

LVRC where
virtuality
is reality

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Laval Virtual
International
Connecting Day
Business Directory

Thursday, April 7, 2011

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**INNOVATE AND SUCCEED ON THE
MAYENNE TERRITORY!**




In the heart of western France, **Laval Mayenne Technopole** is located in a welcoming and promising territory. Only 1 ½ hr from downtown Paris, the science park offers know-how and networking opportunities to global entrepreneurs, startups and innovative SMEs in order to facilitate the birth and the development of innovative businesses. LMT promotes innovation by supporting the synergy between major local players. Member of the International Association of Science Parks (IASP) and of the National Business Incubation Association (NBIA), LMT is facing a world of innovation.

Idenergie is our startups creation competition. Every year, 6 entrepreneurs benefit from an 8-month program including 5 training sessions and specific coaching delivered by a team of 7 professionals. Since 2007, Idenergie startups have risen over 1.8M€. Visit our website (in French) <http://www.idenergie.fr/>

Thanks to its **incubator** created in 2007, LMT develops innovation and entrepreneurship. Projects owners get advice, specific trainings and support to raise fundings.

Welcoming any innovative technological project, LMT developed knowledge **3 main sectors.**



follow us on  **LMTnetworks**





<http://www.arevent.fr>

AREVENT has created a patented process for the automatic production of robot trajectories from expert operator motion capture. Thanks to this process, the tool movements of an automotive painter, a welder...which need precision are digitized and then transformed in industrial robot trajectory.



Pascal Gautier

Photos credits: Laval Mayenne Technopole,
J-C Druais

AREVENT uses industrial robots for industry, entertainment and special events. Using the motion capture technology, AREVENT creates and organizes substantial projects.

Human Free-hand teaching for paint robots

Our process captures robot position from a human operator. Robot programming is done easily and intuitively without stopping the physical robot. We are looking for surface treatment commercial agreements

I'M OFFERING

Description of the offer:

To meet the current needs of users of industrial robots, the company AREVENT has developed a method for automatic generation of robot trajectories from motion capture of expert operators. Thus, through this process, the tool movements of a car painter, welder and so on requiring some dexterity are scanned and converted into an industrial robot path of a given range.

We offer an easy way to program industrial robots using motion capture. Our robots can be used for entertainments or in the industrial field.

Innovation and advantages

- Speed programming
- Low cost engineering

State of development

Available of demonstration

Intellectual Property Rights

- Copyrights registered
- Secret know how
- Patent granted

Technology Keywords

- Automation and robotics
- Display, Virtual Reality
- Audiovisual equipment and communication
- Conception and modelling
- Industrial production

Market application

- Surface treatment
- Entertainments
- Industry

Market keywords

- Specialised turnkey systems
- Leisure and Recreational Products and Services
- Industrial Services

I'M SEARCHING

Collaboration type

- Commercial agreement
- Technical co-operation
- Further research and development

Comments on searched partners

Type of partner sought: Industrial partner

Specific area of activity of the partner: Surface treatment

Other information about the company

Partnerships with FANUC

Technical skills: motion capture, robotics and virtual reality



www.didhaptic.com

The main drawback of an innovative product is that it is appealing for the user!

As a consequence, the main point is that the product corresponds to a persuasive business model for the buyer. The Didhaptic team, with the help of the incubator and Laval Mayenne Technopole, manages to take into account the main characteristics of this complex equation in order to create and sell training simulators.



Marc Des Rieux

Photo crédits: Laval Mayenne Technopole, J-C Druais

The Didhaptic motto is « It is necessary to virtually practice to learn ». Indeed, thanks to virtual reality, Didhaptic can recreate real situations for training. This process is an asset and offers a complete learning cycle.

Expertise in virtual reality and serious game for new training tools development

We offer our specific skills in virtual reality development for the co-development of new training tools. We could offer a complete system definition to "turnkey system delivery" in training equipments. We are looking for partners interested in co-development of training tools but we are also looking for experts in virtual reality.

I'M OFFERING

Description of the offer

We have got skills and expertises in development of virtual reality training platforms. We are looking for partners interested in developing new training tools. These projects can be general surgery applications, medical applications but also other market's applications.

