the Interior for Critical Infrastructure Protection.



Alejandra Ventura
Cybersecurity researcher in the field of
cyberintelligence technologies at INCIBE

Computer engineer from the UCLA with more than 10 years of experience working in the ICT sector, starting as developer in the private sector and with experience in project management and systems administration as well. Alejandra is currently working as a cybersecurity researcher in the field of cyberintelligence technologies at INCIBE.



Xavier Panadero
Director of the SOC/CERT
of CESICAT

Currently, **Xavier Panadero**, develops the function of Director of the SOC/CERT of the Information Security Center of Catalonia (CESICAT) for the prevention and protection of cyber threats and the early response to cybersecurity incidents in the Catalan public administration.



Alberto Magallón Sábado
Head of CESICAT

Currently, **Alberto Magallón**, develops the function of Head of Threat Analysis of the Information Security Center of Catalonia (CESICAT) for the prevention and protection of cyber threats and the early response to cybersecurity incidents in the Catalan public administration.

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Vice President Digital Trust Services - SGS

- **Thorsten Huelsmann**
CEO, Digital Hub Logistics Dortmund

- **Mikel Gastesi**
Senior Threat Analyst. Countercraft

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CEO and founder Hdiv Security

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CEO en SealPath

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Técnico de seguridad. REDIRIS

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- **Lars Nagel**
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- **Olatz Arregi**
HiTZ - Centro Vasco de Tecnología de la Lengua. UPV/EHU
- **Arantza del Pozo**
Vicomtech
- **Josu Aztiria**
Elhuyar

BIND 4.0 Startup Zone

Erakusketa eta topaketak BIND 4.0 programaren 2019ko edizioan parte hartu duten startupen eta industria teknologikoen artean.

- **ADDITIVE MANUFACTURING**

Natural Machines (Spain)

- **ARTIFICIAL INTELLIGENCE**

Accexible (Euskadi) | Artificial Vision (Euskadi) | BitPhy | Bleenco gmbh (Germany) | Conundrum (United Kingdom) | Dynargy (Euskadi) | Enerbrain (Spain) | Enerlogix Systems SL (Euskadi) | Kevo Technologies S.L. (Euskadi) | Mosaic Software SRL / PatchAI (Italy) | Relimetrics GmbH (Germany) | SummarizeBot (Latvia) | Xnext (Italy)

- **ARTIFICIAL VISION**

AllRead Machine Learning Technologies (Spain) | ASIMOB (Euskadi) | DevisonX (Egypt) | Ikustec Vision Systems Lab (Euskadi) | Inovako (Turkey) | Neurolabs (United Kingdom) | Nuavis (Euskadi) | Pix Force (Brazil) | Siali (Euskadi) | Siali / SigmaRail (Spain)

- **AUGMENTED / VIRTUAL REALITY**

3D Click (Spain) | Arthylen (Spain) | BlinkIn (Germany) | Gleechi (Sweden) | OROI (Euskadi) | Xoia Software Development (Spain)

- **BIG DATA / ADVANCED ANALYTICS**

Biodatup S.L. (Euskadi) | D&A Innovative Systems SL (Euskadi) | Data Value Management (Euskadi) | Graphext (Euskadi) | IntegraPdM (Spain) | LINQcase Industrial Solutions (Euskadi) | Metis Labs (United Kingdom) | Mobile Lean S.L. (Spain) | Taniwa Soluciones (Spain)

- **CYBERSECURITY**

Alias Robotics (Euskadi) | Ironchip (Euskadi) | OSANE Consulting (Euskadi) | Quadible (United Kingdom)

- **BLOCKCHAIN**

Community Labs (Spain)

- **DRONES**

Alerion (Euskadi)

- **INTERNET OF THINGS**

Alternative Energy Innovations SL (Spain) | Ancora (Spain) | AquaDAT (Euskadi) | Augmensys GmbH (Austria) | Barbara IoT S.L. (Spain) | Binary Soul (Euskadi) | Coollogger (Euskadi) | ELON (Euskadi) | Integra Factory (Spain) | Is It Fresh (Germany) | Sensing Tex (Spain) | Myruns Technology (Euskadi) | Nexmachina Solutions (Euskadi) | Purple Blob (Euskadi) | SpotLab (Spain) | Tagenea (Euskadi) | Tormesh (Euskadi)/

- **NANOTECHNOLOGY**

InoCure (Czech Republic) | Nucaps Nanotechnology, S.L.(Spain) | Teknan (Nantek Hub SL) (Euskadi)

- **ROBOTICS**

Deep Learning Robotics, Ltd. (Israel) | Nordbo Robotics (Denmark) | Smart Robotics (Netherlands)

BASQUE INDUSTRY 4.0

The meeting point **2019**

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