
DRAFT

**Memorandum of co-operation
in pure and applied physics**

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Between

**The International Union of Pure and Applied Physics and
the Division of Basic and Engineering Sciences of UNESCO's
Sector of Natural Sciences**

Whereas the International Union of Pure and Applied Physics (IUPAP) is a non-governmental international scientific organization serving to advance the worldwide development of the physical sciences and to contribute to the application of physics toward solving problems of concern to humanity;

Whereas IUPAP's mission fosters international co-operation in academic and industrial research, application, publication and standardization in the physical sciences, with particular emphasis in regions where physics is less developed;

Whereas IUPAP is committed to promote ethical values and norms in science and the free and unhampered dialogue and movement of scientists, as well as science education and public understanding of science;

Whereas the Division of Basic and Engineering Science (SC/BES) is entrusted within UNESCO to promote international partnerships in science in the framework of Major Programme II – *Mobilizing science knowledge and policy for sustainable development*, and its associated main line of action 4, Supporting science, technology and innovation policies for sustainable development and poverty eradication, and developing capacities for basic sciences, energy and engineering;

Whereas capacity building through the promotion of international co-operation in the physical sciences constitutes a core of the Division's programme that puts particular emphasis on partnerships with non-governmental organizations, networks of national centres of excellence and on high-level training in research and university teaching;

Whereas IUPAP and SC/BES together with ICTP were the main organizers of the 2005 World Conferences on Physics and Sustainable Development (WCSPD) in Durban, which led to important resolutions and action items concerning physics education, physics and economic development, energy and environment, and physics and health.

Therefore, IUPAP and SC/BES hereby state and/or agree on the following:

1. The experience accumulated by both bodies in selected joint actions has paved the way for the establishment of a regular mechanism of cooperation that could produce a beneficial synergetic effect on returns of their programmes. It is noted that within such a mechanism each partner will retain full responsibility for its actions.
2. The partners will cooperate in:
 - the regular exchange of information on their activity and plans in the framework of their programmes. If requested, each body will contribute to those documents of the other needed for their members, governing bodies and partners;
 - addressing global and ethical issues that necessitate international expertise and/or action in the field of physical sciences;
 - advancement of physics through the fostering of international and regional co-operation in research projects;

- promoting the services of the physical sciences for the development of technologies, engineering, wealth creation and improvement of the quality of life;
 - helping to advance the training of young scientists, both men and women, in particular from developing countries and the least developed of them;
 - evaluation of international projects and programmes;
 - co-sponsoring activities contributing to the implementation of the programme of both partners;
 - launching and implementation of projects that follow-up the recommendations of the WCPSD.
3. The Memorandum comes into force once signed and will be renewed or expired by 31 December 2011. If need be, the Memorandum can be amended or complemented by addenda addressing selected issues of co-operation between IUPAP and SC/BES. This can be done through an exchange of letters between the President of IUPAP and the Director of SC/BES.

Mr Macej Nalecz
Director
Division of Basic and Engineering Sciences
Sector for Natural Sciences, (UNESCO)

Prof Alan Astbury
President
International Union of
Pure and Applied Physics

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