We have already developed a virtual reality platform in oral implantology and thus mastered following technologies:

- Pedagogical engineering
- Cognitive ergonomy
- 3DOF and 6DOF Haptics
- Full integrated Virtual reality solutions
- Augmented reality
- Visualisation and position tracking
- Scientific programming
- Visualisation programming



More generally, we have a significant advance and may be partner in any program for training tools and environments for skill gesture in all domains with severe constraints:

- People and goods security
- Economical value of manipulated objects
- Availability of real or dummy objects for training

We are now looking for complementary technical skills for the co-development of training tools, or serious games.

Innovation and advantages

Our major asset is to host education scientists in our team and thanks to this, we have developed our own application conception process:

- "Activity analysis" by education science PhD
- Identification and precise definition of skills to be teach
- Definition of pedagogic process
- Ergonomical analysis
- Validation of the relevance of Virtual Reality tools
- Conception of virtual reality platforms
- Software programming on majority of graphics and Virtual Reality platforms
- Haptics algorithms in 3DOF and 6DOF

This global expertise allows us to handle the complete system definition to the delivery of a "turnkey system" in training equipments.

State of development:

Available for demonstration

Intellectual Property Rights:

Secret know-how

Technology Keywords

- Simulation
- Applications for Health
- E-Learning
- Visualisation, Virtual Reality
- Education and Training

Market application

- Private and public training centres
- A vast majority of domain will be addressed by virtual reality training within the 10 coming years

Market keywords

- Specialised turnkey systems
- Education
- Medical/health
- Other software related
- Other medical/health related (not elsewhere classified)

I'M SEARCHING

Collaboration type

- Joint Venture Agreement
- Joint further development
- Testing of new applications
- Adaptation to specific needs

Comments on searched partners

Type of partner sought: Industry, Research institute, University, Technical centre, Technology transfer centre, Hospitals, Training centres, Schools

Specific area of activity of the partner: Virtual and augmented reality, serious game, education

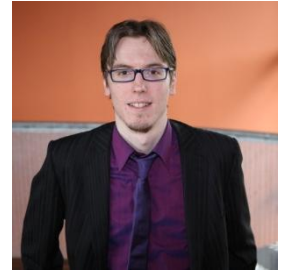
Task to be performed by the partner sought: Depending of the project, we aim at using and enforcing our already existing skills in projects having outcomes close enough to commercialisation or as scientific partner. We could also be one of the industrial partners active in "commercial valorisation".

Other information about the company

Partnerships with companies involved in virtual reality (HAPTION / CERV / INRIA)

Technical skills: Educational engineering, 3D visualization, Force feedback, Digital image processing, programming C++ / QT / Open GL

Wishing to build on our passion for innovative 3D technologies, we try to inform other companies on their existence and benefits. We take pride in advising our clients on their usage, or redirecting to other more appropriate solutions, on a project to project basis; helping them make the appropriate choices according to their punctual or everyday needs.



Gill Van Herzele

Photo credits: Laval Mayenne Technopole, J-C Druais

Using real time 3D technologies, Enozone is specialized in computer graphics and interactive 3D applications. Enozone offers an immersion and an animation control based on virtual reality and gaming technologies.

Expertise in 3D CG and interactive 3D applications for multiple platforms

We put our expertise and experience at your disposal in real-time 3D modelling, interactive 3D applications, images and video, for multiple platforms (PC, MAC, iOS, Android). We are looking for commercial agreements and suppliers of scenographic hardware able to host our software.

I'M OFFERING

Description of the offer:

We offer our expertise in 3D modeling, more specifically Optimized Real-time 3D modelling, and development of interactive 3D applications for a variety of platforms (PC, MAC, iOS, Android).



We can also offer to manage the creation of a custom made hardware design (through our partners), matching the software application and intended hardware scenographic integration.

