



# Health, Enterprise Data and Artificial Intelligence Lectures

Open to all students and professionals, by professionals established in France & the USA.



Sunday Dec 25 , 2022 | 9:00 - 12:00 | Auditorium

## Program

60 min

09:00 Enterprise Resource  
10:00 Management

Overview of Enterprise Resource Planning (ERP) software architectures and operation strategies.



**Abdelmadjid Hentit**  
*Enterprise Resource Planning Senior Architect, France*  
Computer Science Engineer, USTO Oran

40 min

10:00 Data & Analytics in  
10:40 Healthcare

Overview of the players in the healthcare system, the data they use and current and future applications of analytics in healthcare.



**Samir Benosman**  
*Director, Health System Strategy & Analytics. Chicago, USA*  
PhD Biology, Université L. Pasteur, France  
Veterinary doctor, Ecole Nationale Vétérinaire, Algiers



**10 min Break**

30 min

10:50 Artificial Intelligence  
11:20 Applications

Artificial Intelligence in Biometrics, Healthcare, and Brain-Computer Interfaces



**Larbi Boubchir**  
*Professor, Computer Science & Art. Intelligence. Paris, France*  
PhD Signal and Image Processing, Université de Normandie  
Computer Science Engineer, USTO Oran

20 min

11:20 Product Lifecycle  
11:40 Management

Principles and essential concepts of product lifecycle management in industry



**Hakim Settache**  
*Manufacturing Technology Manager, Paris, France.*  
Bachelor in Aeronautics, Polytechnique Montréal, Canada  
Computer Science Engineer, ESI Alger



**20 min Open Networking with Students**



جامعة عبد الحميد بن باديس  
مستغانم  
Abdelhamid Ibn Badis University  
Mostaganem

كلية العلوم الدقيقة و الإعلام الآلي  
مستغانم  
Faculty of Computer and Exact Sciences  
Mostaganem



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## Abstract

### Enterprise Data Management

Enterprise Resource Planning (ERP) systems are modular software solutions that comprise Human Resource Management (HRM), Inventory Management, Resource Planning and Reporting. Depending on the size and needs of the clients, these systems can have either a monolithic architecture or a modular one. We will provide an overview of the different types of solutions, their applications, limitations and future.

### Data & Analytics in Healthcare

Healthcare is a system of multiple players, each having incentives that may or may not align with the others and most importantly, with patient needs. The use of data and analytics is enabling the transformation of healthcare to be more collaborative, to align incentives for optimizing patient health, reducing healthcare costs, and improving patient experience. The potential for healthcare transformation through smart data and analytics combined with sound alignment of incentives is slowly underway and will revolutionize healthcare in the future.

### Artificial Intelligence Applications

Artificial Intelligence, which refers to simulating human intelligence in machines, is a growing research field. It became an emerging technology due to their benefits to resolve various complex problems in several domains. This talk aims to provide an overview of the artificial intelligence applications that we develop in : (i) Biometrics for the identification and authentication of individuals using their physiological and behavioral traits, (ii) Healthcare field for the detection and diagnosis of diseases, and (iii) Brain-Computer Interface (BCI) for the interpretation of thought in order to assist people with disabilities and also to understand the behavior of brain activities.

### Product Lifecycle Management

The digital transformation of companies is an essential path to guarantee innovation, development and the launch of new products. This choice has been made by the major actors in the industry today. In this new technological landscape, the management of the life cycle of products occupies an essential place but is not without certain difficulties. A presentation will be made of the fundamentals of this technology and the essential concepts of the PLM from an innovative ideas until the withdrawal from the market.