



## WORKSHOP PROGRAM

### WEDNESDAY, June 1st 2016

09:35 – 10:05 am



#### **The evolution of the management, social and organizational models in the smart factory**

Mr. Eric Fernandez, **PYRAMIS CONSULTING**, *Consultant*

It can be complex to deploy a project "smart factory" in an industrial company (particularly in SME or ETI environment). That requires the implementation of particular skills and specific resources.

Just after illustrating the stakes and the risks of such a project, we shall focus on the necessary evolution in term of organization, management, and social model.

In this context of factory 4.0 or smart factory, we will try to illustrate what could be the managerial and social models in the future, and which skills will have to be developed by the companies.

We shall highlight together the importance of the human factor and of the evolution of the management models, in order to optimize the operational performance and to contribute to the companies development.

Noted : Pyramis Consulting is in charge of a module of training on this subject within the engineering school SIGMA in Clermont-Ferrand.

10:10 – 10:40 am



#### **Lean and Innovation**

Mr. Pierre Gambardella, **PSA PEUGEOT CITROEN**, *Excellence System Leader*

The speaker will address the following issues:

- What should a Performance Management System incorporate?
- Which fundamentals are required to embark for breakthrough progress?
- How can they be deployed?
- Would there be a "new Management System" for Industry 4.0?

10:45 – 11:15 am



#### **Applications and advantages of its additive manufacturing technologies**

Mr. Eric Montero, **STRATASYS**, *Director of France*

During this conference, you will be able to discover concrete applications of additive manufacturing technologies in various industrial sectors, including aerospace.

We will focus on high performance thermoplastics or polymer resins, that allow the optimization of the supply chain and the manufacturing processes.

You will discover how the ALM boost innovation, reactivity and performance of product launch through the optimized manufacturing of Jigs & Fixtures, injection molding, tooling and production parts.

11:55 – 12:25 pm



#### **Observe the uses to create and to innovate**

Ms Laetitia Le Maner, **AGENCE NOVAM**, *industrial designer and manager of the agency*

This workshop will focus on the importance of identifying the different stakeholders of your business and how your products or services are used. What are the elements that facilitate their use? What are the difficulties encountered in use?

And How in view of this data, the designer can assist you in your design process.

The remarks will be illustrated through examples of projects.

#### **LUNCH**

02:35 – 03:05 pm



#### **Factories of the future in Auvergne-Rhône-Alpes : offer of solutions from the consortium of competitiveness clusters**

Mr. Arnaud Bocquillon, **VIAMECA**, *Scientific Coordinator "Intelligent Systems and Robotics" and "Engineering driven by Uses and Services"*

Seven competitiveness clusters from Auvergne and Rhône-Alpes work together around Industry of the future. For 10 years they have supported more than 250 collaborative projects on this subject : advanced manufacturing processes, agility and efficiency of production systems, digital factory, design and manufacturing user centered... During this conference you will discover solutions that will bring you competitiveness clusters. It will be illustrated with examples of collaborative projects of the industry of the future challenges.



03:45 – 04:15 pm



**Paradise for Investors : Economic and Technological Development Area, Beichen Dist., Tianjin, China**

**Mr. Ma Chen, Economic and Technological Development Area, Beichen Dist., Tianjin, China, Vice Director**

Approved by the Tianjin Municipal People's Government, Beichen Economic & Technological Development Area (hereinafter referred to BEDA) was established as a provincial development area in July 1992 and promoted to a state-level economic & technological development area by the State Council of China in March 2013. BEDA consists of one area and four parks, i.e. Core Area, Beichen Science & Technology Park of Binhai National Independent Innovation Area, High-end Equipment Industrial Park, Land Port Logistics Equipment Industrial Park, and Pharmaceutical & Medical Devices Industrial Park, covering an area of 56 square kilometers. So far, BEDA has attracted more than 500 enterprises to invest from 26 countries and regions, among which 23 are Global Fortune 500 companies. With an average tax contribution of land per mu (mu equals to 666.67 square meters) exceeding RMB 300,000 yuan, three leading industries have formed, including high-end equipment manufacturing, modern medicine and new energy& materials. 19 German enterprises, including ZF Friedrichshafen, Siemens, Oerlikon leybold, Geze and etc have settled here, and BEDA has become the most densely German-invested area in Tianjin.

