

# **PROJECT, DESIGN & MANAGEMENT**

Vol. 1 • Issue. 1 • January-June 2019

https://www.mlsjournals.com/Project-Design-Management

## **EDITORIAL TEAM**

#### **Editor in Chiefs**

Luis Alonso Dzul López. Iber-American International University, Mexico Roberto Alvarez. University of Buenos Aires - Argentina Lázaro Cremades. Polytechnic University of Catalonia (Spain).

#### Associate Editors

Alina Eugenia Pascual Barrera. Iber-American International University, Mexico José del Carmen Zavala Loría. Iber-American International University, Mexico Susana de León. Iber-American International University, Mexico Marco Antonio Rojo Gutiérrez. Iber-American International University, Mexico Otto Ortega. Autonomous University of Campeche, Mexico Alberto Gaspar Vera. National University of Lanus, Argentina Antonio López. Pontifical Catholic University of Chile, Chile

#### **Journal Manager**

Beatriz Berrios Aguayo - University of Jaen, Spain.

#### **International Scientific Council**

Miguel Angel López Flores National Polytechnic Institute, Mexico Brenda Bravo Diaz. National Polytechnic Institute, Mexico Fermín Ferriol Sánchez. Iber-American International University, Mexico Miguel Ysrrael Ramírez Sánchez, ber-American International University, Mexico Armando Anaya Hernández. Iber-American International University, Mexico Ramón Pali Casanova, Iber-American International University, Mexico Jorge Crespo Álvarez. European University of the Atlantic, Spain María Luisa Sámano Celorio, Industrial Research and Technology Center of Cantabria, Spain Carmen Varela Torrecilla. Industrial Research and Technology Center of Cantabria, Spain Alejandro Ruiz Marín, Autonomous University of Carmen, Mexico Asteria Narváez García. Autonomous University of Carmen, Mexico Ricardo Armando Barrera Cámara. Autonomous University of Carmen, Mexico Claudia Gutiérrez Antonio. Autonomous University of Queretaro, Mexico Felipe André Angst. Catholic University of Mozambique, Mozambique. Luis Borges Gouveia. Fernando Pessoa University, Portugal. Rodrigo Florencio da Silva. National Polytechnic Institute, Mexico Charles Ysaacc da Silva Rodrigues. University of Guanajuato, Mexico.

**Sponsors:** Funiber - Fundación Universitaria Iberoamericana Universidad internacional Iberoamericana. Campeche (México) Universidad Europea del Atlántico. Santander (España) Universidad Internacional Iberoamericana. Puerto Rico (EE.UU) Universidade Internacional do Cuanza. Cuito (Angola)

### **Collaborators:**

Centro de Investigación en Tecnología Industrial de Cantabria (CITICAN), Industrial Technological Research Center of Cantabria Research Group IDEO (HUM 660) - University of Jaén Centro de Innovación y Transferencia Tecnológica de Campeche (CITTECAM) - Mexico. Innovation and Technology Transference Center of Campeche - Mexico

#### Cover:

Image created through the Funiber - Fundación Universitaria Iberoamericana own team

•	Editorial6
•	The Basis of Economic Growth in Peru
•	Socio-educational Intervention Program to Achieve a Healthy Lifestyle
•	Applicability of Criticism in the Maintenance of Equipment
•	Diagnostic of Self-Assessment of Students of the Design Module from the Projects Area of FUNIBER about IPMA 4.0 Competences Certification
•	Drivers for Success and Failure in Project Management: A Focus on Best Practices
•	Theoretical Perspective of Early Stimulation Projects: An Approach based on the Meta-Analytical Point

Consultores (Ecuador)

## Editorial



It is our great honor to present the MLS Project Design & Management Journal as a space for the scientific discussions of all researchers of the world. Our fundamental interest is to become an medium of expression through which diversity enriches us, so as to disseminate scientific works and deepen the knowledge associated to current problem solving within all types of projects. Without a doubt, we intend to carry this out with the support of our expert partners, from the very conception of the art of projecting, to developing a set of research topics. This offers an interdisciplinary space under a new innovative, collaborative and integral concept toward all participating areas, not only within the administration of the necessary resources for a project, but for its design and development as well.

The journal we present today is a biannual publication, including this first volume of 6 articles on diverse topics and methodologies that are of interest due to their variety.

The bases for the economic growth of Peru are studied in the first article through a nonparametric methodology via the Malmquist Index, whereby it achieves breaking down multifactorial productivity in technical efficiency, as well as, in a pure technological change, with Peru, unlike other Latin American countries, having experienced an increase in the efficiency component with which its economy now operates.

The second article presents the design ad application for a research program in the socioeducational intervention for a group of retired professors older than fifty years of age in Papantla, Veracruz, Mexico. The purpose for the study was to promote a healthy lifestyle to achieve healthy aging, having the participants become involved in the different activities of the program and so improving their lifestyles.

The third article presents a preventive, predictive and corrective maintenance information system related with the data obtained through a Criticality Matrix, using parameters based on the maintenance and observational intervention history for audio and visual equipment such as Mechanical Scales, Winches, Hoppers and Sterilizers. Benefits were established, such as for the availability and security of equipment and product quality improvement.

The fourth article presents a research-action methodology focused on education with the objective of describing the self-evaluation of the competency levels for the International Project Management Association (IPMA 4.0) certification within a sample of students studying the Design Module. The relevance focuses on implementing the measuring tool associated with 28 competencies as pointed out by the IPMA.

The second to last article presents an introduction toward project environment and its systematic nature, highlighting the importance of carrying out this management through best practices, seeing as it is no easy task. Those factors that contribute to a project's success are also highlighted, for example, a highlevel sponsor that influences the decision-making organization in favor of the project in an effective manner.

Lastly, the main theories are developed on early stimulation and the analysis that leads to the structuring of four constructs, so as to design project models for said stimulation through means of the systematic information management method denominated Metanalysis. The search for strategic information will be assessed, along with the inclusion and exclusion criteria from the respective information of each construct, identifying the strategic functions and the managerial elements that contribute to the information's quality.

Finally, we cannot end this editorial without thanking the Fundación Universitaria Iberoamericana (FUNIBER) and those Universities who have provided human and material resources so that this first issue could be published. We would also like to thank the entire collaborating team that has supervised and contributed for this project to be realized.

> Dr. Luis A. Dzul López Dr. Roberto M. Álvarez Editor in Chiefs