VIRTUAL VISIT

VIRTUAL PREVISUALISATION

VIRTUAL RECONSTRUCTION

VIRTUAL REPRODUCTION

STEREOSCOPIC 3D

PRESENTATION VIDEO

VIDEO AND IMAGE

INTERACTIVE 3D APPLICATION

INTERACTIVE ANIMATION

HARDWARE SALE AND RENTAL

SALES AIDING TOOL

3D

COMMUNICATION TOOL

ANIMATION RENTAL

SERIOUS GAMES

INTERACTIVE INSTALLATION INSTRUCTIONS

Innovation and advantages

- What you see is what you get! All developments and graphics are created in-house, on site.
- Real experience in
 - optimized real-time modelling
 - development of interactive 3D applications for several platforms
 - connecting third client or certain third party products to our software, for interactive purposes
- Possibility of complete product development management, if particular personalized scenographic hardware interfaces are required
- Using a wide variety of 3D engines, enabling us to choose for the most appropriate solution according to the expressed needs
- Close proximity to a wide variety of partners, able to complete our expertise with a.o. cutting edge knowhow in Virtual Reality

State of development

Already on market

Intellectual Property Rights

Secret know how

Technology Keywords

- Video Games
- Software
- Smart Appliances
- Tourism applications
- Didactic System
- Cultural Heritage,
- Visualisation and Virtual Reality

Market application

Uses:

- General Communication Purposes
- Sales Aiding Tools
- Entertainment
- Educational software

Targets:

- Museums, Cultural institutions
- Property Developers
- Local Communities
- Companies attending or organizing events

Market keywords

- Education
- Leisure and Recreational Products and Services
- Construction and Building Products
- Advertising and public relations
- Media related services
- Business products and supplies

I'M SEARCHING

Collaboration type

- Commercial agreement with technical assistance
- Technical co-operation
- Further research and development
- Joint venture agreement

Comments on searched partners

Type of partner sought:

Commercial agreements

Partners having scenographic equipment to combine with our content

Specific area of activity of the partner:

Any field

Other information about the company

Partnerships with Joodan.id, CLARTE, ESIEA Laval, Arts et Métiers Paris Tech...

Technical skills: 3D real time modeling, Virtual Reality applications for commercial purposes, decision marking processes and special events.

Customer references: Dassault Systèmes, Didhaptic, City of Laval, Museum of Naïve Art Laval, Cité des Sciences, P&I Laboratory.



www.haption.com

Force-feedback is the ultimate interaction experience in Virtual Reality. In the long term, it will become an ordinary feature, just like the touch-screen for the Smartphone. For the time being, it already helps our customers save time and money in their development work.



Jérôme Perret

Photo credits: Laval Virtual, J-C Druais

Innovative company in Virtual Reality, Haption develops and sells interactive systems and solutions with force-feedback for professional applications

Haptic and force-feedback devices; interactive physics simulation; assembly simulation in a CAD environment

A small high-technology SME based in France, we develop and sell solutions (hardware and software) for physical interaction with virtual worlds. Our hardware products are haptic and force-feedback systems. Our software products are interactive physics simulation libraries, and plug-ins for the major CAD (Computer-Aided Design) and VR (Virtual Reality) platforms.

I'M OFFERING

Description of the offer:

Haptics and force-feedback have many applications, for example:

Manufacturing industry: Assembly validation, evaluation of maintenance procedures, operator training. Our products enable the design engineers to interact physically with the 3D data, without the need for a real prototype.



Simulation of a maintenance task inside an aircraft. Photo credits: Airbus UK

Nuclear and off-shore: Remote handling of dangerous materials, in dangerous environments. We can provide “master” systems to control “slave” robots in a safe, intuitive and efficient manner.



Master/slave tele-operation. Photo credits: CEA LIST

Medical: Robot-assisted surgery, surgical training, rehabilitation. The introduction of robotics-related technology in the medical sector opens brand new opportunities for more safety, improved working conditions, and a better quality of life.

A small high-technology SME based in France, we are experts in the design and manufacturing of haptic and force-feedback systems. We sell standard products, but also custom and turn-key solutions.

Innovation and advantages

We are the only supplier on the market today, able to offer stable and robust force-feedback in 6 directions of space (3 translations and 3 rotations).

State of development

Already on market

Intellectual Property Rights

- Exclusive rights
- Secret know how
- Patent granted

Technology Keywords

- Automation and Robotics,
- Simulation
- Conception and modelling/ Prototyping,
- Vehicle conception

Market application

- Force-feedback for procedure validation
- Training
- Rehabilitation

Market keywords

- Transport industry
- Health
- Nuclear
- Research laboratories

I'M SEARCHING

Collaboration type

- Joint venture
- Testing new applications
- Adaptation to specific needs

Comments on searched partners

Type of partner sought: Industry, Technology transfer centre, High-tech Start-up Company

Specific area of activity of the partner: Medical training, rehabilitation

Task to be performed by the partner sought: Integration of market application

Other information about the company

Partnerships with CEA LIST, IRISA, Dassault Systèmes, PSA Peugeot Citroën, Mines Paristech, Renault, CNRS, ART GmbH (Germany), Motion Analysis (USA), Vicon (UK), Iowa State University (USA), Politecnico di Milano (Italy).

