



ANSOLE DAYS 2012

“Solar Energy for Sustainable Development”

17-19 February 2012

Venue: University Yaounde I, Yaoundé, Cameroon

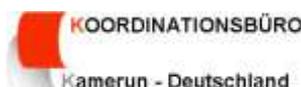
Background

For a very long time, much of the world's energy requirements have been met by digging oil wells and mine shafts, and plundering the Earth's resources, regardless of the resulting detrimental environmental effects. It is vital that we think ahead and find alternative, sustainable sources of energy that will cause less harm to our planet. The potential of solar energy is huge and the African continent is blessed with an abundance of sunlight. The Sahara alone can generate enough electricity to satisfy the energy demands of Africa and Europe, provided in-depth knowledge and research is applied, and a robust infrastructure is put in place to trap, store, distribute, maintain and use this renewable source of energy. With foresight, determination, dedication and commitment, we can establish a long-term supply of energy on economies of scale and scope.

As scientists, we are determined to conduct research that has immediate practical applications by opening and broadening the energy agenda and by systematically incorporating solar energy. It is argued that there is still an abundance of fossil fuel and it will not face depletion in the immediate future. However, if we wish to protect our environment for future generations it is imperative that we identify and develop another source of sustainable energy, and that is where solar energy plays a huge role, especially if we wish to future-proof our planet. We believe that the dearth or abundance of fossil fuels is irrelevant. It is the fact that as many sources of alternative energy with less damaging impact on the environment as possible must be actively researched, developed and used.

It is because solar energy has an unlimited and indefinite supply potential and can be harnessed with a less negative impact on the environment that both research that involves all the stakeholders and production with economies of scale is critical,

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brooking no further delay. For this reason, we have created the African Network for Solar Energy - ANSOLE ([ww.ansole.org](http://www.ansole.org)), whose goals and objectives are defined below:

Goals

The main goals of ANSOLE are:

- ❑ To foster training and education in solar energy at various skills levels (**training and education**)
- ❑ To foster research activities in the field of solar energy among African scientists and non African scientists who are directly involved in the education of African students and experts (**research**)
- ❑ To promote and encourage the use of solar energy in Africa (**economy, development and environmental protection**).

Objectives

The objectives of ANSOLE are:

- ❑ Training and education at various levels (labor forces, students, experts,...) in renewable energies in general and solar energy in particular.
- ❑ Exchange of students and visit of various research labs by scientists involved in the network.
- ❑ Joint research proposals to be financed by various funding institutions
- ❑ Joint publications.
- ❑ Organization of meetings in Africa,
- ❑ Graduate programs on renewable energies
- ❑ Promote the use of solar energy in particular and renewable energies in general in Africa
- ❑ Make solar energy accessible to everyone in Africa
- ❑ Creation of a database on scientific as well as economic operators of solar energy (renewable energies) in Africa
- ❑ Creation of regional research centres on renewable energies in different parts of Africa

With less than one year of existence ANSOLE is represented in 21 African countries and 10 non African countries totaling more than 200 members. It is worth joining this fast growing family by filling the membership application form found in our website: www.ansole.com





ANSOLE DAYS 2012

In line with its objectives, ANSOLE organizes an annual international gathering called ANSOLE DAYS: a forum of exchange among non-experts, scientists, researchers, industrial experts etc, all devoted to attain the goals and objectives of ANSOLE in order to address the acute energy problem in Africa while preserving and protecting the environment.

The first ANSOLE DAYS (ANSOLE DAYS 2012), with the theme "Solar Energy for Sustainable Development" will be held in Yaoundé Cameroon from the 17th to the 19th of February 2012 at Yaoundé University I. It is organized in partnership with the Linz Institute for Organic Solar Cells (LIOS) of the Johannes Kepler University, Linz Austria (www.jku.at), the University of Yaounde 1-UY1-(www.uy1.uninet.cm), the Ecole Nationale Supérieure des Travaux Publics-ENSTP-(www.enstp.cm) and the German-Cameroon Coordination Office-(Koordinationsbüro-Kamerun-Deutschland-KBK) (www.kbk-cameroon.net), a network of Cameroonian returnees from the Federal Republic of Germany, which was initiated by the coordinator of ANSOLE.

The meeting will consist of fundamental teachings delivered by renowned experts on various aspects of solar energy, oral and poster presentations of scientific research results, presentations by non-governmental organizations, charitable organizations and networks that directly or indirectly deal with renewable energies and/or environmental protection, brain-storming workshops of solar energy experts to identify common grounds for interdisciplinary research among African researchers, and an exhibition of innovative research results as well as local and international solar energy businesses.

