TLAIO, BOOKS, 13TH ICOR AND TWO NEW NODES

In the meeting developed in Havana (March, 2018) with the members of the RIDECA of groups of from Mexico, Brazil, Spain and Cuba, the proposal to celebrate the TLAIO 19 in Melilla, Granada, Spain was approved. The conditions of the Melilla node were exposed to carry out this action.

Withal, RIDECA has just published the first volume of the new series, identified as proposed in the meting developed in Puebla-2017, as "Applied Quantitative Methods". The book entitled "Algorithms, Strategies and Models in Applications of Quantitative Methods" was launched at the 13th International Conference on Operations Research (ICOR). The 13th ICOR was focused on optimization, probability and statistics, economic mathematics, algorithms and teaching in operational research, event organized jointly by the University of La Habana and the Université Paris 1, Panthéon-Sorbonne.

This book began to be distributed as an electronic book, but a printed edition is with the publishing house Plaza and Valdes will be made in Mexico, with support from the Autonomous University of Guerrero, UAGro. This will give a greater impact to this work. It was approved to produce a new book in 2019 with the characteristics of this publication.

Concurrently, at this March meeting and the previous referrals, took place the process of review and approval of the creation of two new RIDECA nodes, created at the Federal Universities of Bahia (GAMMA-UFBA) and Southern Bahia (TECLIM-UFSB), about which the following descriptions are addressed, with links to contacts, more information and main lines of cooperation.

NODE TECLIM-UFSB

The Clean Production, Management and Sustainable Consumption (TECLIM-UFSB) research group of the Federal University of Southern Bahia (UFSB) was created in 2014 with the objective of seeking means to build sustainability, both in production and consumption processes, through interdisciplinary and multidisciplinary with approach in the technological, social, environmental and economic dimensions.

The main areas of activity of TECLIM-UFSB, led by the researchers Ricardo de Araújo Kalid (ricardo.kalid@gmail.com) and Milton Ferreira da Silva Junior (notlimf@gmail.com), are production engineering, as listed below, involving 34 researchers: professors, doctoral students, master's students, specialists and undergraduate students (https://www.dropbox.com/sh/lem8rzgqjx7x5zk/AACVY-b5GxhwT-7AzNXMmo12a?dl=0).

- Biofuels and production of biomass and hydrogen for energy purposes
- Ethical Capture and Technology Transfer
- Characterization and prospection of technologies for the sustainable use of flora and fauna biodiversity
- Design, Architecture and Sustainability
- Industrial Ecology and tools for sustainability assessment
- Forest economics and sustainability
- Strategic and innovation management for sustainability
- Environmental Optimization of Processes: Industrial, Urban and Rural
- University and sustainability

The RIDECA node TECLIM-UFSB was approved under the academic coordination of Professor Ricardo Kalid (UFSB) and the participation of researchers Kennedy Fernandes (UFSB), Milton da Silva Júnior (UFSB), Eduardo Cohim Silva (UESC) and Rilton Primo (UFBA), which responds to the executive coordination of the core.

NODE GAMMA-UFBA

On August 2012, the Growing With Applied Modeling and Multivaried Analysis – GAMMA was created on the 6th floor of Polytechnic School within the Federal University of Bahia (UFBA), group which leader is Karla Esquerre (karlaesquerre@ufba.br), PhD that integrates the GAMMA-RIDECA node together with researchers Adonias Magdiel and Angelo Santana, both from the Department of Mechanical Engineering at UFBA.

The GAMMA is an ambient for research and discussion of multivariate statistical methods. The contributor of this research group are seven PhD students, ten master's students, eight institutional scientific initiation scholarship program students and business professionals of the Industrial Engineering Program (PEI) and Masters in Environment, Water and Sanitation (MAASA), as well as being composed of teachers and students interested in challenges involving time series, machine learning, multivariate statistics and so on (www.gamma.ufba.br).

The GAMMA study repository can be accessed through the link: http://www.gamma.ufba.br/publicacao.html