Technical skills: Mechanics, electronics, real-time embedded computing, software integration.

Customer references: PSA Peugeot Citroën, Toyota, Renault, Volkswagen, BMW, Airbus, Dassault Aviation, Boeing, Lockheed Martin Aeronautics, NASA Marshall, Sikorsky, Thales Alenia Space, INRIA, Karlsruhe University, Iowa State University, Shanghai University, Beihang University

Joodan.id is an Industrial Design Studio which answers to VR technology needs.
VR is a real world basic. An avatar is a real human with a loss of perceptions. How to manage this loss is our job.

www.joodan-id.com



Jacques Philippe

Photo credits: Laval Mayenne Technopole, J-C Druais

JOODAN.ID focuses its actions in creating business models which are user centered. If the user is concerned, the offer will meet its market. If there is just technology it will still be in the cupboard (or return into fastly). Being attractive, it's being used...

I'M OFFERING

"Design makes it real"

How to act or transfer our perception into unreal feeling?

There is not just one answer, but several. When everything is done, whatever the technology purpose, the user just says yes or no if he understands how to use the offer.

The Designer job is to make things acceptable because they are considered as natural.

Description of the offer:

- Product design with high technical integration
- Construction of brand image
- "Rushing" method for communication and marketing strategies
- Communication technologies staging during special events
- Increase of the user experience

I'M SEARCHING

Collaboration type

- Technical co-operation
- Further research and development

Other information about the company

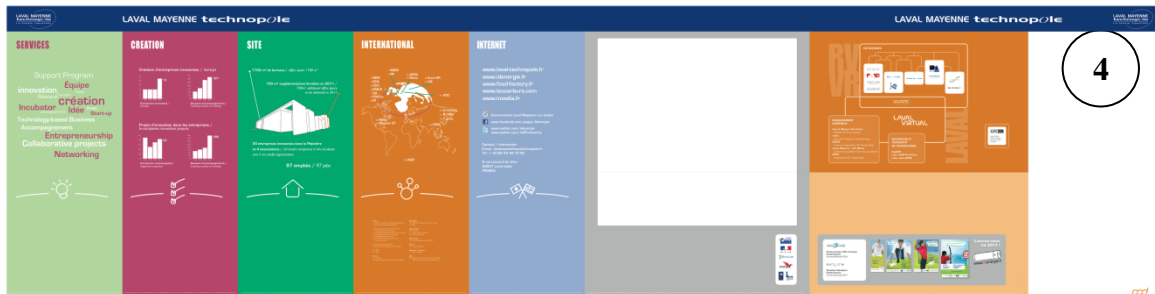
Partnerships with universities: Ecole Centrale de Nantes, Le Mans University, ISPA (Plastics processing Institute in Alençon), IOTA (Optical institute), ESEO (engineer school in Angers), Space Code 3D – RFID UHF

Customer references: Didhaptic, IGH Doordev - Doorwell, ZDA, Convivial Side, DCS, Enozone, Laval Mayenne Technopole, Laval Virtual.
1 Douanier Rousseau booth (2010)

2 LVRC label creation and promotion (2009-10)

3 Virteasy, simulation (Didhaptic - 2008)

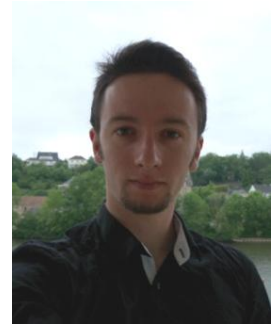
4 Laval Mayenne Technopole booth for Laval Virtual (2009-10-11)





www.realyz.com

REALYZ uses its skills and its knowledge to offer services in virtual and augmented reality. With its mobile and innovative immersive devices, REALYZ makes virtual and augmented reality accessible and visible to everyone



Guillaume Brincin

"Bring your ideas, we realize your vision". Come to us with your concepts and projects, we are sure there is one of our systems for you!

Virtual and Augmented Reality systems for rental and expertise in these technologies to make your projects become a reality.

