inpho'

Venture Summit

PHOTONICS AND BEYOND

OCTOBER 11-12, 2018

PALAIS DE LA BOURSE

BORDEAUX, FRANCE

EDITO

GEORGE UGRAS

ATPAC VENTURES
Managing Partner

Welcome to our new edition of **INPHO, Venture Summit**. Deep tech innovation is disrupting business models like never before unleashing new opportunities. We have always been about technology driven innovation and this year we hope to give you a fresh snapshot including innovations at the 'crazy' end of the spectrum. I am indeed privileged to chair this new edition and grateful to the members of the editorial committee who joined me in curating what we hope will be a thrilling experience. Through the years, this Bordeaux region public initiative has generated private investments and partnerships with global impact. We are counting on you as participants to once again make this happen in this beautiful setting, taking advantage of the unique gathering of entrepreneurs, corporate leaders and venture investors.

We are delighted to host you in Bordeaux. If you need any assistance during the conference please ask one of us. Now let's learn and help build the future.

CHAIRMAN

George Ugras previously worked as Managing Director at IBM Ventures, and previously at ACM, an early stage venture fund, where he was general partner and managed investments across big data infrastructure, cloud computing, and analytics.

He has lectured on entrepreneurship at Carnegie Mellon, UCLA, and Stanford and advised faculty on technology spin-offs at various universities. He also provides oversight to the Space Electronics Group at Caltech and NASA's Jet Propulsion Laboratory. He was a research fellow.

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PHOTONICS21

Photonics France | LA FÉDÉRATION FRANÇAISE DE LA PHOTONIQUE

STARTUP SESAME

ORGANIZED BY

cea CESTA

CCI BORDEAUX GIRONDE
Alliés pour entreprendre

ALPHA RLH
ROUTE DES LASERS & DES HYPERFRÉQUENCES

INFORMATIONS

PALAIS DE LA BOURSE

17 Place de la Bourse
33076 Bordeaux

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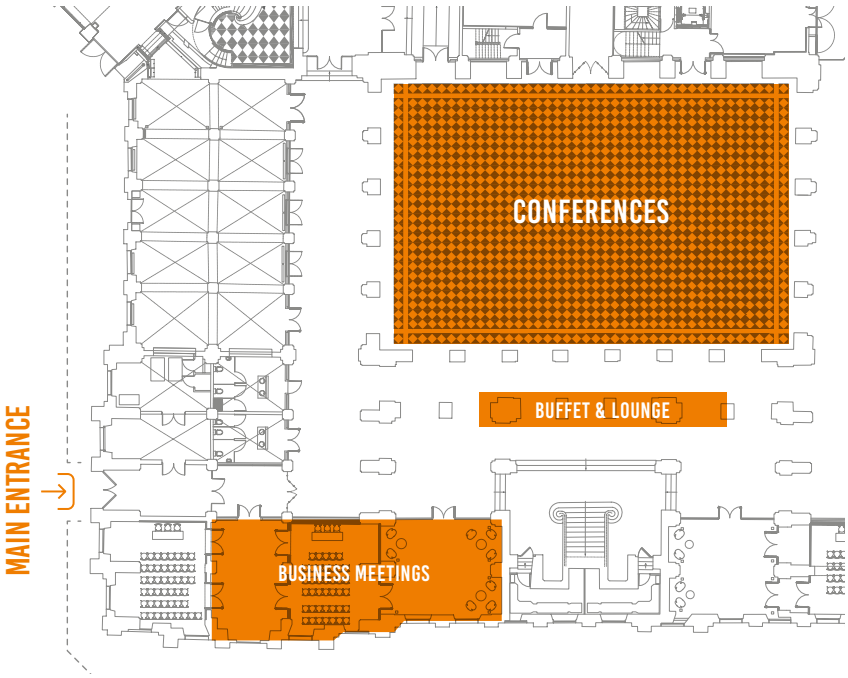
Password: inpho2018



