



MOI UNIVERSITY
(ISO 9001:2008 Certified Institution)

6TH ANNUAL INTERNATIONAL CONFERENCE

CALL FOR PAPERS

CONFERENCE THEME:

“Knowledge Management and Applied Technological Innovations for Sustainable Development”



Margaret Thatcher Library, Moi University

DATE:

Tuesday 3rd – Saturday 7th August 2010

VENUE:

Main Campus, Margaret Thatcher Library

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ACCOMODATION AT ELDORET				
No.	Hotel	Residents	Non-Residents	Contact Person
1.	Hotel Sirikwa			Jeniffer 0722-331447
	i. Single Room (B/B)	2,800	65	
	ii. Double Room(B/B)	3,900	77	
	iii. Family Room (B.B)	8,000	150	
2.	Klique Hotel			Agnes/Liz 0727-329946
	i. Single Room (B/B)	2,500	-	
	ii. Double Room (B/B)	3,400	-	
	iii. Family Room (B/B)	-	-	
3.	White Castle Hotel			Judy 0722-711600
	i. Single Room (B/B)	1,200	-	
	ii. Double Room (B/B)	2,500	-	
	iii. Family Room (B/B)	-	-	
4.	Eldoret Wagon Hotel			Barrack 0721-825206
	i. Single Room (B/B)	1,700	-	
	ii. Double Room (B/B)	2,400	-	
	iii. Family Room (B/B)	3,100	-	

N.B. In case of any special assistance on accommodation contact: Peter Mutinda – +254(0)723 478841. E-mail: pmutindam@yahoo.com

Weather Information: Temperatures in Eldoret in August are expected to be between 12°C – 28° C.

CROSS CUTTING

This symposium is derived from the understanding that truth is multiple and therefore, phenomena, especially human phenomenon, is multidimensional and can only be wholly understood from multiple perspectives. The symposium seeks for papers that cut across two or more of the traditional academic schools and disciplines but fall within the general theme of the conference..

Academic Programmes:

All academic programmes fit into this symposium but emphasis is on programmes that are not participating directly in organizing the 2010 Annual Conference. However, any person is encouraged to participate as long as their topics fit in our symposium theme and subthemes.

- School of Aerospace Sciences
- School of Arts & Social Sciences
- School of Business & Economics
- School of Dentistry
- School of Education
- School of Environmental Studies
- School of Human Resource Development
- School of Medicine
- School of Natural Resource Management
- School of Public Health
- School of Science

For more information about these schools, please visit <http://www.mu.ac.ke>

CONFERENCE REGISTRATION FEE

The conference fees are as follows:

▪ East Africa	: KES.	6,500.00
▪ Moi University Students	: KES.	1,500.00
▪ Students from other Universities	: KES.	2,000.00
▪ Rest of Africa	: US \$	150.00
▪ Rest of the World	: US \$	200.00
▪ External Exhibitors Fee	: KES.	25,000.00

N.B. Registration fee shall cover conference materials, Teas/Snack, Lunches and local transport.

Welcoming Remarks from Vice-Chancellor



Dear Friends,

I wish to welcome you to Moi University. The Institution was established in 1984 by an Act of Parliament as the second public University in Kenya. The University system of training and education has been designed to allow capacity building of high caliber human that is well equipped to fit in the job market. Moi University is specifically built and uniquely equipped to meet the country's developmental challenges as well as addressing global concerns. As you attend our 6th Annual International Conference, you will appreciate the high level of researches that have been done by both staff and students. This pursuit of excellence has re-enforced the mission of the University which is to provide solutions to challenges facing the country in the 21st Century.

The conference therefore provides and opportunity for researchers to present their results in an interactive session with stakeholders. The dissemination of information and technology transfer aims at improving livelihoods of humanity in general and our community in particular. The conference will enable participants to exchange ideas towards quality improvement of academic standards.

It is from the aforesaid that I take this opportunity to invite you to attend this year's conference. I look forward to receiving you.

PROF. RICHARD K. MIBEY, FWIF, EBS
VICE-CHANCELLOR
CHAIRMAN

Remarks from Conference Organizer



Dear Participant,

Let me take this earliest opportunity to invite you to this year's 6th Annual International Conference whose general theme is: "*Knowledge Management and Applied Technological Innovations for Sustainable Development*" The theme of the conference covers a wide scope which allows all participants to present papers in all the symposia of the four schools and cross-cutting that comprises the conference cluster of this year.