I'M OFFERING

Description of the offer:

In order to enhance your work presentation, to add innovative device to your events or simply to be different from other companies, we offer for hire several visualization systems using virtual and augmented reality.

- Interactive Augmented Reality
- Mobile Virtual Reality systems (from 1 to 4 screens)

- You already have 3D data or you work with CAD software?
We can show your work in the most "realistic" and spectacular way.
- You have a virtual reality application you would like to show?
We ensure the transfer of your work on our systems and guarantee its proper functioning during your presentation.
- You seek a high level and innovative visualization system to sensitize people to new technologies?
We have some interesting demonstrations that will prove instantly the power and the efficiency of augmented and virtual reality.
- You have a project or simply an idea?
We can find the good professionals to achieve and finalize your vision and take in charge its transfer to our system for your future presentations.

Innovation and advantages

Our offer allows you to present your applications on innovative and immersive displays that will bring your work to a higher level of visualization

State of development

Available for demonstration (April 2011)

Intellectual Property Rights

Secret know how

Technology Keywords

- Virtual Reality
- Immersion on virtual world or application
- Body Tracking
- Augmented Reality
- Interactive applications

Market application

- Research
- Marketing
- Entertaining
- Visualization

Market keywords

- Immersive Systems
- Virtual Reality
- Augmented Reality
- Innovative Visualization devices

I'M SEARCHING

Collaboration type

Commercial agreement with technical assistance

Comments on searched partners

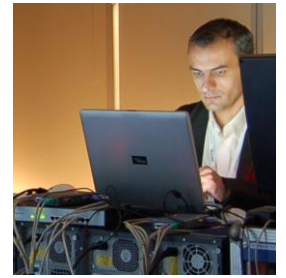
Type of partner sought: Companies, Laboratories, schools...

Specific area of activity of the partner: CAD, creators of 3D content, Virtual reality, augmented reality...

Task to be performed by the partner sought: Bringing its ideas or 3D content to be presented on our devices.

Service first!

Since 1995, we provide technical solutions to every image user, in all forms: Production, Broadcasting, Projection, 3D...



Stéphane Deuil

High Technical Support for all projects shooting video and labs, automation, virtual reality room with or without tracking.

Broadcast and professional video services

We offer a large set of Engineering, Sales, Installation and Maintenance.

I'M OFFERING

Description of the offer:

- **Technical expertise engineering:** This expertise represents the first step of our customer project. We take into account existing equipment and needs to offer equipment and integration solutions economically and technically coherent.
- **Sales consultancy:** We distribute professional video and audio products (LCD and Plasma screens, optical tracking, workstations, 3D, automation piloting, stereoscopic display, renting of virtual reality room for exhibitions ...). To help our customers to make a choice in our large offer we provide advice, information, delivery, installation and commissioning.
- **Maintenance:** We realize the maintenance and the reparation of all the material provided in our customer premises.
- **Installation:** We install material in our customer premises by ensuring delivery, cabling and tests.

Innovation and advantages

All services we provide are sold ready for immediate use (turnkey)

State of development

Already on market

Intellectual Property Rights

Secret know how

Technology Keywords

- Numerical systems
- Embedded systems
- Computer technologies
- Maintenance system
- Display and Virtual Reality

Market application

Every company who needs audio and video systems

Market keywords

- Commercial communications
- Other data communication components
- Specialised turnkey systems
- Broadcasting labs
- TV, Dubbing
- Prod and post-production
- Industry
- Education
- Handicap
- ICT

I'M SEARCHING

Collaboration type

Commercial contacts

Comments on searched partners

Type of partner sought:

Productions, audio and video laboratories, televisions, administrations, schools, industries, museum, virtual reality users.

Other information about the company

Partnerships with Barco, Stewart, Projection Design, Christie, Sony, Panasonic ...