CITÉ DU VIN

Esplanade de Pontac,
134 Quai de Bacalan
33300 Bordeaux

COCKTAIL

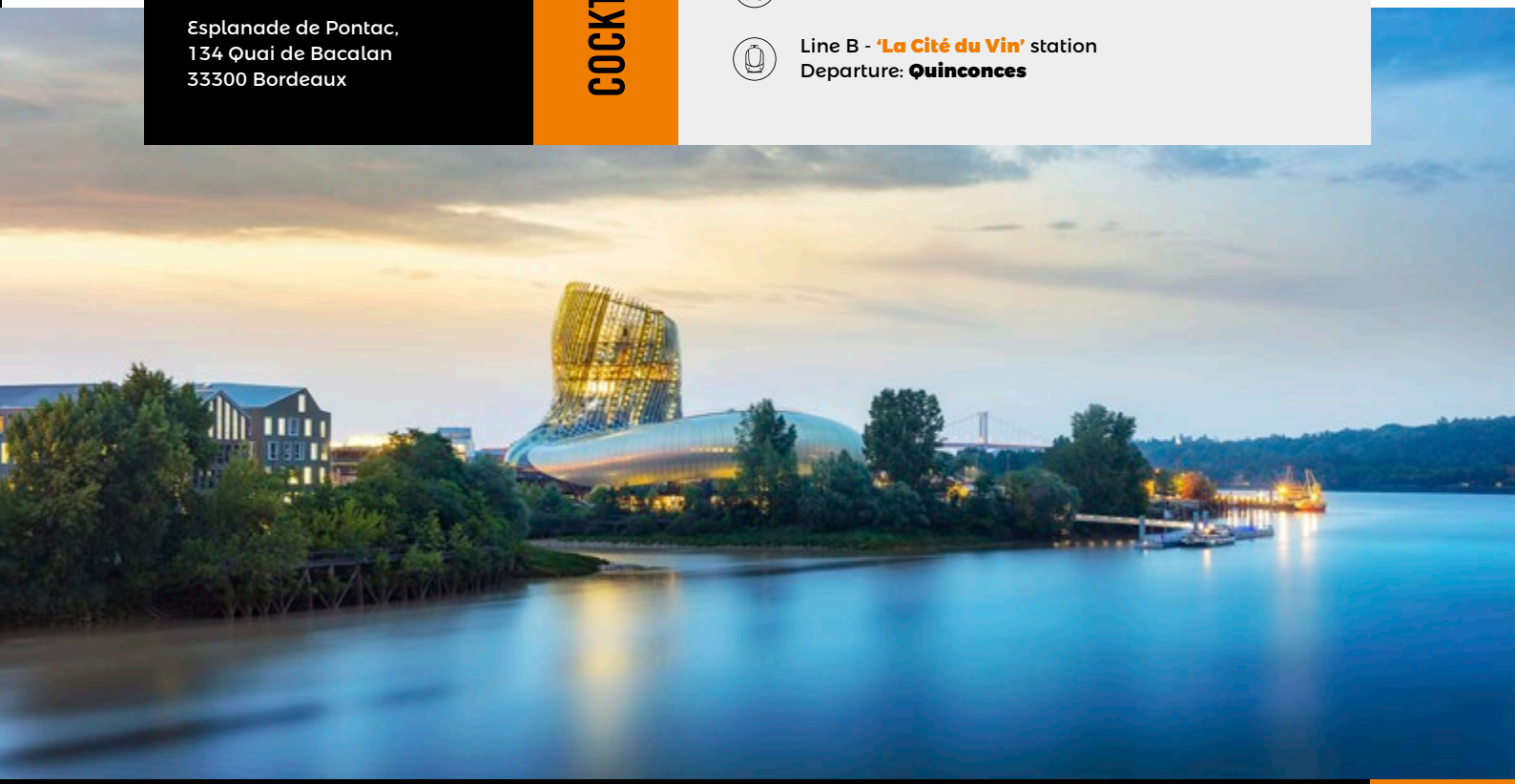
Thursday, 11th October, 2018

7:30 PM

THE BELVEDERE - 7TH FLOOR

20 minutes walk

Line B - **'La Cité du Vin'** station
Departure: **Quinconces**



SCHEDULE

Thursday, 11th October, 2018

DAY 1

12:55 PM

WELCOME ADDRESS

GEORGE UGRAS
ATPAC VENTURE
Managing Partner

1:10 PM

SENSING, DATA, AND SO WHAT?

MODERATOR
JEAN MARC BALLY
ASTER CAPITAL
Managing Partner

THEO MEERT
JOHNSON & JOHNSON
Senior Director External Innovation

OLIVIER BINET
KAROS
Co-Founder & CEO

ALEXIS NORMAND
WITHINGS
VP Healthcare

FRANCESCO BRENNA
IBM GLOBAL BUSINESS SERVICES
Executive Partner

2:00 PM

START-UP PITCHING SESSION

2:30 PM

VC PITCHING SESSION

3:00 PM

COFFEE BREAK

3:30 PM

CRAZY TECHNOLOGIES

MODERATOR
PAUL THURK
ARCH VENTURE PARTNERS
Managing Director

CAILABS
GLOWEE
MUQUANS
INSIGHTNESS
CELLSEEQ

4:15 PM

INVESTMENTS: NEW TRENDS IN THE HARDWARE INDUSTRY

MODERATOR
JEAN ROGNETTA
FORBES MAGAZINE
Editor in chief

EMMANUEL DE WATTEVILLE
BLUEOCEAN VENTURES
General Partner

JAN DENECKE
KODAKONE
Chief Executive Officer

AYMERIC RENARD
HARDWARE CLUB
General Partner

DEREK PROUDIAN
Investor

5:00 PM

1 TO 1 MEETINGS

7:30 PM

COCKTAIL DINNER

Cité du vin
Esplanade de Pontac,
134 Quai de Bacalan
33300 Bordeaux

DAY 2

8:30 AM

START-UP PITCHING SESSION

9:00 AM

UBIQUITOUS HIGH PERFORMANCE COMPUTING... WHY, WHERE AND HOW?

MODERATOR

CHRISTAN REITBERGER

Partner
BTOV

PHILIPPE DULUC
ATOS
CTO Big Data & Security

NICOLAS LETERRIER
SCHNEIDER ELECTRIC
CTO Building & IT

YANN BARBAUX
AIRBUS
Chief Innovation Officer

MICHEL CUI
ALIBABA CLOUD EUROPE
Head Of Mid Market & Internet Industry And Benelux Country Manager

9:40 AM

START-UP PITCHING SESSION

10:00 AM

COFFEE BREAK

10:30 AM

VC PITCHING SESSION

10:45 AM

INDUSTRIAL BLOCKCHAIN, WHAT'S NEXT?

