



NATIONAL INSTITUTE OF LASER ENHANCED SCIENCES

N I L E S



EBAL

Environmental and Biological Applications of Lasers

January 19-28, 2008

Cairo, Egypt



The objective of the proposed Institute is to build a creative advanced research and learning environment by bringing together world experts, postgraduates, PhD students, and post-docs from universities and research centres in the US and Africa to explore various practical implications of laser research and applications in the environmental and biological fields. A maximum of 50 participants are expected from each side. The number of invited lecturers will be around 10.

Institute Director

M. Abdel Harith

Introduction

The present Advanced Studies Institute is an extension to the 1st US – Africa Institute held in Durban, South Africa in November 2005. In addition to building a creative advanced research and learning environment by bringing together American and African experts, postgraduates and post-docs from universities, and research centers in the US and African countries, the main objectives of EBAL are to cover different up to date fields of environmental and biological applications of lasers, explore commonality of interests between American and African scientists and to open the door for establishing joint research projects among different participating Institutes. A maximum of 100 participants are expected from both sides in addition to about 10 eminent invited speakers.

General Information

The Institute will be held January 19-28, 2008. There will be two sessions daily, the first is in the morning and the second in the afternoon. In the final program the details of the Institute schedule, tours and entertainments will be given.

International Advisor Committee

M. Abdel Harith	Egypt
Th. Dlamini	South Africa
U. Becker	Germany
Z. Benlakhdar	Tunisia
A. Beye	Senegal
S. Buckley	USA
H. Shokair	Egypt
Ph. Mjwara	South Africa
A. Msezane	USA
S. Mtingwa	USA
M. Richardson	USA
B. Saleh	USA
S. Svanberg	Sweden
H. Von Bergmann	South Africa
A. Wague	Senegal
T. Youssef	Egypt

Topics

- ✚ Pollution monitoring and detection
- ✚ Environmental applications of laser physics
- ✚ Diagnostic techniques
- ✚ Remote sensing of the atmosphere
- ✚ Imaging techniques
- ✚ Laser tissue interaction
- ✚ Laser in microbiology
- ✚ Photobiological applications
- ✚ Lasers in medical diagnostics
- ✚ Applications in botany

Venue



Accommodation

It is planned to have the accommodation of all participants and invited speakers at in the same place where the lectures will be presented (A Hotel or Lodge). However, the exact information will be given later.

Advertising

Information about EBAL will be circulated through the ALC website and emailed to African and American Universities and Research centers.

Poster Exhibition

A Poster Exhibition is planned to give a wider opportunity for young researchers to present

Support to Young Researchers

... one another and with the invited scientists.

There will be a possibility for young researchers to apply for grants to cover their participation in the Institute. Priority will be given to researchers who submitted accepted presentations.

Details and application forms will be given later.

Funding

We are expecting financial support from the NSF, ALC, ICTP (Trieste), and other interested International organizations as well as local support from Cairo University and perhaps some companies.

Languages

The official language of the conference is English.

Invited Speakers: Tentative List

- | | |
|---------------|---|
| U. Becker | Fritz-Haber Institute der max-blank Gesellschaft, Berlin, Germany |
| Z. Ben Lakdar | El-Manar University, Tunisia |
| A. C. Beye | University Cheikh Anta Diop, Dakar, Senegal |