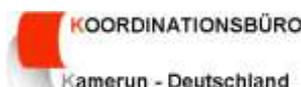
ANSOLE DAYS 2012 will also witness the first general assembly of ANSOLE members and the first meeting of the advisory board members one year after the constituting meeting in Linz, Austria. This is an opportunity to review the first year of ANSOLE's existence and to plan for the future. All advisory board members are urged to participate in ANSOLE DAYS 2012.

Topics

The following keynote lectures focusing on various fundamental aspects of solar energy will be presented by invited speakers:

- ❑ **“Status and challenges in the development of multicrystalline solar silicon”**
Prof. Joachim Möller, Technical University Freiberg, Germany
- ❑ **“What comes after wafer-Silicon and Thin Films in Photovoltaics?”** and **“Sustainable Energetics University Education”** Prof. Dieter Meissner, Tallinn University of Technology, Estonia

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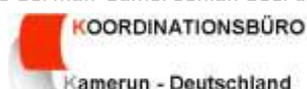
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- ❑ **“Organic and hybrid solar cells”** Prof. Serdar Sariciftci, Linz Institute for Organic Solar Cells, Johannes Kepler University Linz, Austria
- ❑ **“Materials design for organic and hybrid solar cells”** Prof. Daniel A. M. Egbe, Johannes Kepler University Linz, Linz, Austria
- ❑ **“Hybrid systems for a sustainable electricity generation: the “flexy-energy” concept”** Prof. Yao Azoumah, International Institute for Water and Environmental Engineering Ouagadougou, Burkina Faso
- ❑ **“Efficient spectroscopic methods used in photovoltaic research” and “SolarValley-Mitteldeutschland: The biggest research and industrial cluster for photovoltaics in Europe”** Prof. Gerhard Gobsch, Ilmenau University of Technology, Ilmenau, Germany
- ❑ **“The role of charge transport in polymer solar cells”** Prof. Nadia Camaioni, CNR-ISOF Institute, via P. Gobetti 101, Bologna, Italy
- ❑ **“Photoelectrochemical cells”** Prof. Yohannes Teketel, University of Addis Abeba, Ethiopia
- ❑ **“Solar cell quality control by both recombination and electrical parameters determination: Application to a vertical parallel multijunction silicon solar cell”** Prof. Gregoire Sissoko, University Cheik Anta Diop of Dakar, Dakar, Senegal
- ❑ **“Concentrated solar power technologies”** Dr. Bertrand Fankam Tantche, Agricultural University of Athens, Greece
- ❑ **“The role of networks in the advancement of science and technology”** Mrs Lesley Tobin, Institute of Nanotechnology, ICPC Nanonet Project, (UK)
- ❑ **“Fostering Sub Sahara African - German Research Cooperations by IB and BMBF”** Ms Nina Helm, International Bureau (IB) of the Federal Ministry of Education and Research (BMBF) at the Project Management Agency c/o German Aerospace Center (DLR)
- ❑ *Further renowned keynote speakers and the titles of their lectures will be announced successively on the ANSOLE webpage.*

In addition, we invite submissions of abstracts, presenting:

- ❑ Original research results in various aspects in renewable energies in general and solar energy in particular.
- ❑ NGOs, charity organisations, networks and institutions involved in training and education in solar energy, and in promoting the use of solar energy and renewable energies.

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- The situation of solar energy research and applications in various African countries/regions (regional and national ANSOLE representatives are urged to submit such abstracts/papers)
- Solar Energy and renewable energy businesses

Abstract template is downloadable from our website: www.ansole.org. Abstracts should be sent to the following email addresses: daniel.egbe@ansole.org, jmndjaka@yahoo.fr, joskenfack@yahoo.fr

Scientific Committee

Prof. Samuel Domngang, President of the Cameroon Academy of Sciences
- *Chairman*