MODERATOR

DIETER KRAFT

TRUMPF VENTURE GMBH
General Manager

HANS PETER DAUBEN
RHEINISCHE FACHHOCHSCHULE KÖLN
Senior Scientific Fellow

JÉRÔME GRILLÈRES
VECHAIN
General Manager Europe

ERIC BENHAMOU
BENHAMOU GLOBAL VENTURES
Founder & General Partner

JOHN SUH
HYUNDAI MOTOR COMPANY
VP & Cradle Director

11:20 AM

START-UP PITCHING SESSION

11:50 AM

THE FUTURE OF EU FUNDING FOR INNOVATORS

JEAN-DAVID MALO

EUROPEAN COMMISSION
Director "Open Innovation & Open Science", DG Research & Innovation

12:10 AM

CONCLUDING REMARKS

INPHO 2018 AWARD CEREMONY

12:30 PM

1 TO 1 MEETINGS

2:00 PM

EUROPEAN PUBLIC FUNDING WORKSHOP

hosted by **Nassima Ferahtia**

WELCOME ADDRESS

Thursday, 11th October, 2018
12:55 PM

DAY 1

GEORGE UGRAS

AV8 VENTURES
Managing Director

Thursday, 11th October, 2018
1:15 PM

SENSING, DATA, AND SO WHAT?

MODERATOR

JEAN MARC BALLY

ASTER CAPITAL
Managing Partner

Jean-Marc Bailly serves as the General Partner & Managing Director of Aster Capital (located in San Francisco, Paris and Beijing) since March 2006. Throughout extensive experience in supporting high growth companies, Jean-Marc leverages his networks and opens partnership opportunities with its corporate sponsors for the companies he supports.

He has been active in the financing of more than 40 innovative companies, including Solairedirect (France, acquired by Engie in 2015), Connectblue (Sweden, acquired by u-blox in 2014), and CPower (US, acquired by Constellation Energy in 2010).

Jean-Marc holds a Master's degree in Business Management (Grenoble Graduate School of Business), an executive education (INSEAD) and an additional Master's degree in Mathematics. He has a keen interest in international matters, due to his frequent travels. He likes to adapt each strategy to each culture as he strongly believes that adaption is the key to success. He earned a PhD in physics from the University of Vienna with sub auspiciis praesidentis distinction. He conducted research at CERN and had exposure to a number of corporate R&D labs. In his spare time he tries to keep up to speed in cognitive robotics, quantum gravity and data science.

SPEAKERS

OLIVIER BINET

KAROS
Co-Founder & CEO

THÉO MEERT

JOHNSON & JOHNSON
Senior Director External Innovation

ALEXIS NORMAND

WITHINGS
VP Healthcare

FRANCESCO BRENNA

IBM GLOBAL BUSINESS SERVICES
Executive Partner

START-UP PITCHING SESSION

LUXAI
Luxembourg, Luxembourg

DR. AIDA NAZARIKHORRAM

Co-Founder

LuxAI is an innovative company specialized in disruptive robotic solutions for education and health-care. QTrobot is a fully programmable, scientifically validated humanoid robot for assisting therapists and caregivers working with autistic kids and increasing their social and communication skills. QT makes autism training accessible and affordable by enabling non-specialized caregivers to mass replicate and deliver standard training.

ARIANA PHARMA
Paris, France

MOHAMMAD AFSHAR

CEO

Ariana Pharma is a leading digital health Company developing advanced therapeutic decision support systems. Ariana's KEM® Artificial Intelligence is the only FDA-reviewed technology that can systematically extract biomarker signatures for precision medicine even from early clinical data. Ariana has developed Onco KEM®, the most advanced, clinically tested, oncology treatment selection system.

EASYBIKE
Paris, France

MARC BRAUN

CFO

Easybike is a French e-bike manufacturer with well-known brands like Solex and Matra. It has developed the infrastructure (charging stations and battery swap) required to serve vacation resorts, businesses and cities who want to offer their mobility services along with leasing, insurance and rental services. Easybike is well positioned to take advantage of the global shift to environmentally friendly mobility.

surewash

AETHER

Thursday, 11th October, 2018

2:00 PM

PITCHING

SUREWASH

Dublin, Ireland

GÉRARD LACEY

CEO & Co-Founder

SureWash's AI technology performs real-time video analysis of hand gestures on devices from smart phones to IoT. Current applications deliver hand hygiene quality measurement for over 150 healthcare and food safety customers. SureWash also uses AR feedback via "serious games" to promote behaviour change. SureWash has been validated in numerous clinical trials published in peer-reviewed journals.

AETHER BIOMACHINES

Santa Cruz, California, USA

PAVLE JEREMIC

CEO & Founder

Aether engineers enzymes to enable low cost, sustainable chemical manufacturing across a range of industries. Aether's radically empirical approach to biological engineering leverages proprietary ultra-high throughput robotics and cutting edge deep learning algorithms to design enzymes faster and better than ever before possible.

VC PITCHING SESSION

2:30 PM

Clément Vanden Driessche, next47 Siemens

Cédric Favier, Elaia Partners

François Tison, 360 capital

Christophe Desrumaux, SuperNova Invest

Augustin Sayer, Newfund

Thursday, 11th October, 2018
3:30 PM

PITCHING

CRAZY TECHNOLOGIES

MODERATOR

PAUL THURK

ARCH VENTURE PARTNERS
Managing Director

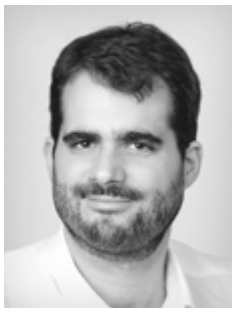
Paul Thurk is a Managing Director with ARCH Venture Partners, joining in 2000 via a Kauffman Fellowship. In 2011, he established ARCH's European headquarters in Dublin, Ireland. Mr. Thurk was Co-Founder and initial CEO of Innovalight (acquired by DuPont), CoolEdge Lighting, and Pinon Technologies (acquired by a large German chemical company). More recently he was Co-Founder of Carrick Therapeutics and Genomics Medicine Ireland.