Technical skills: Electronic, hardware and microprocessors programming

Customer references: Virtual Reality: DCNS, Thales, Schlumberger Petrol and Nexter

*3D is more and more omnipresent (in the innovation field and in our daily life). It is characterized by many various technologies and solutions.
Make the most of our interdisciplinarity in order to acquire innovative and efficient 3D tools!*



**Benjamin COSSE &
Vivien POUJADE**

Established in 2005, SYNTHES'3D is a design studio specialized in 3D computer graphics and in real-time 3D for Innovation, Industry and Medical. Organised with several offices in France and in the world, the company gathers in the same team engineers and 3D artists to answer at best the technical and artistic needs of its customers

Communication vector and technical translation offer thanks to 3D technologies

SYNTHES'3D creates 3D video contents and real time 3D applications expendables in any support. We provide support and advice in the 3D needs analysis. We assist our customers in integrated project management in a conception and industrialization global approach. We are looking for technical cooperation and commercial contacts.

I'M OFFERING

Description of the offer:

Our design studio creates:

- 3D Computer Generated Images
- 3D Animations and Videos
- 3D Configurations
- 3D Real-time Applications and Virtual Reality

Thanks to our advice activities we can make attractive the industrial 3D modeling during the product conception stage. Customers can therefore communicate and obtain technical elements to forecast the industrialization of an enhanced product thanks to our 3D technologies.

Innovation and advantages

Our team is composed of high level engineers and computer graphics specialists. Thanks to this double competence we can manage technological and innovative problematic with efficiency. We can therefore facilitate the translation of technical elements.

State of development

Already on market

Intellectual Property Rights

Secret know how

Technology Keywords

Graphic design

Market application

- Medical and paramedical
- Innovation
- Industry

Market keywords

All industries (especially SMEs close to the market), Research centers (product conception on new use), Institutions, Companies

I'M SEARCHING

Collaboration type

- Commercial agreement
- Technical co-operation
- Purchasing advisors (prescribers)

Comments on searched partners

Specific area of activity of the partner:

Industry (Key Accounts, SMEs and start-ups in product development stage), Innovation, Medical and Paramedical fields

Task to be performed by the partner sought:

We are searching a technical collaboration with structures which offer diffusion material to integrate our contents in order to have a comprehensive offer

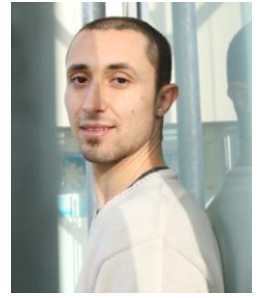
Other information about the company

Partnerships with universities: Arts & Métiers ParisTech, Presence & Innovation laboratory

Technical skills: Support of technological projects, requirement analysis & cost optimization.

Customer references: Convivial Side, KISCO International, Iter France Agency, EUROS, CEA, ST Microelectronics, BIOTECH, OSD, ORKEIS, PUY DU FOU, MBDA, GEMEY MAYBELLINE, and so on.

Nowadays, virtual reality, mobile cartography and numerical communication are technological fields which need geospatial data. After a maximum use of the aerial data, cartographers use mobile mapping systems to digitize the environment and complete the maps with video and metadata. These systems can acquire every minute million of bytes and the challenge is to be able to exploit it. This is why VIAMETRIS develops systems using signal and image processing associated to artificial intelligence to be able to interpret the road environment and build advanced maps.



Jérôme Ninot

Photo credits: Laval Mayenne
Technopole, J-C Druais

In order to better understand the roads and its environment, VIAMETRIS has finalized tools to realize road dynamic interpretation. The tool of road markings recognition, road signs extraction and sight distance measurement indicates the road conditions.

Expertise and development of automatic image and 3D data interpretation

Our expertise in image processing, LiDaR processing, and development of Mobile Mapping System are offered to achieve decision-making tools and data interpretation, and to help you to develop applications using artificial intelligence.

I'M OFFERING

Description of the offer:

We developed algorithms and associated software to analyze and provide automatic interpretation of real scene. These tools are now dedicated to road scenes and outdoor environment but our development could be adapted to different cases.

VIAMETRIS team has already developed:

- Image-based generic shape recognition algorithms in adverse light conditions
- Image and LiDaR fusion for efficient data interpretation
- Low-cost 3D scanning system for structured environment (indoor and/or outdoor)
- 3D points interpretation for object recognition and environment reconstruction
- Geospatial data software
- Mobile Mapping System with Image-LiDaR-INS management
- Sensor calibration
- Spherical camera integration, calibration and rectification

We offer our expertise in artificial intelligence, in data processing and computer vision to meet your requirements whatever they may be. We allow you to realize systems to interpret situations from raw data collection provided by sensors.

