

Report on the WYP2005 in Sudan

The world year of Physics showed many activities in Sudan ,and ended with the establishment of the *Sudanese physical society* in the beginning of 2006.

1) On January 2005 a group of physicists (seniors and juniors) attended the launch conference of the WYP2005, in the UNISCO headquarter in Paris from 12 to 15 March 2005. The group which was lead by Dr.S.T.Kafi; from Alneelain university at Khartoum consisted of ten persons, half of them were students.

- Sudanese delegation to the launch conference of *WYP2005* in Paris:

- 1- Siddig. T. Kafi (*Senior Staff, head of the delegation*)
- 2- Abdalmoniem. M. Artoli (*Senior Staff*)
- 3- Abdalmohsen Tambal (*Senior Staff*)
- 4- Samia. O. Omer (*Junior Staff*)
- 5- Abdalfattah A. Mohammed (*Tecnician*).
- 6- Mayssa S. Fadalamawlah (*Student*).
- 7- Waleed Abdaraheem (*Student*).
- 8- Mohammed A Mohammed (*Student*).
- 9- Masheir Babikir (*Student*).
- 10-Suliman H. Suliman (*Student*).

* The delegation then visited the [Netherlands](#) for one week, where scientific tour was organized by *Prof. Marten Durieux* from Leiden University.

In the beginning they visited Huygens laboratory where scientific research in Biophysics was demonstrated by *Prof.Thijs Aartsma* , and research in low temperature Physics demonstrated by Prof.Marten Durieux.

*A visit to the Technical University of Delft was also organized by *Dr.Saïd Musa*. Demonstration of research in the field of Optics was held for 1 postdocs.

*Last visit was arranged to the Laser Physics laboratory of Amsterdam University where laser cooling was demonstrated.

2) On March 24th a conference about (*Physics Status and Future in Sudan*) was organized for the first time. It was a one - day conference with near two hundreds attendees.

Talks in this conference focused on the past, present, and future of Physics in Sudan, what can physicists do for a developing country like Sudan? why Physics should student be taught? ...etc. The conference was patronized by *Prof. Mosses Mashar* deputy president of state who is a Sudanese pioneer in Physics.

3) Physics students from universities demonstrated Physics at secondary schools, to encourage the pupils to the line of Physics and to show why Physics can do for society and life .

4) A farewell day for the WYP2005 in Sudan was organized at Neelain university on the 31st of 2005. Three hundreds physicists from different generations and institutes gathered in the theatre hall of the university.

A letter from *Prof. Srinivasan* director of the ICTP was read on behalf of him to the audience. It was about the importance of the movements of the Physics community, and the necessity of the *Sudanese Physical Society*.

Students discussed their future and how can they have a secured future in developing country like Sudan.

Some mentioned that the interest of many students in Physics is decreasing because of the insecure future.

* Others demonstrated the necessity of having a physical society in Sudan

* An honorarium was made to *Prof. Ahmed Khogali* who was the first Sudanese Physics head department after independence (1956), and who is still active in the Sudanese physics community.

5) On the 22nd of March 2006 establishment of the (*Sudanese physical society*) was successfully achieved .A meeting of four hundred physicists gathered in the hall 308 in the Physics Department of Alneelain university to establish their society.

The meeting was directed by *Prof. Khogali, Dr. Attayeb Mussa* and *L.S.T.Kafi*. A committee was elected and Prof Khogaly is now the president of the first *Sudanese physical society* to be established.

Dr. S T Kafi,
Head of the Organizing Committee
General Secretary of the Sudanese Physical Society
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Khartoum, Sudan