Mr. Thurk formerly held various operating roles at NABS (acq by ILS) – a supplier of electronics components to the computer industry - ending his tenure there as Director of Operations Asia Pacific. Mr. Thurk holds a BS from the Wharton School of the University of Pennsylvania and an MBA from the University of Texas at Austin.

ARCH is a global venture capital firm of 30 years and over $2 billion under management, focused on disruptive innovations in the physical and life sciences. ARCH invests at the earliest stages, often co-founding start-ups directly out of university labs, and continues to invest to exit.

CAILABS

Rennes, France



JEAN-FRANÇOIS MORIZUR

CEO & Founder

CAILabs is a high-growth, french deep-tech SME. We design, manufacture and sell innovative photonic components for communication and industrial lasers. CAILabs is the world leader in complex laser beam shaping. Leveraging this expertise in partnerships with market leaders, we provide disruptive competitive advantage.

GLOWEE

Evry, France

PHILIPPE ROUSSEAU

COO Strategy & Growth

Glowee is a living lighting energy, coming directly from nature, at the crossroads of biomimicry and synthetic biology. Sitting at the intersection of biotechnology and design, we aim at reducing the environmental footprint of lighting while improving comfort and well-being. Our biotech solution is disrupting the entire light value chain, going from electrical to biological, to completely change the way we produce, consume and enlighten.

MUQUANS

Talence, France

PHILIPPE BOUYER

Co-Founder of Muquans

Muquans using atoms cooled near absolute zero provide disruptive solutions in many applications such as navigation, underground prospection and survey. Muquans is taking up the challenge of opening this technology to a broad market by selling atomic quantum gravimeter with unbelievable precision. It is also deploying a fiber-optics network that synchronises together the best clocks around France.

INSIGHTNESS

Zürich, Swiss

CHRISTIAN BRÄNDLI

CEO

Insightness is the future of spatial computing. Our event-based vision sensors and software measure the position of a device, capture the structure of its environment and track movements more efficient than any other sensor setup. Mixed reality (MR) is the next big thing and our sensors are to MR what multi-touch is to mobile devices. We are currently working with the leaders in the industry.

CELLSEEQ

Belgium

KATLEEN VERLEYSEN

CEO

CellSeeQ is developing a disposable chip that will isolate circulating tumor cells or fetal cells from blood, including on-chip sample prep, digital PCR measurements of the cell content and advanced lens-free cell imaging, therefore providing a sample-to-result solution for clinical cell sorting applications. This true innovative chip design will transform the medical device playing field.

Thursday, 11th October, 2018

4:15 pm

INVESTMENTS: NEW TRENDS IN THE HARDWARE INDUSTRY

MODERATOR

JEAN ROGNETTA

FORBES MAGAZINE FRANCE
Editor in chief

Jean Rognetta is the Founder and President of the primary French think tank on the financing of independent businesses, SMEfinance.fr/. Its Europe Entrepreneurs clubs are active in various countries, including the US and China.

Also a former General Delegate of CroissancePlus, an entrepreneurs group in Paris, Jean started his career in journalism in 1997 with Vivendi, as the editor of the professional letters @Jour. From 2000 to 2016 he wrote for Les Echos and Capital Finance, respectively France's leading financial daily and private equity newsletter. An early observer and analyst of the digital revolution, he has written or co-authored several books, most recently La République des Réseaux (Fayard).

SPEAKERS

EMMANUEL DE WATTEVILLE

BLUEOCEAN VENTURES
General Partner

JAN DENECKE

KODAKONE
Chief Executive Officer

AYMERIK RENARD

HARDWARE CLUB
General Partner

DEREK PROUDIAN

Investor

DAY 2

FRIDAY, 12TH OCTOBER, 2018

START-UP PITCHING SESSION

8:30 AM

PITCHING

HOLOXICA
Edinburgh, UK

JAVID KHAN
Managing Director

Holoxica is a Deep Tech company specialising in disruptive holographic 3D solutions from static images to video displays. Our tech does not need glasses and 3D images appear in mid-air, just like "Star Wars". Our experienced team delivers on extreme hardware, software and 3D graphics. Static digital holograms are created from any kind of dataset. We have four generations of holographic video displays. The main applications are in medical education and visualisation.

NETA
Talence, France

JULIEN MICHELON
CEO & Co-Founder

Neta has brought the non-destructive test at nanoscale thanks to its unique technology which transforms laser light into ultrasounds. Neta's patented technology, blows the other standard devices in terms of speed or capability. Scientists and industrials, such as semiconductor or display, require state of the art measurement system for design and in line control worldwide. Our first turnkey system is already on the market and the future of metrology is in sight.

FASTREE3D
Ecublens, Swiss

CLAUDE FLORIN
Managing Director

Fastree3D develops fast 3D spatial sensors for automotive and industrial applications. Our semiconductor laser imaging distance and ranging (LiDAR) implements arrays of single-photon detectors (SPADs) where each pixel performs direct distance ToF measurement. It is faster than laser beam steering, more resilient to sunlight than analog sensors, computes both speed and distance at a 1/5 costs.

TEEM PHOTONICS
Meylan, France

ANTOINE KEVORKIAN
Founder & CEO

Teem Photonics offers high performance ultrashort pulse lasers as well as waveguide circuits and interface devices for Silicon Photonics. Its products are mostly used by OEMs worldwide but also by Laboratories for their unique combination of long lifetime, optical quality and cost effectiveness. The company has a built a sales development track extending into 2021 which it intends to complete with external acquisitions.

