Women Geodesy Engineers and Their Problems in Turkey

Sibel SEYHAN, Turkey

SUMMARY

Mapping is an art and science, which is a way of projecting objects on the Earth’s surface onto a reference plane according to a proposed scale. From the beginning to the present time, people have portrayed their environment in this context. Today, objects on the Earth’s surface, which had been described by means of paintings, sketches, text or drawings along history, have expressed by coordinates. Moreover, engineering activities take place not only on the Earth’s surface but beneath and above it as well, which require a 3D representation of the Earth.

Mapmaking in the 19th century was an art and maps were made by contemporary sailors and travelers. Mapmaking was a man’s job at that time when sailors were men. In the 20th century, mapmaking has turned its direction to the engineering based on arithmetic and geometry with calculations and drawings. And it has become to be called “Geodesy Engineering”.

Geodesy engineers do not only produce maps but also apply plans to real life situations. Furthermore, real estate cadastre which is a unique record system of real estate and registration rights is in the scope of geodesy engineering works.

With the advance of science and technology, the application areas of geodesy engineering have expanded over the years. And this has increased the number of women in engineering. Although present facilities have gradually softened the hard conditions of the fieldworks for women engineers, there are still some obstacles. Unfortunately, women as half of Turkey population are not a large percentage of workforce in this age. Especially, the ratio of women to men in engineering is very low. In this study, the current status of female geodesy engineers is presented.

CONTACT:
Title: Mrs. Sibel Seydan
Job Title: Surveying Engineer (MSc)
Organization: Cadastre and Land survey IX th Regional Center
Tel.: + 90 5335181004
Email: sibel.seyhan@hotmail.com
Country: Turkey
Sibel SEYHAN, Turkey
Women Geodesy Engineers and Their Problems in Turkey

FIG Congress 2010
Facing the Challenges – Building the Capacity
Sydney, Australia, 11-16 April 2010