A. Z. Msezane Clark Atlanta University, USA

S. K. Mtingwa North Carolina A&T State University, NC, USA

S. Svanberg Lund Institute of Technology, Sweden

M. Richardson College of Optics& Photonics, UCF, Orlando, FL,
USA

B. Saleh Boston University, USA

H. Shokair NILES, Cairo University, Egypt

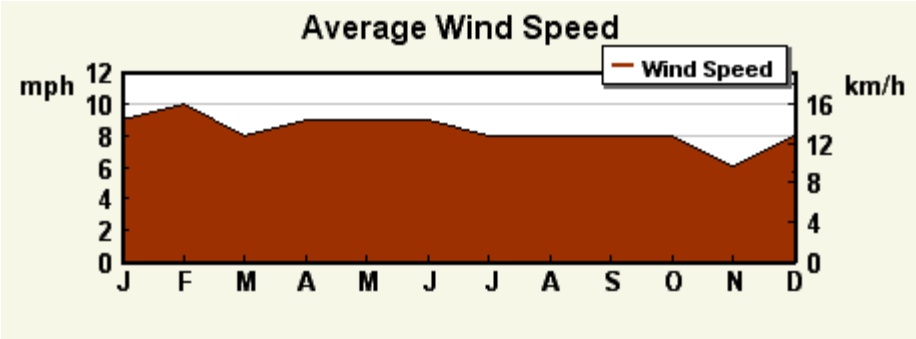
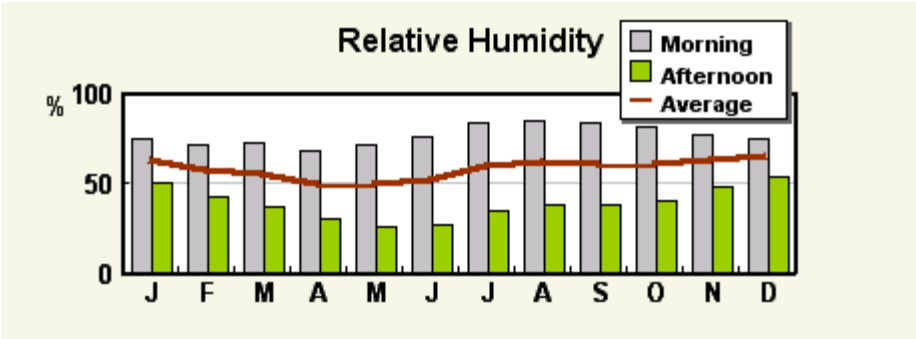
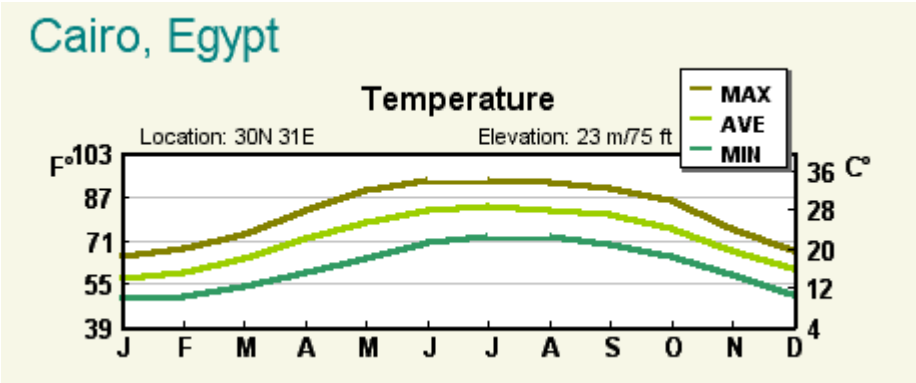
H. Von Bergmann University of Stellenbosch, South Africa

Tentative Schedule

Time	Saturday 1/19	Sunday 1/20	Monday 1/21	Tuesday 1/22	Wednesday 1/23	Thursday 1/24	Friday 1/25	Saturday 1/26	Sunday 1/27	Monday 1/28	
9 – 11	Registration	L 3	L 6	L 8	L 11	L 13	Trip	L 16	L 19	Closing Ceremony	
11- 11:30	Coffee Break							Coffee Break			
11:30 – 13:30	L1	L 4	L 7	L 9	L 12	L 14		L 17	L 20		
13:30 - 15	Lunch							Lunch			

15 - 17	L 2	L 5	Poster	L 10	Free Afternoon	L 15		L 18	L 21	Departure	
17 - 19											

Climate



Registration

Participation in the 2nd US-African advanced institute EBAL 2008 is open to all professionals in the field of environmental and biological applications of lasers.

How to register for “EBAL” 2008

Print the Registration Form from the Word file, complete it and send by fax or e-mail to the Institute organizing committee.

[EBAL Registration Form](#)

Surname

First name

Title

Date of Birth

Place of Birth

Nationality

Passport no.

Arrival Date

Departure Date

Institution/Company

Address

Phone

Mobile

Fax

E-mail

Rooms

Single

Double

Presentation

Oral

Poster

Conditions for Student Registration

To apply for the Student fees, it is necessary to send a photocopy of your student ID card or other document confirming your student status by fax, e-mail or regular mail to the Institute organizing committee.

Important Deadlines

Submission of extended abstracts and posters

31 July 2007

Registration ends by

30 June 2007

Application for grants

31 May 2007

Submission of full papers

on site

Institute Director

Prof. M.A.Harith

National Institute of Laser Enhanced Sciences

Email: mharithm@niles.edu.eg

Tel : +25675335

Fax : +25675335

Contacts

For registration and further information about the institute, please contact the organizing committee:



zienabzz@niles.edu.eg

asmaa@egypt.com

Organizing Committee

M. Abdel Hamid

A. Elhassan

A.Galmad

A.Khedr

Z. Abdel Salam

A. Elhussin

M. Hassan