LLTECH
Paris, France

BERTRAND LE CONTE DE POLY
CEO

From a biopsy, **LLTech**'s technology determines in 2 minutes and with accuracy of 96% or higher if the cells are a benign tumor, malignant tumor, inflammation or normal cells. LLTech is the only company able to create cellular activity data that identify cells types and enable machine learning automated diagnosis. It addresses personalized medicine (biopsy adequacy in radiology), surgery (margins) and drug development. The company plan to have its first FDA registered unit within 7 months.

Friday, 12th October, 2018

9:00 AM

UBIQUITOUS HIGH PERFORMANCE COMPUTING... WHY, WHERE AND HOW?

MODERATOR

CHRISTIAN REITBERGER

Partner
BTOV

Christian Reitberger has worked with btov since 2008 – initially as a Member of the Investorenkreis and a lead investor on numerous deep tech transactions. He joined the Industrial Tech Fund as a Partner in April 2018. In 1995 Christian graduated in Physics with a doctorate sub auspiciis praesidentis from Vienna University. After stints at CERN and at industry labs he complemented his science tools with business tools at McKinsey, where he advised clients until 1999 in the areas of telecommunications, electronics, digital media and biotechnology in questions of strategy, operations as well as post-merger management; he also was a founding member of the Private Equity Practice. This led him to Apax Partners where he spent nine years, and was responsible most recently as a Partner for technology investments in Europe, ranging from venture to growth to buyout investments until 2008. In 2009, he joined pan European venture capitalist Wellington Partners and helped to build the portfolio in electronics, resource efficiency and computer vision companies. He still holds portfolio responsibility for a number of companies in the Wellington portfolio. Christian focuses his investment activities on electronics & photonics, resource efficiency and industrial AI investments that have the potential to improve the state of the world in a sustainable and significant way.

And since at heart he still is a (crypto)scientist he also manages a way too broad portfolio of scientific interests in physics, mathematics, artificial intelligence, synthetic biology and econophysics.

SPEAKERS

PHILIPPE DULUC

ATOS
CTO Big Data & Security

NICOLAS LETERRIER

SCHNEIDER ELECTRIC
CTO Building & IT

YANN BARBAUX

AIRBUS
Chief Innovation Officer

MICHEL CUI

ALIBABA CLOUD EUROPE
Head Of Mid Market & Internet Industry
And Benelux Country Manager

PITCHING

BRA-KET SCIENCE, INC.

Austin, Texas, USA

JAMES S. GABLE

President

Bra-Ket Science is using quantum photonics to design new devices for cybersecurity, communications and information processing. Working closely with engineering professors at SMU in Dallas, Bra-Ket is building photonic quantum logic cores, the foundation for a potentially game-changing solution for scalable, room-temperature quantum informatics using standard semiconductor technologies.

GLOBAL SENSING TECHNOLOGIES

Dijon, France

MICHEL PAINDAVOINE

CTO & Co-Founder

GST designs and markets from 2011 new micro-electronic systems using artificial intelligence allowing decision making just right next to the sensor (camera, sound, vibration,...) in the field of predictive maintenance and security/safety applications. In this context, GST developed with the CEA a new neural processor (PNeuro). This processor makes it possible to implement deep learning algorithms.

Friday, 12th October, 2018

9:40 AM

PITCHING

WUPATEC

Limoges, France

STÉPHANE DELLIER

CEO

Wupatec's patented Envelop Tracking technology significantly reduces the power consumption of telecommunication base stations radio transmitters. Applied at worldwide scale it would represent $2B savings for operators and >40Mt CO2 emission reduction. The opportunity is sizeable (> $1B) and forecasted to grow dramatically with the rolling-out of 5G.

ULTRASOC

Cambridge, UK

RUPERT BAINES

CEO

UltraSoC embeds analytics into any semiconductor. This rich information allows chip companies and their customers to optimize performance, eliminate bugs, save power, improve cybersecurity, enhance functional safety (automotive) etc. In addition, the company has a leadership position in RISC-V. UltraSoC has proven product-market fit, great customer traction & fast-growing revenue. Customers include Intel, Huawei, Microsemi, Alibaba and others under NDA.

VC PITCHING SESSION

10:30 AM

Heribert Uhl, Robert Bosch Venture

Jérôme de Richemont, Subsea7

Jean-Gabriel Boinot-Tramoni, Quantonation

Friday, 12th October, 2018

10:45 AM

INDUSTRIAL BLOCKCHAIN: WHAT'S NEXT?

MODERATOR

DIETER KRAFT

TRUMPF VENTURE GMBH
General Manager

Dieter Kraft is General Managing Director at Trumpf Venture Capital GmbH since January 2018.

Before joining Trumpf Venture Capital, he was Investment Partner at Robert Bosch Venture Capital GmbH (RBVC), responsible for the European Venture Business of RBVC. Being more than 20 Years with Bosch Dieter holds contacts to the Bosch Management organization and is broad based in technology. Before he joined RBVC in June 2009 he was heading the Systems engineering Division of Hybrid Electric – and Electric Vehicles within Bosch worldwide. Dieter's professional background is operational business within Hardware / Software of automotive electronics and Software for telecommunication networks. Heading a Corporate Research Division he was in charge of communication and energy networks, Software methods and architectures, electric drives, human machine interaction and new business areas for Bosch.

