



10th Colombian Encounter of System Dynamics

“System Dynamics: An approach in management and troubleshooting”

University Encounter of Industrial Engineers - EUDII XXIII

Dates: September 26th, 27th y 28th of 2012

Place: Icesi University, Cali – Colombia. Auditoriums Manuelita, SIDOC, Fundación Valle del Lili and Varela

Description of the Event:

Every semester Icesi University and its Industrial Engineering Program opens a space for students to get related to key subjects, selected according to their impact with the industrial context in the region and the country. The Graduation Project I students (8th Semester) are in charge of the organization of EUDII: University Encounter of Industrial Engineers.

EUDII, an academic event offered to the academic community, pretends that the students who organize the event, develop team work, planning, and project development skills. Also, it offers to all the participants (without any cost), updated information about the latest topics in Industrial Engineering.

In this opportunity EUDII will organize the 10th Colombian Encounter of System Dynamics along with Universidad del Valle. The main topic will be *“System Dynamics: An approach in management and troubleshooting”*. The System Dynamics approach is characterized by understanding the complex relationships of a system over time. That is why the purpose of the event, is to be a window for professors, entrepreneurs, undergraduate and master students to have the opportunity to learn about this tool that can be used for analysis and systematic study of complex problems that can occur in the industry.

The encounter will cover topics like the ones stated below:

- Formal aspects of language and methodology of System Dynamics
- Industrial applications
- Ecology and Environment
- Sustainable agriculture
- Economy and society
- Education
- Energy
- Management and public policy

- Planning
- Logistics and productivity

Target Audience:

The event seeks the participation not only from students of different universities in the region (Valle del Cauca), but also those located in other cities around the nation, belonging to Industrial Engineering programs and related careers. The participation of entrepreneurs and enterprises interested in the proposed topic is also expected.

During the summon campaign, it is projected to reach the university community and entrepreneurs with the use of the event information and sponsor companies. During the event it is expected the attendance of about one thousand (1000) people.

Event Stages

Stage One - Pre Event:

The announcement to the entire student community of Icesi University, to other Industrial Engineering programs and related careers of universities in Valle del Cauca and the rest of the country will be made through media such as: the Icesi University and the Industrial Engineering Program website, the 10th Colombian Encounter of System Dynamics website, internal LCD screens, posters, invitation letters, emails, radio stations and television programs across the country. The students organizing the event will carry out activities aimed at obtaining resources, the coordination and selection of speakers, and the call for participating companies.

Stage two - Development of the event:

The event will be held on September 26th, 27th and 28th and will develop as follows: the event starts at Icesi University on September 26th from 2:00 pm to 6:00 pm. On September 27th it will begin at 8:00 am and presentations will end at 6:00 pm. On September 28th, the event will also start at 8:00 am and end at 12:00 noon. At the end of the event, a report will be prepared to comment on the development of the event, taking into account, the assessment at the time of the presentations. There will be three one-hour plenary international speakers experts, and between 50 and 60 papers of 20 minutes of professionals, masters students or undergraduate students who have developed research projects in this area and who have been previously selected by the organizing committee. There will be breaks which offer the audience some snacks. Special guests and speakers will be invited to lunch.