The papers that will be presented in the conference will be published in any of our seven university refereed journals. The presentations will be done orally or by posters and other may just attend the conference without presenting papers. Those with posters will have separate area for display. In the past five conferences, we have had participants attending from all over the world; majority came from research institutions, middle level colleges and universities in Kenya and the East African Region.

The university each year through the annual research grant supports staff in the academic and the administrative divisions to undertake research. Those supported are required to present results in the subsequent conference. During the year campus-wide research workshops are mounted to prepare staff on how to undertake research and how to write competitive research proposals. Most of the staff presenting papers in the conference have benefitted from these activities. The staff of the university have also jointly done research with members of other institutions and communities. The results of their research have been disseminated in each year's conference.

On behalf of the university fraternity and the conference organizing committee, we would like to welcome you to this year's conference. Your attendance and contribution will be highly appreciated.

PROF. BOBBY E. L. WISHITEMI
DEPUTY VICE-CHANCELLOR R&E
ORGANIZER

Postgraduate Degree Programmes:

Master of Philosophy in Information Sciences (Information Technology)
Master of Philosophy in Information Sciences (Library and Information Studies)
Master of Philosophy in Information Sciences (Publishing Studies)
Master of Philosophy in Information Sciences (Records and Archives Management)
Master of Science in Information Sciences

D. Phil. Programmes:

Doctor of Philosophy in Library and Information Studies

Location: The above academic programmes are offered at Main Campus, Eldoret and Nairobi Satellite Campus

SCHOOL OF LAW

Introduction

The School of law was established in July 1994 as the Faculty of Law. It was renamed School of Law in 2005 following the implementation of the Moi University Strategic Plan (2005/2015). This bold step of starting the faculty was taken with particular interest in promoting "social justice" and expanding educational opportunities for Kenyans. The School of Law is headed by a Dean who is the administrative and academic Head of the School. Assisting the Dean on day-to-day administrative matters are four Heads of Departments and two Administrative Assistants.

Vision

To be a center of excellence in teaching and research, dissemination of legal knowledge and provision of high quality legal services.

Mission

Our mission is, to prepare students into competent lawyers of high ethical values committed to the provision of quality legal representation, a robust participation in national development and high sense of public service through a course of study that challenges the intellect, exposes students to practical training and nurtures honourable competition through moot courts.

Objectives

At the school of law we are committed to;

1. Promoting a commitment to integrity and truth in the Legal profession
2. Embracing consideration, Honesty and Fair dealing in academic affairs and in personal and professional relationship
3. Nurturing Scholarship and Research
4. Fastening teamwork innovation
5. Inculcating a sense of personal responsibility for adherence to the high and exacting ethical requirements of the legal profession.

ACADEMIC PROGRAMMES

Bachelor of Laws (LL.B)

The School offers a four-year Bachelor of Laws (LL.B) degree programme and is currently in the process of introducing Postgraduate programmes, namely; Diploma in Law, Master of Laws (LL.M) and Doctor of Laws (LL.D).

Location: The school is located 5 km from Eldoret town along the Eldoret-Nakuru highway.

D. Phil Programmes:

- D.Phil. in Energy Studies
- The minimum requirements are according to the Rules and Regulations of the School of Graduate studies for Doctor of Philosophy degrees.
- Candidates must be holders of a relevant Masters degree of Moi University or from institutions recognised by Moi University senate. In addition to the Masters degree, the candidate shall normally have a Bachelors degree.

Location: The above academic programmes are offered at Main Campus, Eldoret

SCHOOL OF INFORMATION SCIENCE

Introduction

The School of Information Sciences was established as the Faculty of Information Sciences, in 1988, with four teaching departments to offer education and training for the information professions at undergraduate and postgraduate degree levels. The faculty, then, established the Desktop publishing Unit (currently Moi University Press). But with the launch of the Moi University Strategic Plan, 2005–2015, two departments were merged, thus reducing the number of teaching departments from four to three: Library, Records Management and Information Studies; Information Technology; Publishing and Media Studies. In November 2009, the School launched a radio station (103.9 MUFM) for use by the Media students and the university in general.

Vision

To be recognized internationally as a centre of excellence in Information Sciences.

Mission

To offer education and training by developing high level manpower for the management of information systems, services and resources in Kenya through practical and development oriented programmes, research, continuing education programmes and community based information activities.