Dieter got his PhD at University of Frankfurt in nuclear and atomic physics and got some insights to mathematics, pharmacology and nuclear medicine during his studies

SPEAKERS

JÉRÔME GRILLÈRES

VECHAIN
General Manager Europe

HANS PETER DAUBEN

RHEINISCHE FACHHOCHSCHULE KÖLN
Senior Scientific Fellow

ERIC BENHAMOU

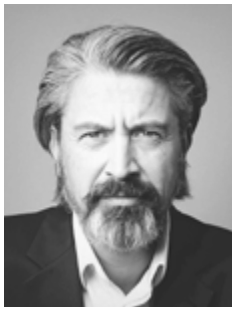
BENHAMOU GLOBAL VENTURES
Founder & General Partner

JOHN SUH

HYUNDAI MOTOR COMPANY
VP & Cradle Director

START-UP PITCHING SESSION

RIDDLE&CODE
Vienna, Austria



ALEXANDER KOPPEL
CEO

RIDDLE&CODE is Europe's leading company for blockchain interface solutions. Its hard- and software stacks enable companies to master the challenges of our digital society such as machine identity, product provenance and supply chain management. We are the only company to develop blockchain specific hardware that can sit on any IoT device, physical or digital good. And we use the blockchain as a global certification platform. This makes us unique. Since its foundation, RIDDLE&CODE has been successfully working with international companies and institutions. The company was recognized with various awards for its technology.

IOST
Singapore, Singapore

LEEHO LIM
CEO & Co-Founder

IOST is building ultra-fast blockchain infrastructure to meet the security and scalability needs of a decentralized economy. Led by a team of proven founders, IOST is funded by world class investors including Sequoia Capital (China) and Matrix Partners (China). Its mission is to be the underlying architecture for the future of online services.

MEZZONOMY
Blagnac, France

PIERRE GRADIT
Founder & CEO

In the numerical world, data is an immobilized asset. Digitalize it as a new liquidity is a major opportunity offered by the blockchain. For companies willing to seize this opportunity and organize their data business within ecosystems, **Mezzònomy** has developed an open semantic blockchain and dedicated digital applications with all functional, legal and economical properties required to this end.

PITCHING

INLABLE
Riga, Latvia

RAIVIS NIKITINS
CEO & Co-Founder

InLable is a European high-tech start-up company that is in early stage of commercializing an extremely versatile anti-counterfeit labeling and verification system, to provide the brand owners and manufacturers with IRREPRODUCIBLE (impossible to fake) solution to significantly limit the growth of their product counterfeits and to give them back full control over their property and responsibility throughout the value chain.

CRYPTALABS
London, UK

JUSTIN ROBERTS
CCO

Crypta Labs has developed a true random number by developing a Quantum Random Number Generator (QRNG) which the scientific community believes is the most secure way to generate random numbers. Our patented QRNG solutions allow us to pass tests for randomness that our competitors have failed, making our technology the only viable commercial solution for high security applications in IoT.

Friday, 12th October, 2018

11:50 PM

THE FUTURE OF EU FUNDING FOR INNOVATORS

JEAN-DAVID MALO

EUROPEAN COMMISSION
Director "Open Innovation & Open Science", DG Research & Innovation

Since February 2017 **Jean-David** has been appointed as Director of the Directorate in charge of "Open Innovation and Open Science". The European Innovation Council, the Pan-European Venture Capital Fund(s)-of-Funds Programme, the RDI dimension under the European Fund for Strategic investments, the European Open Science Cloud,... are among the various files he is in charge of or contributing to. From 2011, he was managing a newly created unit in DG Research and Innovation, the main objective of which was to contribute to increase private finance and close market gaps.

From 2006 to 2010, he was heading the unit in charge of the regional aspects of FP7, ie. the "Regions of Knowledge" and "Research Potential" programmes, From 2003 to 2006, he was the assistant of Director Robert-Jan SMITS.

He joined the European Commission in January 2001 in the Directorate General for Research. He started his career as Head of internal control management in the Comité Professionnel de la Distribution de Carburants in France before joining ARMINES, a body managing contractual research and innovation for French engineering schools (Ecoles des Mines, École Polytechnique, ENSTA...).

He has studied in the Institut National Supérieur des Sciences Économiques et Commerciales (Paris) and the University of California (Berkeley).

Friday, 12th October, 2018

12:10 PM

INPHO2018 AWARD BY

ALPHA RLH

2:00 PM

WORKSHOP: INNOVFIN EU FINANCE FOR INNOVATORS

hosted by **Nassima Ferahtia** member/policy officer - unit for SMEs, Financial instruments and State Aid in DG for Research and Innovation in the European Commission.

Smart Anything Everywhere

Enhancing the digital transformation of the European industry through Digital Innovation Hubs

SmartEEs is a European acceleration program aiming at fostering the development of Flexible Electronics. Grants up to 80k€ are available.

FED4SAE is a European project dedicated to any European company willing to develop new products and business models in adopting Cyber Physical System (CPS).

DIATOMIC is a network of digital innovation hubs that provide access to funding opportunities, cutting-edge tech and cutting-edge business support to bring smart microelectronics solutions to life.