Prof. Daniel A. M. Egbe, University of Linz, Austria-

Prof. Gerhard Gobsch, Ilmenau University of Technology, Germany

Prof. Yohannes Teketel, University of Addis Ababa, Ethiopia

Prof. Samir Romdhane, University of Carthage, Tunisia

Prof. Amel Romdhane, University of Tunis, Tunisia

Prof. Jean-Marie Bienvenu Ndjaka, University of Yaounde I

Prof. Serdar Sariciftci, University of Linz, Austria

Prof. E. Manguelle Dicoum, University of Yaounde I, Cameroon

Prof. P. Woafu, University of Yaounde I, Cameroon

Prof. César Kapseu, University of Ngaoundéré, Cameroon

Prof. Fon Abi, University of Yaoundé I, Cameroon

Dr. Joseph Kenfack, Ecole Polytechnique de Yaoundé, Cameroon

Prof. George Sissoko, University of Dakar, Senegal

Prof. Nadia Camaioni, CNR Bologna, Italy

Prof. George Elambo Nkeng, ENSTP Yaounde, Cameroon

Prof. Abdelfettah Barhdadi, University of Rabat, Morocco

Prof. Joachim Möller, Technical University of Freiberg, Germany

Dr. André Talla, ENSTP Yaoundé, Cameroon

Contact emails: daniel.egbe@ansole.org, jmndjaka@yahoo.fr, joskenfack@yahoo.fr

Organizing Committee

Prof. Oumarou Bouba, Rector of University of Yaoundé I-*Host of the event*

Prof. Daniel A. M. Egbe, ANSOLE Coordinator -*International Chairman*

Prof. Jean-Marie Bienvenu Ndjaka, University of Yaounde I-*Local Chairman*

Prof. George Elambo Nkeng, Director of ENSTP Yaounde-*Vice Local Chairman*

Dr. André Talla, ENSTP Yaoundé

Dr. Joseph Ndop, University of Yaoundé I

Prof. César Kapseu, ANSOLE Regional Representative for Central Africa

Prof. T. C. Kofane, Head of Physics Department, University of Yaoundé I

Prof. Samir Romdhane, Co-Initiator of ANSOLE-*In charge of the webpage*

Dr. Joseph Kenfack, Ecole Polytechnique Yaoundé

Dr Emelda Ngufor Samba, University of Yaoundé I

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Mr. Ludovic Etoundi, CEO of KBK Yaounde

Mrs Pauline Bihege, Treasurer of KBK Yaoundé - *Treasurer of ANSOLE DAYS 2012*

Dr. Patrice Mbaya, President of Board of Directors of KBK Yaoundé

Contact emails: daniel.egbe@ansole.org, jmndjaka@yahoo.fr, joskenfack@yahoo.fr

Working Language

English is the working language. In a few pertinent cases, such as in the opening and closing speeches by local authorities, French may be used and translation into English will be provided.

Communication

Fast internet connection will be provided at the conference venue from the 16th to the 20th of February. If possible, please bring along your internet connecting cable.

Venue and Travel Information

Cameroon

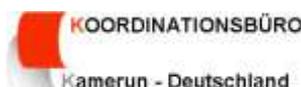
Cameroon is known as “Africa in miniature” due to its history, culture, landscape, flora and fauna. Cameroon, with a population of approximately 20 million inhabitants, is the only African country (and second only country in the world after Canada) where both English and French (the widely used official communication languages in Africa) are official languages, underlining once more its status as “little Africa”. Cameroon has hospitable people and less explored touristic sites. It is also the ideal African destination for beer lovers and its very high beer consumption (maybe the highest in Africa) is strongly related to German colonial influence. Cameroon offers a wide variety of foods and seasonal fruits, which are more than 90% organic (bio)... Cameroon has more than 20% muslim population, as such there are enough Halal food stores and restaurants in the capital Yaoundé. It is worth taking advantage of the opportunity to visit Cameroon, a country which has so much to offer, but is less known by tourists.

Yaoundé

Yaoundé is the administrative capital of Cameroon. It is the second largest city in the country after Douala, and has approximately 1,000,000 inhabitants. The city ranges over seven hills and with two rainy seasons and two dry seasons it is less humid than Douala. February is a dry period.

The University of Yaoundé I, built on the slopes of hills is the oldest institution of higher learning of the country and was the sole state university until the Higher Education Reforms in the early 1990's, which saw the creation of new state and private universities. There are presently around 20 universities in Cameroon.

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Visa

You will need an entry visa which can be obtained from the nearest Cameroonian embassy/consulate. If you require an invitation or acceptance letter for your visa application, please contact both the coordinator (daniel.egbe@ansole.org) and the chairman of the local organizing committee Prof. Jean-Marie Bienvenu Ndjaka (jmndjaka@yahoo.fr) and provide following information :

Full name as in your passport:

Passport No:

Date of issue: Place of issue: Expiry Date:

..... Nationality:.....