Objectives

1. To pursue excellence in teaching, research and outreach;
2. To produce well-informed practical and self-reliant graduates capable of offering expertise and promoting science and technology for national development; and
3. To promote culture and develop individuals who are responsive to the needs and well being of society.

ACADEMIC PROGRAMMES

Under graduate Diploma:

Diploma in Information Technology
Diploma in Journalism and Mass Media
Diploma in Publishing Studies

Undergraduate Degree Programmes:

Bachelor of Science in Information Sciences
Bachelor of Science in Media Science

CONFERENCE DATES

- (a) **Tuesday 3rd August 2010:**
Participant Arrival, Registration and Official Opening Ceremony.
- (b) **Wednesday 4th to Friday 6th August 2010:**
Conference Dates.
- (c) **Friday 6th August 2010:**
Closing Ceremony
- (d) **Saturday 7th August 2010 (Morning):**
Excursion and/ or Departure

Important Deadlines

Submission of abstract: **Friday 18th June 2010** via e-mail/soft copy.

Submission of full papers: **Friday 16th July 2010** via e-mail/soft copy

N.B. Send abstracts to respective symposium coordinators.

CONFERENCE PRESENTATION FORMAT

1. Oral /Poster Presentation. This should be:

- i. The principles of simplicity and clarity apply to both poster and slide presentations;
- ii. Your story should proceed logically, with headings indicating sections: Introduction, Objective(s), Materials and Methods, Results, Summary, and Conclusions.
- iii. Use photos or flow charts to help your audience better visualize the materials and methods. Graphs should have titles, the axes should be named, and units should be quantified.
- iv. Tables should also be titled.
- v. Include a small, professional picture of yourself near the abstract number and the title so people can identify you as the presenter of the poster.
- vi. Avoid excessive use of text.

2. Abstracts should be:

- i. On 1½ line spacing.
- ii. One page of Times New Roman font size 12 and not exceeding words.
- iii. Having key words at the bottom of the page
- iv. Having full contact details of the person: (Name, Institution, Cell phone, E-mail)
- v. Submitted via email/ soft copy to the relevant school symposium coordinator.

3. Full Papers

- i. Should be send via e-mail/ soft copy.
- ii. Not more than twenty pages of 1½ line spacing using Times New Roman font 12.
- iii. Should Introduction, Objective(s), Materials and Methods, Results, Summary, and Conclusions.
- iv. Submitted via email/ soft copy to the relevant school symposium coordinator.

SCHOOL OF ENGINEERING

Introduction

The School of Engineering has five departments namely: Electrical & Communications Engineering, Mechanical and Production Engineering, Civil and Structural Engineering; Chemical and Process Engineering and Manufacturing Industrial and Textile Engineering. The School offers eight undergraduate engineering degree programmes. All the engineering programs have Integrated Privately Sponsored Student Programs (PSSP) with the Government Sponsored Students (GSSP). This gives consistence in student evaluation and offers equal opportunities in the training process for all the students in our School .

Vision

Our vision is to be an internationally recognized centre of excellence in Engineering and Technology.

Mission

To endeavor to build engineering capacity for national development and wealth creation through training of highly skilled manpower in engineering, research, consultancy and extension services.

Objectives

1. Promote research scholarship and produce five (5) publications by June of each year.
2. Promote atleast one linkage in areas of research and industry by June each year.
3. Offer technical assistance in technological fields, in atleast five areas by June of each year.
4. Endeavour to produce atleast 150 dynamic graduate students by the end of each year.

ACADEMIC PROGRAMMES

Undergraduate Degree Programmes:

There are eight undergraduate programmes in the School leading to the award of the degrees of Bachelor of Engineering (B.Eng.) in the following disciplines:

- Agricultural and Bio-systems Engineering
- Chemical and Process Engineering
- Civil and Structural Engineering
- Electrical and Computer Engineering
- Electrical and Telecommunication Engineering
- Electrical and Electronics Engineering
- Mechanical and Production Engineering
- Manufacturing, Industrial & Textile Engineering

Postgraduate Degree Programmes:

The School offers five Masters of Science (MSc.) two Master of Philosophy (MPhil.) and one Doctor of Philosophy (PhD) degree programmes in:

