Centro Internacional de Física
Bogotá, Colombia
COMSATS meeting, Cairo 2017
Eduardo Posada
Director
Research Groups

• Biophysics:
  Tropical diseases: Leshmaniasis
  Neurosciences: Mechanisms of vision in insects

• Environmental biotechnology:
  Strategies for mitigating the impact of climate change in agricultural regions
Research Groups

• Materials science

  Study of the transport properties of superconducting thin films
  Laser annealing of thin films
Research Groups

• Applied Physics and instrumentation
  • Development of solutions for industrial problems
  • Great experience in the electrical sector
  • Development of solutions for reduction of energy consumption in the public sector
Some products already available

• Patent for improved Leshmaniasis treatment
Some products already available

- Equipment for on-line monitoring of temperature and current of high voltage transmission lines 220kV, 115kv, 11kV. Already being used by the largest electric company.

Patent in process
Some products already available

Smart grid for on-line monitoring of domestic power consumption. 10000 power meters installed in several cities. On line connection and disconnection.
Other activities

• Creation of high-tech industries
  – Teclaser: Precision laser and water cutting services for industry
  – Zai: production of equipment for electrical industry
  – Aidetec: installation and maintenance of measuring equipment
National networking
International Networking

- COMSATS
- ICTP
- TWAS
- Max Planck Institute, Goettingen
- Ecole de Physique et Chimie, Paris
- Paris VI
- NWY, Biophysics Institute
- Woods Hole

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What can we offer to COMSATS

- Short stays for scientists in the fields of our activity
- Co-direction of Ms. and PhD thesis in bio-physics with universities to determine
- Training of young entrepreneurs in our industrial experiences
- Sharing our experiences in science policy