(Acc person) Full name as in the passport:

..... Passport No:

Date of issue: Place of issue: Expiry Date:

..... Nationality:.....

Always have a ball pen ready with you on the plane as you will need it to fill in the entry form to be handed to the border police.

Vaccinations

It is imperative to be vaccinated against yellow fever at least ten days before travel date. Medication against malaria is also advisable prior to travelling. Vaccination cards are controlled at the airports and borders.

Flights

Return flights from Europe and the USA to Cameroon are cheaper for a travel duration of at least one week. Spending a few warm days (before or after the conference) at the sandy Atlantic beach in Kribi (a coastal town located 2.5 hours bus drive from Yaounde) is recommended, especially during the winter period in the North Hemisphere. Please inform the organizers if you are interested in a trip to the beach or participating in the sight-seeing tour organized by the conference.

Accommodation and Transport

Hotel prices range from 20000 FCA (30€) to 60000 FCFA (90€) (3 to 4 stars hotels), while the majority are found in the lower price region. Most hotels have centralized internet systems, but very few offer internet connections in the rooms or wifi (Franco Hotel). The organizing committee will make the reservations for foreign participants. Transportation will be provided from the Nsimalen airport, Yaoundé to your hotel, and foreign participants will be shuttled between the hotel and the conference venue.

Deadlines

Abstract submission: 30th September 2011

Registration: 15th October 2011

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Notification of abstract acceptance and type of presentation (oral or poster):

15th October 2011.

For African attendees (students and researchers), it is advisable to submit your abstract and register early enough in order to receive financial support. Early registration is also necessary for better planning of the journey to Cameroon (Visa application, early booking of air-ticket, vaccination) bearing in mind the less developed inter-African transportation-infrastructure.

The registration form and the abstract templates are downloadable from our homepage: www.ansole.org

Registration Fees

Participants from non African companies:	200 € (250€ after 15.12.2011)
Participants from African companies	120€ (150€ after 15.12.2011)
Non African participants	100€(120€ after 15.12.2011)
Non African students	80€ (100€ after 15.12.2011)
African participants	60€ (80€ after 15.12.2011)
African researchers*	50€ (70€ after 15.12.2011)
African students*	25€ (35€ after 15.12.2011)
Accompanying non African persons	50€ (70€ after 15.12.2011)
Accompanying African persons*	25€ (35€ after 15.12.2011)

*African researchers and students are exempted from registration fees and other costs if they submit their completed registration form and abstract together with their CV and a short letter of motivation to the organizers (daniel.egbe@ansole.org, jmndjaka@yahoo.fr, joskenfack@yahoo.fr) before the deadline. Applications will be granted on a first come, first served basis. While the organizers are willing to search for additional support for travel and subsistence, this cannot be guaranteed and so the organisers would be grateful if any African scientific participants can support any part of their travel and accommodation costs. This will enable a higher number of participants from various parts of Africa to attend.

The registration fees include ANSOLE DAYS hand-outs (bag, notebook, pen, abstract booklet, sponsor's information flyer), participation in three days of lectures, workshops and exhibitions, lunch and coffee breaks and the conference dinner.

For African participants, on site payment can be made in Euros, or the equivalent amount in Dollars or in Francs CFA if there are difficulties in transferring the fees to the Cameroonian account number shown below. Cameroonian participants are requested to pay their fees (in FCFA) within the deadline (before 15th December 2011):

Name: Bureau de Coordination Germano - Camerounais
Account N°: 1005-0001-0191543150147
IBAN: : CM21 10005 00001 0191543150147
SWIFT: CCEICMCX

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Bank: Afriland First Bank; Agence: Yaoundé - P.O Box 11834, Place de l'indépendance
Reference: ANSOLE DAYS 2012

For non African participants, registration fees can be transferred into the account number below to avoid high transfer fees. The collected fees will be transferred to the Cameroonian local organizers as from the 15 of December 2011. Bank transaction between Europe and Cameroon required approximately 2 weeks. Please email the coordinator (daniel.egbe@ansole.org) to inform him about your money transaction. For transparency reasons, please bring a copy of your transfer receipt along with you to the conference. On site payments are also possible, if non African participants encounter difficulties in transferring money. Please inform the organizing committee in time via email (daniel.egbe@ansole.org, jmndjaka@yahoo.fr).