- MSc. in Structural Engineering
- MSc. in Water Engineering
- MSc. in Chemical and Process Engineering
- MSc. in Textile Engineering
- MSc. in Industrial Engineering
- M.Phil. in Energy Studies
- M.Phil. in Production Engineering

- B.Sc. Horticultural Science and Management
- B.Sc. Seed Science and Technology
- B.Sc. Soils and Land Use Management

Post Graduate Diploma training in Seed Science Technology

Master of Science degree programmes:

- Agronomy
- Animal Nutrition
- Animal Production
- Apparel & Fashion Design
- Community Nutrition
- Dairy Production
- Horticulture
- Meat Production
- Plant Breeding & Biotechnology
- Plant Protection
- Seed Science and Technology
- Soil Science (Options: General Soil Science, Arid & Semi-Arid Lands, Soil Biology & Biochemistry)

Doctor of Philosophy programmes:

- Agricultural Entomology
- Crop Ecophysiology
- Crop Protection
- Plant Breeding & Biotechnology
- Plant Pathology
- Seed Science
- Soil Science (Options Soil Biology, Soil Fertility & Plant Nutrition, Soil Chemistry, Soil Physics, Soil Genesis & Classification, Soil & Water Resources Management)
- Weed Science

Location: The School is located at the Chepkoilel Campus of Moi University, about 10 km north of Eldoret town.

Moi University was established as the Second public University in Kenya by an Act of Parliament on 30th May 1984 and received Presidential assent on 8th June, 1984.

It was started as a university of science, technology and development. The university is endowed with well-trained, qualified and committed personnel as well as specialized equipment.

Article 4c of the Moi University act (1984) specifies that one of the major functions of the University is the “development and transmission of knowledge and skills through research.” Pursuant to this provision, statute 12e of Moi University empowers the council to “promote” and to make financial provisions to create facilities for a global centre of research excellence within the University.

Vision

To be recognized nationally and internationally as the University of choice in nurturing innovation and talent in science technology and development.

Mission

To preserve, create and disseminate knowledge and conserve and develop scientific, technology and cultural heritage through quality and relevant teaching and research; to create a conducive working and learning environment and work with government and private sector for the betterment of society.

Core Values

- (i) Promotion and defense of intellectual and academic freedom, scholarship and relentless search for truth.
- (ii) Fostering teamwork, collaboration, creativity and innovation, effective communication, tolerance, perseverance, and a culture of peace.
- (iii) Embracing excellence, openness, consultation and consensus building, efficiency and effectiveness.
- (iv) Practicing professionalism, meritocracy, exemplary leadership, equality, integrity and social justice.
- (v) Maintaining a sense of self-respect, discipline, responsibility, institutional loyalty and national patriotism.
- (vi) Continuous improvement of services in order to remain competitive.

ORGANIZATION

The 6th Annual International Conference (6th AIC) is a series of annual conferences mounted by clustered schools of the university. This year’s conference will consist of five symposia organized by four schools and cross-cutting symposium as follows:

SYMPOSIUM I :

Theme:

“Agricultural Innovations for Sustainable Food Security and Socio-Economic Development”

Sub-themes

- (i) *“Appropriate Soil Fertility Management Technologies for Food Security and Income Generation”*
 - (ii) *“Applied Seed and Crop Production Technologies For Improved Agricultural Production”*
 - (iii) *“Technological Opportunities in Livestock Production for Sustained Food and Income Security”*
 - (iv) *“Appropriate and Innovative Technologies for Improved Family Livelihoods and Food Production”*
 - (v) *“Biotechnological Advances for Improved and Sustainable Food Security”*
- Abstract to: **Dr. H.A. Rachuonyo** -(School of Agriculture & Biotechnology)
sab_aic.2010@yahoo.com or sab_aic2010@mu.ac.ke

SYMPOSIUM II:

Theme:

“Engineering Innovations, Entrepreneurship, and the Youth for Sustainable Development”

Sub-theme:

- (i) *“The Engineer and Engineering in Socio-economic Development”*
 - (ii) *“The Use of Competitive and Alternative Technologies for Sustainable Development”*
 - (iii) *“Applied Technological Innovations and Entrepreneurship for Sustainable Development”*
 - (iv) *“Innovations in Development of Sustainable Energy Sources”*
- Abstract to :**Dr. E. Oyondi** -(School of Engineering)
soemu6aic@yahoo.com or soemu_6aic@mu.ac.ke

PARTICIPATING SCHOOLS

SCHOOL OF AGRICULTURE & BIOTECHNOLOGY

Introduction

It has the specific objective of training highly skilled manpower in agricultural research, teaching and extension programs.