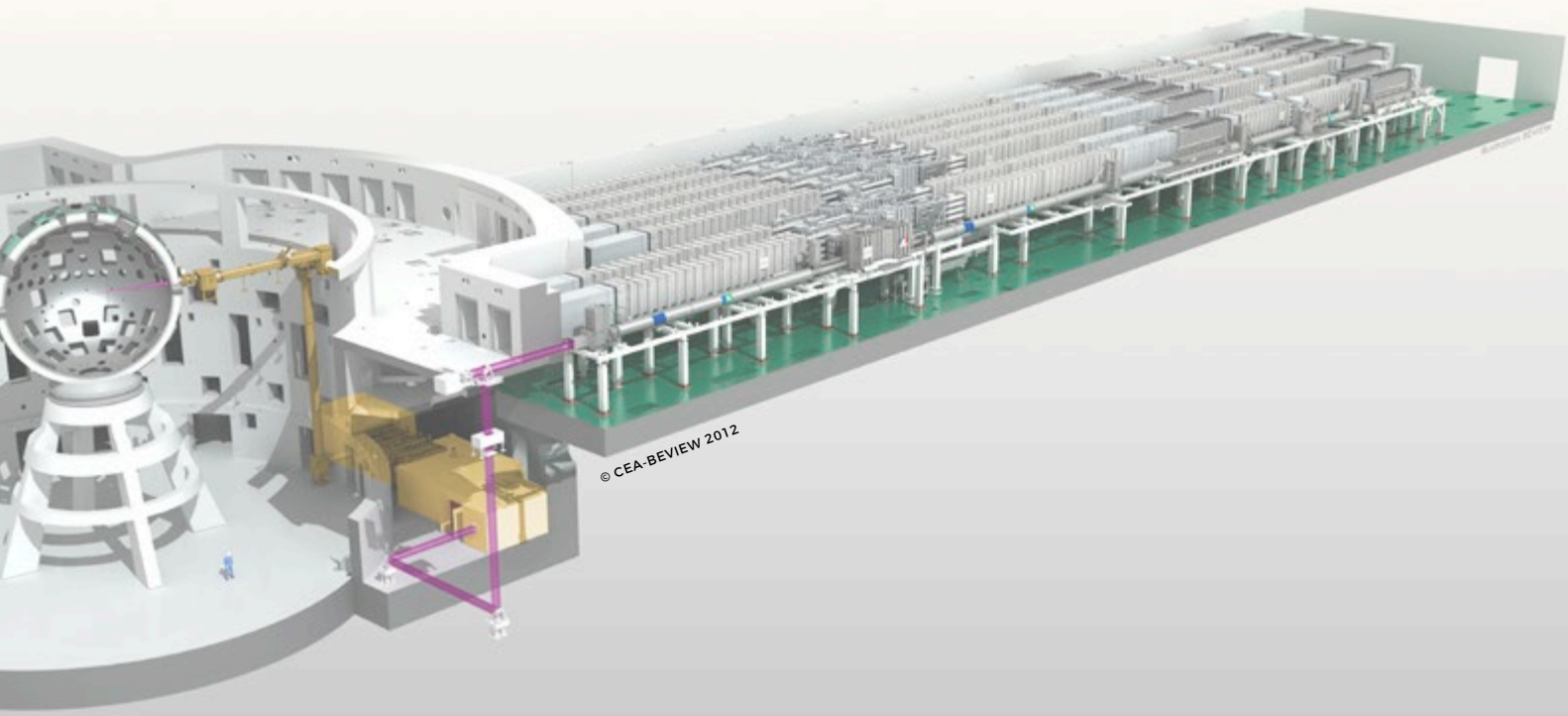
TETRAMAX is a Horizon 2020 innovation action in the domain of customized and low-energy computing for cyber physical systems and the internet of things.

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 761448. Smart Anything Everywhere is supported by the European Commission and served by Smart4Europe project.

Acceleration Program

The **gateone-project**: a business driven acceleration model for innovation in Smart Systems. Operated by BLUMORPHO it is an early stage investment scheme with proven x3 multiple. From 2,9M€ invested since 2015, more than 6M€ contracts and funding have been generated in 2018.

Géraldine ANDRIEUX GUSTIN
BLUMORPHO - Founder & CEO
andrieux@blumorpho.com



THE CEA

The CEA (French Alternative Energies and Atomic Energy Commission), is a French government-funded technological research organization, which is involved in setting up collaborative projects with many partners around the world.

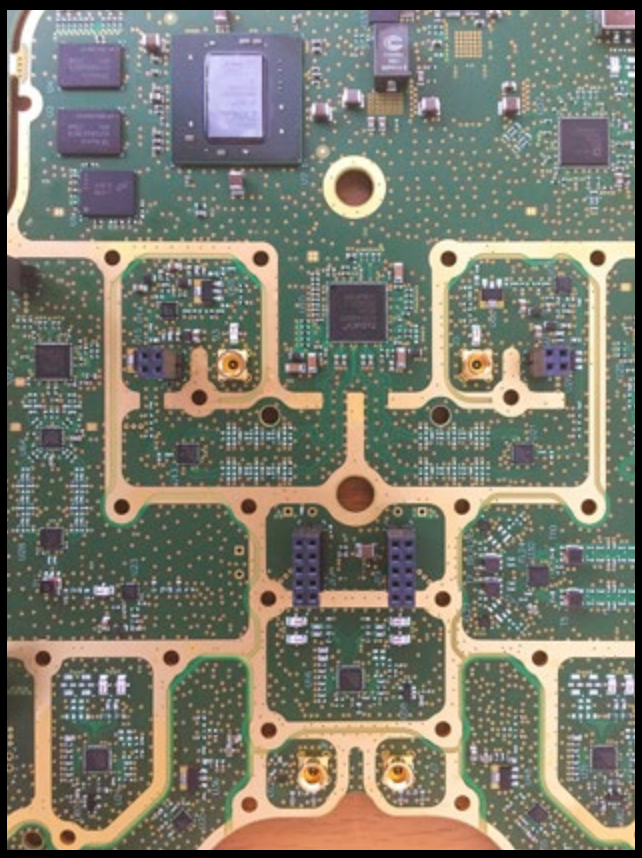
The CEA is active in four main areas: low-carbon energies, defense and security, information and health technologies. In each of these fields, the CEA maintains a cross-disciplinary culture of engineers and researchers, building on the synergies between fundamental and technological research. The CEA is based in ten research centers in France, each specializing in specific fields. The CEA benefits from the strong regional identities of these laboratories and the partnerships forged with other research centers, local authorities and universities. The CESTA (Aquitaine Scientific and Technical Studies Center), the center located close Bordeaux, is hosting the Megajoule Laser (LMJ), one of the most important tools of the Simulation Program conducted by CEA for Defense. The LMJ is one of the world's most energetic lasers.