Recipient: Daniel A. M. Egbe
Bank: Raiffeisenlandesbank OO
Account N°: 1833813
Bank Code: 34000
BIC: RZ00AT2L
IBAN: AT78 3400 0000 0183 3813
Intended Use or Reference: ANSOLE DAYS (family name of participant)

Company Presentation, Exhibition and Promotion

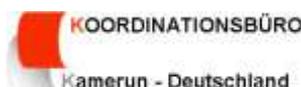
ANSOLE DAYS is offering the possibility for companies to present themselves in form of information flyer included in the hand outs, presentation in the abstract booklet or an exhibition stand with information materials. The fees for company presentation range from 150€ to 300€ depending on the level of presentation. This is valid for companies which are not sponsors. Please contact the organizers by email for arrangements (daniel.egbe@ansole.org, jmndjaka@yahoo.fr)

Sponsorship

Most African attendees (students and researchers) are not able to afford the expenses to attend ANSOLE DAYS 2012, and that is why we rely on different sources of donations and sponsorship to enable high attendance from different parts of Africa. Depending on the level of sponsorship, ANSOLE will grant the following benefits:

1. The sponsor's logo will be on the ANSOLE website for four months and will be printed in the abstract booklet
2. A separate information inset from the sponsor will constitute part of the handout to the attendees
3. The sponsors will be acknowledged during the opening and closing sessions of the meeting through power point presentations
4. The sponsors can send two co-workers to attend the meeting without registration fees (valid for sponsorship above 1000 €).

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5. Free space will be provided to showcase products and services.
6. Banners bearing the sponsor's logo will be placed in different parts of the meeting venue
7. The sponsor will be mentioned at the end event proceedings, which will be published on our website and via our dissemination channels.
8. A special certificate of thanks stating the level of sponsorship will be issued:
 - ❑ **Sponsor Solar:** 30000€ and above
 - ❑ **Sponsor Diamond:** between 20000 and 29999€
 - ❑ **Sponsor Gold:** between 10 000 and 19999 €
 - ❑ **Sponsor Platinum:** between 5000 and 9999€
 - ❑ **Sponsor Silver:** between 3000 and 4999€
 - ❑ **Sponsor Bronze:** between 2000 and 2999€
 - ❑ **Sponsor Silicon:** 1000 to 1999€
 - ❑ **Sponsor Hybrid** 500 to 999€
 - ❑ **Sponsor Organic:** up to 499€

In order to obtain a donation receipt (Spendenquitting) for tax reduction purposes European and American donors are requested to donate to the following account of a friendly charity organization (This until ANSOLE obtains a legal status and its own bank account, the process of legalization is going on)

Bank: Bank für Sozialwirtschaft Köln.
Account N°: 7232100.
Bank Code: 37020500.
IBAN: DE95370205000007232100.
BIC/SWIFT: BFSWDE33XXX.
Recipient: World University Service (WUS) e.V.
Reference: ANSOLE DAYS 2012

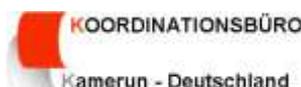
Cameroonians and other Africans can donate through the following bank account (Please send the organizers a scanned copy of your money transfer receipt)

Name: Bureau de Coordination Germano - Camerounais
Account N°: 1005-0001-0191543150147
IBAN: : CM21 10005 00001 0191543150147
SWIFT: CCEICMCX
Bank: Afriland First Bank; Agence: Yaoundé - P.O Box 11834, Place de l'indépendance
Reference: ANSOLE DAYS 2012

Publishing

Participants with accepted scientific abstracts are requested to submit a manuscript at the registration desk (one hardcopy + electronic version brought along with a USB-stick). The manuscripts will be reviewed and the authors will be notified. All accepted

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articles will be published in a special issue of African Journal of Science, Technology, Innovation and Development (AJSTID-www.ajstid.com) The recommended manuscript length is 6-10 pages. The paper should be prepared in one column format (justified) using Times New Roman 12 pt typeface on a A4 (210mm x297mm) without pagination and single line spacing. Margins: top-30mm, bottom, left and right-20mm.

The manuscript should contain:

- Title (16pt, bold, alignment centre);
- Name(s) of author(s)-(12pt, bold), address(es) and country (12pt, italic);
- Abstract (4-6 lines, 12pt) and keywords;
- The main text (Introduction, method, results and discussions, conclusion, acknowledgements and references; the headings of the parts should be written with font size 12pt, bold).

