



STATE OF ISRAEL



Israel's Agency for
International Development
Cooperation
Ministry of Foreign Affairs



CINADCO
Center for International
Agricultural Development
Cooperation
Ministry of Agriculture and
Rural Development



ARO
Agricultural Research
Organization



**Institute of
Agricultural Engineering**

R&D Division

Course On:

Agricultural Engineering Technologies

October 23rd – November 15th, 2012



**MASHAV – Israel's Agency for International Development
Cooperation, and CINADCO - Center for International Agricultural
Development Cooperation, in cooperation with the Institute of
Agricultural Engineering, ARO, invite professionals to participate in
the course on:**

Agricultural Engineering Technologies

**which will take place in CINADCO's Training Centre, Volcani
Agricultural Complex, Israel**

October 23rd – November 15th, 2012

Background

The general objective of the Institute of Agricultural Engineering (IAE) is to develop and introduce new concepts, methods and systems that will advance Israeli agriculture and assist Israeli farmers. The activities of the Institute are mostly application-oriented. R&D projects cover a wide range of subjects, such as harvest and post-harvest systems, greenhouse technologies and environmental control, livestock management and technologies, soil disinfestations and chemical application systems, quality management and control and production management, intelligent automation and robotics, precision farming and remote sensing. The Institute has successfully completed numerous R&D projects, whose applications can be seen in action both throughout Israel and overseas. The Institute collaborates with farmers, commodity groups, regional processing plants, the Ministry of Agriculture's Extension Service, and industry, as well as with national and international research organizations and universities.

Aims

Upon their return to their home countries, it is expected that participants should be able to:

- Initiate and conduct research needed for optimum adaptation to Agricultural Engineering Technologies;
- Transfer the knowledge to extension workers and farmers;
- Contribute to the scientific knowledge on these subjects in their home countries;
- Maintain the scientific relations formed during the course; implement agricultural projects and joint research with scientists from Israel and their respective countries;

Main Subjects

- Industrialization, optimization and automation in agriculture.
- Quality control and production management.
- Precision Farming, remote sensing, GIS and GPS technologies.
- R&D of environment and climate control in greenhouse and husbandry.
- Alternative and environmental friendly pest control methods.
- Intelligent automation and robotics.
- Specialized computerized decision support systems.
- Sophisticated harvest and post-harvest systems and dedicated sensors.
- Precision livestock management.
- R&D in Bio-fuels and biomass technologies.
- Topics in agriculture and environment relationship.
- Application of soil and water technologies.

Qualifications

The Course is designed for the people from national organizations, academic, extension or government institutions. Participants must have a relevant academic degree and at least 3 years of practical work experience relevant to the course.

First priority will be given to groups of professionals from academic and extension institutes involved in Agricultural Engineering Practices with and/or under the aegis of national and/or international organizations, institutions, universities, NGOs, etc.

Good command of written and spoken English language is essential.

Application forms

Application forms and other information may be obtained at the nearest Israeli mission and at Israel's Ministry of Foreign Affairs website: <http://mashav.mfa.gov.il> (in Contact Us → Information and Registration).

Completed application forms, including the medical form and the attached professional questionnaire should be sent to the Israeli mission in your area and also faxed or e-mailed to CINADCO Training Center in Israel: Fax no: +972 3 9485771 / e-mail: sigalp@moag.gov.il . MASHAV will award scholarships covering tuition fees, full board accommodation (two participants share a room), basic medical insurance and transportation to and from the airport. Scholarships do not include international airfare and per diem.

General Information

Location and accommodation

The course will be held at the Volcani Agricultural Complex, situated 10 km east from Tel Aviv, .

Transportation

Participants will be transported from and to Ben Gurion airport, **without charge**, by Tal Limousine Company, which is located on the mezzanine level at the Arrivals Hall. Participants are requested not to take any other transport company.

Clothing

The course will be held in the winter. Temperatures may vary between 10°C and 20°C with probabilities of rainfall. It is therefore recommended to bring warm clothing, suitable footwear for field trips and swimwear.

Insurance

Participants are medically insured by a health insurance policy. This policy does not cover the treatment of chronic or serious diseases, dental care, eyeglasses, pregnancy and specific medication taken by the participant on a regular basis. Participants are required to bring with them their usual medication. No insurance of personal belongings like money, video cameras, laptops or jewelry will be provided.

About MASHAV

Israel's Agency for International Development Cooperation (MASHAV) was founded in 1958 as part of Israel's Ministry of Foreign Affairs. MASHAV is responsible for initiating and implementing Israel's development cooperation programs worldwide. MASHAV aims at transferring to developing countries the expertise and technologies that have assisted Israel on its own path to development. Today, Israel cooperates with over 140 countries, providing training in Israel and abroad, and operates on-site long-term demonstration projects. MASHAV is active in fields ranging from agriculture to health and from community development to entrepreneurship. <http://mashav.mfa.gov.il>

About CINADCO

The Center for International Agricultural Development Cooperation (CINADCO) is a part of the Israel Ministry of Agriculture and Rural Development. Since 1958, CINADCO has been in charge of the International Agricultural program conducted by MASHAV in Israel and abroad. CINADCO's activities consist of: International and country "tailor-made" courses in Israel, on-the-spot courses, long- and short-term projects and advisory missions. Israeli experts have also been sent to different locations around the world to conduct projects and to share their expertise in various aspects of agricultural production, extension and project planning. <http://www.cinadco.moag.gov.il/cinadco>

About ARO

The Agricultural Research Organization (ARO) is the research arm of the Ministry of Agriculture and Rural Development and is responsible for most of the agricultural research conducted in Israel. The scientists of the ARO collaborate with the regional R&D Stations and with the Agricultural Extension Service of the Ministry of Agriculture. Research at the ARO aims to improve existing agricultural production systems and introduce new products, processes and equipment on which Israel's future agricultural efforts will be based. ARO website: <http://www.agri.gov.il>

For further information please contact:

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