This expertise can be applied to:

- Machine vision, special machine
- Indoor or Outdoor condition
- Embedded vision
- Augmented Reality
- Mobile Localization
- Vision System calibration

Innovation and advantages

VIAMETRIS includes a research and development team specialized in intelligent data processing from cameras and LiDAR.

Our expertise in this field has been demonstrated thanks to scientific publications and patents. The company includes science PhDs, engineers and developers specialized in software engineering.

State of development:

Available for demonstration

Intellectual Property Rights:

- Secret know how
- Patents granted

Technology Keywords

- Mobile Mapping System
- Image processing
- Signal processing
- Applied mathematics
- Augmented Reality
- Localization and Mapping
- Sensors calibration
- Geographic Information System
- Geographic data
- Machine vision

Market application

Every field: we need automatic interpretation to reduce production cost

Market keywords

- Topography
- Road Survey and asset inventory
- Construction Engineering
- Industry

I'M SEARCHING

Collaboration type

- License agreement
- Commercial agreement with technical assistance
- Joint venture agreement
- Adaptation to specific needs

Comments on searched partners

Type of partner sought: Topographer, Geometer, Construction Engineer, and Industry

Task to be performed by the partner sought: VIAMETRIS aims to use and strengthen its existing skills in projects having outcomes close enough to commercialisation or as scientific partner. We are interested to integrate collaborative European programs.

Other information about the company

Partnerships with other companies involved in artificial intelligence (INDUCT, LIVIC, INTEMPORA)

Technical skills: Signal and image processing, Artificial intelligence, localization

Customer references: VIAMARK, LCPC – INRETS (IFSTTAR), Communauté Urbaine de Strasbourg (Strasbourg Urban Community).



The Presence & Innovation research Team is in direct contact with industry through partnerships in project mode based on cases or needs. Our goal is to develop "user centric" design approaches, using virtual collaborative environments and responding to societal demands. Our research activities are applied on real cases.

The uniqueness of our team lies in: the near industrial, applied research, action research engaged directly with industry, working in project mode, offering a wide variety of partnerships and offering a unique training for students and professionals.

Training and research projects offer

We offer different training and research project thanks to our laboratory and Master degrees. We are looking for industrial partners to develop "research provisions" and integrate European funded projects.

I'M OFFERING

Description of the offer:

Our research work around design approach results in two areas:

1. Design and integration of virtual reality systems:
 - The implementation and evaluation of contributions of VR technology in product design
 - The development and evaluation of applications integrating technologies of VR (Industry, Health)
 - The design and evaluation of new evaluation approaches and reeducation in Health
2. Optimization of design & innovation processes:
 - The development of methods for multidisciplinary design and creativity
 - The organization of the innovation process in the preliminary phases
 - The integration of information technology and engineering knowledge in product design

We offer different training and research projects:

- Junior projects with first year Master Students (3 students from November to April)
- Senior projects with second year Master Students (3 students from October to February)
- RV Team projects (8 students during 2 weeks on February)
- Final year project (1 student full time during 5 months from March to July)
- Phd with "convention Cifre" (1 PhD student full time during 3 years in the Company and/or in the Lab)
- Training seminars (1 day on a special topic: Triz Method, Open Innovation, Technology watch...)

Innovation and advantages

We offer to companies the possibility of developing “demonstrators” in 6 months or 1 year to allow them to:

- Validate technological opportunities
- Validate project interest by using virtual technologies (Ipad, touch screen, motion capture...)
- Find investors for innovative projects
- Test new innovation organisation (for instance a “Living Lab” operation)

State of development

- Idea
- Proof of concept
- Technical Mock Up
- Prototype
- Already on the market

Intellectual Property Rights

- Secret know how
- Patents...

Technology Keywords

- Virtual Reality
- Augmented Reality
- Motion Capture

Market keywords

- Industry
- Handicap
- ICT

I'M SEARCHING

Collaboration type

- Technical co-operation
- Further research and development

Comments on searched partners

Type of partner sought:

Industrial partners

Task to be performed by the partner sought:

We are looking for industrial partners to realize “research provisions” and international partners in the framework of European projects that we could integrate.

Other information about the laboratory

Partnerships with the Mayenne Board of Trade, the city of Laval, Angers and Maine University and numerous companies and research labs

Laval Virtual Reality Capital



WWW.LVRC.EU