The LMJ which came into commission in 2014 is an exceptional resource, both for its technical characteristics and its performances. Part of operational time is devoted to scientific community, in accordance with the policy approved by the Ministry of Defense.

The PETAL (PETawatt Aquitaine Laser) project launched in 2003 at the initiative of the Nouvelle-Aquitaine Region, the French Minister for Research and the European Union, is a very high power laser beam dedicated to civilian research which is coupled with the LMJ.
Thus the LMJ/PETAL is a very large research facility unique in Europe for the conduct of studies on physics of extreme in hot and dense plasmas.
LMJ/PETAL offers a real opportunity for local industrial development. The industrial requirements of the LMJ/PETAL need to be fulfilled not only during its construction and assembly but also throughout its entire operation period. The CEA strategy to promote the involved companies settlement nearby the LMJ plant responds to a genuine industrial policy aimed at creating sustainable employment in the fields of laser and optics in Aquitaine.

CEA supports the rise of new technologies. LMJ/PETAL is a breeding ground for innovations, which may lead to technology transfer businesses with the neighboring industrial companies, especially SMEs. Some innovations have already found their place in everyday life, others are full of promises with applications for instrumentation, energy, healthcare, laser processes, etc.

The Cesta is an active member of ALPHA-RLH, the regional cluster.



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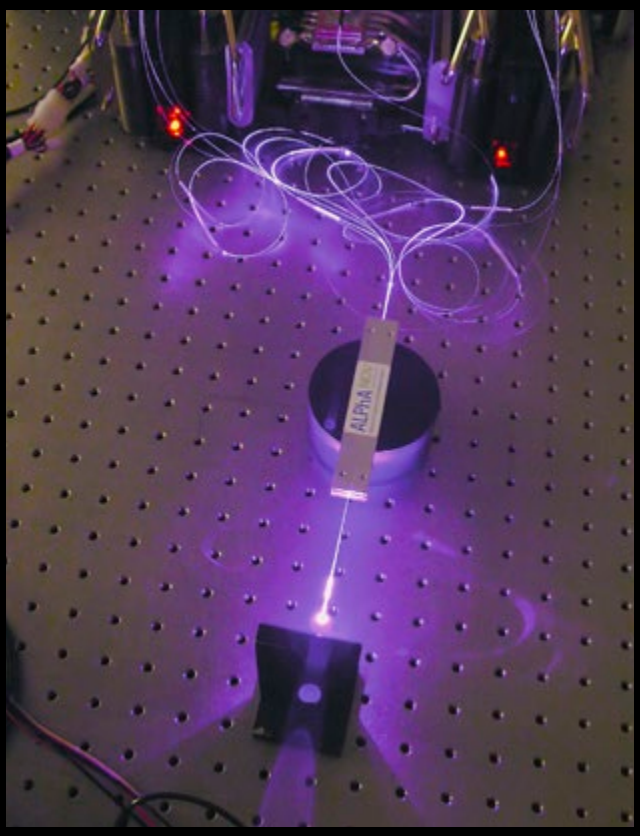

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NOUVELLE-AQUITAINE, A HUB FOR SMART TECHNOLOGIES

ALPHA - ROUTE DES LASERS & DES HYPERFRÉQUENCES (ALPHA-RLH)

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The ALPHA-RLH French Competitiveness Cluster is structured around two key Strategic Fields of Activity: Photonics-Lasers (laser sources and processes, optical components, instrumentation, imaging) and Microwaves-Electronics (integrated circuits, IoT, radiocommunication systems, radar systems, components and high frequency sub-systems), with the support of digital tools. Both promote collaborative innovation in four applied markets: Health (Medical Devices and Autonomy), Communication-Security, Aeronautics-Space-Defense and Energy-Smart Buildings. ALPHA-RLH works with companies and laboratories in setting up, evaluating and funding innovative projects.
It also provides support to SME members internationalizing and exporting to global markets.

Based in Bordeaux, Limoges and La Rochelle in the Nouvelle-Aquitaine region, the cluster has over 250 members and relies on a dynamic, innovative and attractive ecosystem:

World-class laboratories of excellence and training centers for initial and continuing education:

- Universities and engineering schools,
- Research units (XLIM, LP2N, CEA, IMS, CELIA, IRCER, LOMA, INRIA, etc.)
- The Sigma-LIM Laboratory of excellence (from materials and specific ceramic components to integrated, secure and intelligent communicating systems) in Limoges, the LAPHIA Center of Excellence for laser sciences and technologies in Bordeaux,
- PYLA, in-service training centre in lasers, optics, photonics, microwaves and RF.

Technology transfer centers: ALPhANOV and CISTEME

Industry leaders such as Thales Group, Dassault Aviation, Ariane Group, Airbus Group, Safran Group, Alsyom, Photonis, Nexeya, Legrand, L'Oréal, LVMH, CEA, etc., and **innovative SMEs** such as AirMems, AMCAD Engineering, Leukos, Novae, Irisiome, Spark Lasers, Femto Easy, Poietis, Neta, etc.

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