BEDA has won the titles of "China's Top 100 Most Competitive Area" and "China's Top 100 New Energy Industry Park" successively.

Refreshments will be served after the presentation.

05:00 – 07:00 pm



**Regional leaders conference – meeting: Auvergne Rhône-Alpes , our future is in innovation**

In the presence of Mr. Olivier Bianchi, **President of Clermont Community and Mayor of Clermont -Ferrand**

Great witness, Mr. Bruno Bonnell, **AWABOT , ROBOPOLIS, EM Lyon, Chairman Health/Biotech and Digital**

Ms. Sophie Momège, **Laboratoires THEA, CEO**

Mr. Laurent Fiard, **Visiativ, Co- President**

**Transport and Aeronautics**

Mr. François Lacoste, **NSE Group, President founder**

Mr. Bernard Modat, **RAAC LUTB cluster, Chairman**

The advent of the new region Auvergne Rhône -Alpes is a great opportunity to bring its economic actors and create new synergies among regional companies. Innovation "open" or " collaborative» is one of the keys to development. Bref Rhône -Alpes Auvergne , the first regional economic media group , is organizing this panel discussion to share experience of precursor business leaders in the field.



## THURSDAY, June 2nd 2016

09:00 – 09:35 am



### How to accelerate the development of your R & D projects?

Ms Lucie Chabreuil, **AYMING**, Senior consultant  
Mr. Michel Moulinet, **AYMING**, Senior consultant

Ayming is a leading international Business Performance consulting group, formed by the merger of Alma Consulting Group and Lowendalmasai, with offices in 14 countries in France, Europe and in the world. In 2015, the Group, which has nearly 1,500 staff, achieved a turnover of €173 M.

Ayming provides strategic and operational support to companies to help them sustainably develop their overall performance in four major areas of expertise: Human Resources, Operations, Finance and Innovation. Ayming's client engagements consist of supporting risk prevention and management (secure); optimisation of processes, organisations and financing (accelerate); development of growth strategies and reallocation of resources (anticipate).

The « Finance & Innovation performance » business line helps companies to improve the performance and funding of their growth investments. Every year, 15 000 projects are supported and over one billion euros of additional financing capacity achieved for our clients in France and internationally.

The group is qualified by the French Professional Office for the Qualification of Management Consultants (OPQCM), member of Syncost and Syntec Management, Consulting, ISO 9001: 2008 certified by AFNOR Certification, member of the Association of Innovation Consultants (ACI), of AFNOR's Standardisation Committee on Innovation Management.

09:35 – 10:05 am



### Researches on dielectric polarizing solar powered nano materials and friction boundary layers: The (patented) ExoFinBoat technology applied to fast green hybrid SRE vessels/boats. [Solar Renewable Energy]

Mr. Jean-Louis Cabiron, **EBOO-DEVELOPMENT CONSEIL (organisme de recherche privé)**, *President*

ExoFinBoat Technology. Presentation of patented researches focused preliminary on navy/naval fast boats to reduce fluid friction forces and increase lift ones thanks to the Company R&D Know-How in the field of fluid layers interfaces quantum technology in Air and WATER and dielectric polarizing nano materials. Solar Renewable Energy is the onboard hybrid energy source produced by the ExoFinWings to power the system instead of feeding poor efficiency electric motors. The paper introduces as example of the technology the 50' Goggle Explorer ExoFinBoat prototype project.

10:45 - 11:15 am



### INDUSTRIE 4.0 or Industrie du futur : Is it a Marketing slogan or a real industrial evolution ?

Mr. Franck Mercier, **SIEMENS**, *Siemens SAS France Director of program deployment 'Industrie du futur'*

The Internet is revolutionizing the business world and creates major challenges for manufacturing companies. The products, business models and legacy positions that once gave companies their competitive edge are no longer secured.

There is an ongoing 4th revolution called "Industrie 4.0" in Germany and a dedicated program "Industrie du futur" in France, managed by the French government.

There are key areas where an Industrie 4.0 solution will need to provide significant progress such as Reducing the time to market, Enhancing flexibility or Increasing efficiency.

How prepared are you to change your business?

Through this presentation, we show the vision and the benefits of such Digitalization solutions thanks to several application examples.