

# ***ICE 2007-International Conference on Electroceramics, Arusha, Tanzania, 31.7 - 3.8.2007***

***ICE 2003- Boston, USA, America***

***ICE 2005- Seoul, Korea, Asia***

***ICE 2007- Arusha, Tanzania, Africa***



***ICE 2007 in Tanzania – it's interesting,  
it's beautiful, it's safe, it's accessible,  
and it will benefit (a little) Africans.***

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<b>Abstract deadline</b>	-	<b>March 15<sup>th</sup> 2007</b>
<b>Notification of acceptance</b>	-	<b>April 15<sup>th</sup> 2007</b>
<b>Registration deadline (lower rate)</b>	-	<b>May 5<sup>th</sup> 2007</b>
<b>Deadline for submission of papers</b>	-	<b>July 30<sup>th</sup> 2007</b>



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# *The motivation to have ICE in Tanzania*

- Tanzania is a peaceful democracy
- It is a multi-ethnic (some 120 tribes), multi-religion, tolerant country
- Population - 37 millions, surface  $\approx 1$  million km<sup>2</sup>



## Motivation

- Rarely have international scientific conferences been organized in Africa, although accessibility is as good as for any other continent. Conferences bring economical benefits to the locality in which they are held, so having a conference in Africa is a way to help its economy.
- Attending scientific conferences also contributes to a better understanding of cultural diversity - we will have here an opportunity to discover some facets of Africa.

# Accessing Arusha and about the region

**Arusha has an international airport** - the Kilimanjaro airport. Direct flights from Amsterdam. Convenient flights from Asia through Seoul or Bangkok (e.g. Tokyo-Bangkok-Kilimanjaro ≈1400 USD).

Arusha is 3.5 hrs by frequent bus shuttles (or some 40 minutes flight) from Nairobi, Kenya which is served by many airlines from all continents.

Dar-es Salaam, the capital is also served by many international flights, and has frequent internal flights to Arusha (1 hr flights).



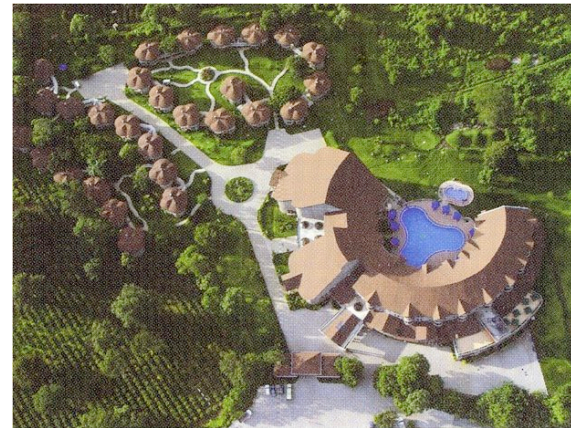
Arusha, (200'000 inhabitants) is located near the Kilimanjaro, the highest mountain in Africa. The languages spoken are Kiswahili and English.

**The Masaai tribe inhabits the region of Arusha. It is the base for visits of the large National Parks (safari): Serengeti, Ngorongoro, and others. Zanzibar, a beautiful, exotic island is easily accessible by ample inexpensive internal flights from Arusha.**

## *The conference venue*

The conference will be held in the Ngurdoto Lodge (\*\*\*\*\*) which is located outside Arusha, 27 km from the Kilimanjaro International airport.

The Ngurdoto Lodge is a new luxurious resort surrounded by coffee plantations with conference facilities for up-to 600 delegates, beautiful guest rooms and cottages, both Kilimanjaro and Mount Meru (the highest and third highest in Africa) can be seen from the Lodge.



3 conference halls, one plenary for up-to 600 persons, one for 400 persons and one for 150 persons will be at our disposal, as well as a large secretariat and a committee meeting-room. Posters will be posted in a large hall.





# Accommodation (location and cost)

- The conference rate at the **Ngurdoto Lodge (5\*)** will be ≈100 USD per night (single) and ≈120 USD (double) for rooms in the main buildings (bed and breakfast, taxes included), and an additional ≈20 USD per bungalow accommodation, which contains a living room and a bedroom. Triple lodging and family lodging is available.
- The lodging is tasteful and comfortable, e.g. Jacuzzi in each room. The facilities are first-rate (including a vast golf course), and the environment very attractive.
- The number of rooms at the Ngurdoto Lodge is 132.

For those who wish stay in town:

- The Impala hotel (3.5\*) in Arusha offers a conference rate of 65 USD per night (single) and 75 USD per night (double) for bed & breakfast buffet, all taxes included. Triple rooms and family rooms are available too. It has 160 rooms.
- Next to this hotel, at a walking distance, are many other hotels and restaurants most of them smaller and with lower rates (2\*-3\* - 20-40 USD per night).



