



XIV INTERNATIONAL CONGRESS ON SURVEYING, CADASTRE, GEODESY AND GEOMATICS - REPORT -



The XIV International Congress on Surveying, Cadastre, Geodesy and Geomatics was held in San José, Costa Rica, from September 22 to September 24, 2016, under the theme: **“Facing new challenges, Surveying Engineering on Evolution”**.



The goal of the congress, proposed by the president of the Colegio de Ingenieros Topógrafos (CIT), period 2014-2016, Eng. Daniel Acuña Ortega was:

- a- Show participants scientific advances related to the exercise of the profession.
- b- Gather national and international professionals to generate analysis, discussion and updated knowledge.
- c- Offer knowledge towards professionals of the field by imparting conferences characterized by quality that promote discussion based on a work agenda.

The main themes of the congress were:

1. **The management of geospatial information:** With presentations as the *“Ley del Sistema de Información Geoespacial del Estado Libre Asociado de Puerto Rico, el Desarrollo e Implementación del Marco Geodésico Dinámico Nacional”*.
2. **The perspective of the development of the profession:** With presentations as *“CIT- Ingeniería Topografica en Evoluacion”*, *“Primera Red Geodesica en Costa Rica”*.
3. **Infrastructure development:** With presentations as *“Retos Topográficos en el Proyecto Hidroeléctrico El Diquís Instituto Costarricense de Electricidad”*, *“Topografía en el sector eléctrico de transmisión y transformación”*.
4. **Cadastral and Land Management** With presentations as *“Bodas de Plata del Catastro Multifinalitario en América Latina”*, *“Marco Legal del Ordenamiento Territorial”*, *“Zonificación del territorio con el uso de una Matriz de Criterios Combinados”*, *“Actualización Catastral utilizando un vehículo aéreo no tripulado”*.
5. **Entrepreneurship:** With presentations as *“Plataforma de Ingeniería de Dibujo, Entorno al mundo del Emprendedurismo”*.

The congress gathered 375 participants in general, 86 students and 30 foreign professionals from Argentina, Brasil, Uruguay, Colombia, Panama, Mexico, Puerto Rico, USA and Spain.

The young participants came from the 3 universities in which the profession is taught in Costa Rica, from the State Universities:

-Universidad de Costa Rica - UCR since 1965 – Surveying Engineering.

-Universidad Nacional - UNA since 1974 –Survey, Cadastre and Geodesy Engineering.

From Private Universities:

- Universidad Autónoma de Centro América - UACA since 1997 Surveying and Cadastral Engineering.

CIT has many professional members with different degrees regarding their education: 644 technicians, 949 bachelors, 230 graduates, 10 Master and a Doctor. Also, it counts with professionals of different ages, 522 participants under 35, 780 between 35 and 55 years old and 719 over 55 years old.

In this case, on the main theme of Entrepreneurship, I explained about FIG and its activities including the opportunity to participate in the 10 FIG technical commissions. I also told about the young surveyors network in Argentina, Uruguay and Colombia, motivating young surveyors in Costa Rica to join our network with the chance of organize different meetings in the near future.

The Young Surveyors of Latin America are ready to take action!!



- Submitted by Melissa Robert, Surveyor Engineer and Coordinator, FIG Young Surveyors Network in Latin America, Montevideo, Uruguay.

- With the colaboration of Paulina Hidalgo and Alberto Calderón, Surveyor Engineers, Universidad de Costa Rica, San José, Costa Rica.