

# UNESCO Chair in Transfer of Technology (UNESCOTT)



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(UNESCOTT)

Chair Holder

Prof. Ahmed Obeid Hassan

## UNITWIN/UNESCO Chairs Programme ?

- UNESCO's response to main trends in international cooperation in Higher Education and scientific research
- Develop inter-university solidarity to support Higher Education and research in developing countries
- Alleviate the adverse effects of the brain drain
- Build up centres for advanced studies and research
- Secure support of the international community for institutions and systems of Higher Education and Research in developing countries

# Trends

- Socio-economic development has become increasingly knowledge-based. Hence increased role of Academic Institutions in society
- Widening of the knowledge gap between industrialized and developing countries
- Situation of Academic Institutions became dramatic in the developing countries, especially in sub-Saharan Africa
- Need for a mechanism to contribute to the rapid transfer and sharing of knowledge via links and exchanges
- Increased scale of brain drain from developing countries
- Inter-university cooperation has emerged as major instrument for channeling support both to national systems and to institutions of Higher Education

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## MODE OF ACTION IN THE UNITWIN/UNESCO CHAIRS PROGRAMME

- Two modes of action
  - ☐ UNESCO CHAIR
  - ☐ UNITWIN NETWORK
- How to establish a UNESCO CHAIR ?
- Request
  - ☐ Universities
  - ☐ Other institutions of Higher Education
  - ☐ Research Institutions
- Approval, both by the institution and the National Commission for UNESCO

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# Creation

- Proposal submitted by IRCC, endorsed by the National Commission for UNESCO
- Examination of proposal by the units concerned in the UNESCO Secretariat
- Agreement between the host institution and UNESCO, signed by the DG and the DG of IRCC

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The UNESCO Chairs Programme is a joint undertaking  
UNESCO plays the role of catalyst

- The overall success of the programme greatly depends on financial and in-kind support from:
  - Partner Institutions in the industrialized countries
  - Host Institutions
  - Governments and governmental organizations taking part in the programme
  - NGOs of which agree to establish links between their own programmes
  - UNESCO's Programme Sectors under Regular Programme (Start-up funding)
  - Foundations and other donors
  - Industry and private sector

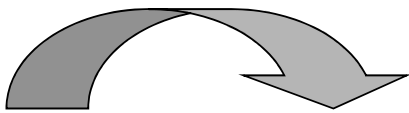
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# Nature of the activities

- **Setting up academic programmes in the field of Technology Transfer**
- **Training at undergraduate and postgraduate levels**
- **Conferences and workshops related to the field of Technology Transfer**
- **Research (emphasis on joint projects)**
- **Publications**
- **All activities are based on interdisciplinarity and involve an international dimension**

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## Main shifts contributed by UNESCOTT

**FROM**  **TOWARD**

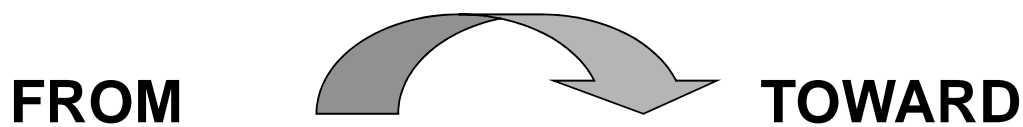
- |                            |                             |
|----------------------------|-----------------------------|
| • Shelved research Results | • Applied research Results  |
| • Fragmented Research      | • Cooperative Research      |
| • State dependence         | • Public service & outreach |



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## Main shifts Contributed by UNESCO TT (cont)



- Budget funding
- Discipline isolation
- National boundaries
- Entrepreneurship
- Functional integration
- International networking



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## Future goals

- To enhance multi - institutional research
- To secure expert advice and training related to Technology Transfer
- To promote concept of end user participation in research
- To support professionalism by introducing staff development programs
- To facilitate private sector / research networking through contracted research projects
- To Transfer income generating Technologies for the poor



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## ELEMENTS OF FUTURE STRATEGY

- ✚ Strengthening action at the regional and sub-regional levels
- ✚ Launching of Technology Transfer across Borders - (TTAB) initiative
- ✚ Facilitating the application of ICTs and of Open/Distance Communication
- ✚ Opening up to new partnerships and alliances
- ✚ Developing new funding strategy
- ✚ Making UNESCOTT better known in the country and regionally

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## Partnership with Africa City of Technology project

**To set up a science park “An organization” managed by the specialized professionals”, with the aim of:**

- Increasing the wealth of the community**
- Promoting the culture of innovation and**
- The competitiveness of its associated businesses and knowledge based institutions.**



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# Partnership with Africa City of Technology project

- **Stimulating and managing the flow of knowledge and technology amongst universities, R&D institutions, companies and markets.**
- **Facilitate the creation and growth of innovation based companies through incubation and spin-off processes and provision of other value added services.**



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# Partnership with Africa City of Technology project

**ACT is to be composed of six zones:**

- **ICT**
- **Materials & machine Design**
- **Environment & Eco Agriculture**
- **Biotechnology & Food processing**
- **Nanotechnology**
- **Education**



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## Partnership with Africa City of Technology project

Some current projects

- **National Bio Fuel programme**
- **Pan Africa E- Learning**
- **Technologies for income generation**
- **Sound idea incubation**



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# THANK YOU

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