# Conference topics (non-exhaustive list)

## **Electroceramics for Energy, Environment, and Health**

- Batteries, fuel cells & gas separation membranes
- Energy harvesting, energy conversion, solar cells
- Smart materials, MEMS, NEMS
- Piezoelectrics for ultrasonic medical devices
- Electroceramics in medical diagnostics (magnetics, superconductors, scintillators...)
- Sensors, varistors, PTCR

## **Electroceramics for Informatics and Communications**

- Integrated dielectrics and ferroelectrics
- Microwave dielectrics, piezoelectrics, ferroelectrics
- Photonic materials
- Magnetic and superconducting ceramics
- Multiferroics
- Oxides for resistive memories
- Ferroics for novel type memories
- Luminescent materials
- Electronic packaging

## **Synthesis & Structural Characterization of Electroceramics**

- Processing-powders and thick films
- Thin films, superstructures, multi-layers
- Self-assembly and arrays
- Nanocrystalline ceramics, interfaces,
- Sintering and microstructure development
- Crystal growth - bulk and thin film
- Grain boundary engineering
- Nanocomposites and mesoporous ceramics
- Microscopy, diffraction, spectroscopy, etc.

## **Properties and Modeling of Electroceramics**

- Modeling and simulation
- First principle calculations
- Functional properties of electroceramics
- Scanning probe microscopies, etc.
- Ionic, mixed and electronic transport phenomena, defects

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## Registration, conference proceedings

<b>ICE2007 registration rates:</b>	By 5.5.2007	After 5.5.2007
Regular participant: Fee includes: coffee breaks, 3 lunches, 2 diners, 1 banquet, 1 full day conference trip (+lunch), 1 cd with conference proceedings (published in the Journal of Electroceramics).	780 USD	870 USD
Full-time Student: (copy of current student ID and registration form from your university is required – fax to +41 21 693 5810) Fee includes: coffee breaks, 3 lunches, 2 diners, 1 banquet, 1 full day conference trip (+lunch), 1 cd with conference proceedings (published in the Journal of Electroceramics).	470 USD	520 USD
Accompanying person (age >16): Fee includes: 2 diners, 1 banquet, 1 full day conference trip (+lunch)	240 USD	290 USD
Child (age 8 - 15): Fee includes: 2 diners, 1 banquet, 1 full day conference trip (+lunch).	100 USD	140 USD

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## Social events



- Tuesday 31.7.07 18:30-20:30  
Reception, buffet style (and first poster session)
- Wednesday 1.8.07 18:30-20:30 1st  
August reception (Swiss National holiday), buffet style (and second poster session)
- Thursday 2.8.07 08:30-17:00  
Conference Tour: Visit of a Tanzanian village (housing, agriculture, education, meeting some of the villagers), visit of the foothills of Mount Meru (giraffes, zebras, beautiful vegetation), visit of the Kisimiri school complex (meeting pupils and teachers).
- Friday 3.8.07 18:00 – 23:00  
Conference Banquet  
An African feast, Tanzanian style: garden party, Tanzanian food, buffets scattered in the garden – roasted goat, ugali, tangafizi....., Tanzanian singers, Masaai dancers, acrobats, we are invited to participate in the dancing, help your-self – Tanzanian wine from Dodoma.

# On climate, safety, and health hazards

## Safety and health hazards:

Tanzanians are peaceful and tolerant.

The crime rate in Arusha is very low. However, as in every tourist center, one must be aware of pick-pockets.

It is recommended to take anti-malaria pills and not to drink tap water.

## Climate

Arusha is located on a high plateau with moderate climate and green surroundings.

Early August (early Spring) is typically pleasant, dry, and sunny (typically 21°C daytime, and 15°C at night).

In Zanzibar the air temperature is 29°C and sea 25°C.



View of Kili (Kilimanjaro) from the conference venue

## *Possibilities for pre-conference or after-conference tours:*

Arusha is a starting point for safari and mountain trekking:

- 2-4 days safari to lake Manyara, the crater of Ngorongoro and Tarangere National park
- 4-5 days safari to Serengeti National park
- 5 days Kilimanjaro climb
- 3 days Mount Meru climb
- Another beautiful option is to fly to Zanzibar (1 hr flight, 160 US\$). It is an enchanting island with a most beautiful capital – Stone Town. It is possible then to fly back home from Dar-es-Salaam (the capital) which is 2.5 hrs boat trip from Zanzibar, or 30 minutes flight.



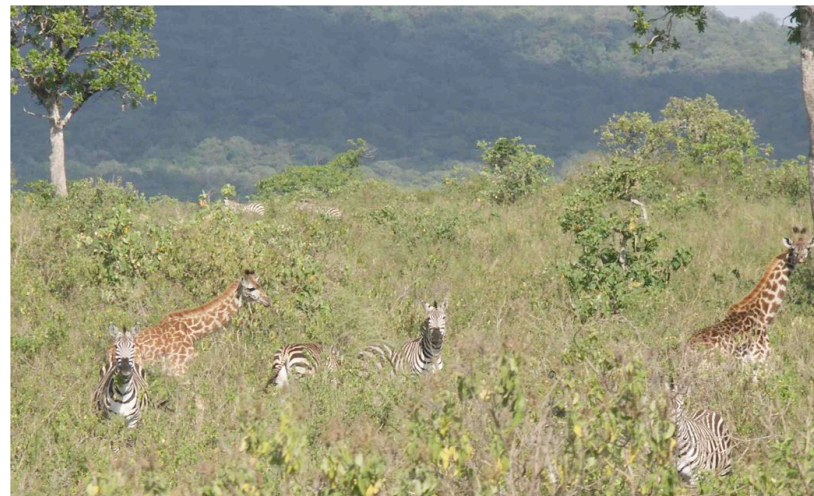


*... more to come ...*



*See you on 31.7.07 in Tanzania*

*Nava Setter*



**Photos taken in the vicinity of the conference venue**

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