There are five departments, namely Seed, Crop and Horticultural Sciences, Soil Science, Family and Consumer Sciences, Biotechnology and Animal Science and Management.

Vision

To be a centre of excellence locally and globally in Agricultural Sciences Technology development and transfer.

Mission

To create, develop and disseminate knowledge in Agricultural Sciences and Technology through knowledge preservation, quality teaching, research and outreach.

Objectives

1. To provide quality education and research skills by having qualified staff and well equipped functioning laboratories
2. To develop and sustain suitable and relevant community programs
3. To provide an environment that enhances intellectual and academic freedom/development
4. To promote team work and professionalism in all activities
5. To continually develop/review the programs and services to satisfy clients
6. To offer expertise and advice on agricultural issues

ACADEMIC PROGRAMMES

Undergraduate Diploma programmes

They are offered in satellite campuses located at South Nyanza Campus – Rongo, NOREC – Kitale, CITC – Kapsabet; Kericho Campus, Elgon View College; Sacred Africa - Bungoma, Sacred Africa – Golf Course Nairobi, Tech Institute – Nairobi, and Odera Kang’o Campus. Courses are offered in such areas as Community Development, Sustainable Agriculture, Apparel and Fashion Design, Food Science and Nutrition, Horticulture, Organic Agriculture, Tea Production and Processing Technology and General Agriculture.

Undergraduate degree programmes:

- B.Sc. Agricultural Biotechnology
- B.Sc. Agricultural Extension Education
- B.Sc. Agriculture
- B.Sc. Animal Science
- B.Sc. Apparel and Fashion Technology
- B.Sc. Food Science and Nutrition
- B.Sc. Food Service Technology

SYMPOSIUM III:

Theme:

“The Role of Digital Content and Organization’s Repositories in Promoting Innovations and Sustainable Development”

Sub-themes

- (i) *“Preservation and Management of Organizations Memory for Competitiveness”*
- (ii) *“Integrating Standards and Legal Frameworks in ICT Management and Services”*
- (iii) *“Technology Innovations and the Media in Dynamic Global Environment”*
- (iv) *“E-services and ICT Security in Promoting Effective Knowledge Management”*

- Abstract to: **Dr. D. Odero** -(*School of Information Sciences*)
sisconference@mu.ac.ke or sisconference@gmail.com

SYMPOSIUM IV:

Theme:

“The role of Law in the Transfer of Technology and Intellectual Property Management in Kenya”

Sub-themes

- i) *“Combating Counterfeit Goods in Kenya”*
- ii) *“Law and Emerging Technologies”*
- iii) *“Joint Venture Agreements and Technology Transfer”*
- iv) *“Law and Traditional Knowledge”*

- Abstract to: **Mr. O.K. Murkomen** -(*School of Law*)
omurkomen@yahoo.com or omurkomen@mu.ac.ke

SYMPOSIUM V :

Theme:

The Cross Cutting symposium committee proposed the following:
“*Interdisciplinarity for Sustainable Integral Development*”

Sub-themes:

- (i) “*Small Medium Enterprises(SMEs) and National Economic Development*”
- (ii) “*Ethics and Knowledge Management*”
- (iii) “*Climate Change*”
- (iv) “*Internationalization of Higher Education*”
- (v) “*Primary Health Care and Community Involvement*”
- (vi) “*Political leadership and Governance*”

- o **Prof. E. Kamaara – Crosscutting**
drpaulnyongesa@yahoo.com or ekamaara@gmail.com/sass@mu.ac.ke

GENERAL ENQUIRIES TO:

Prof B.E.L. Wishitemi (PhD)
 Deputy Vice Chancellor (Research & Extension)
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 Fax: +254(0)53 – 43355/43047
 P. O. Box 3900 - 30100
ELDORET, KENYA
 E-mail: dvcre@mu.ac.ke or dvcresearch@yahoo.com
 Website: <http://www.mu.ac.ke>

Please submit this form on or before **23th July 2010**

Surname: _____ Other Name/s: _____

Sex: F M Title [Prof. Hon. Dr. Mr. Mrs. Ms. Rev.]

Institution/Company: _____ Contact Address: _____

Occupation/Profession: _____ Specialization: _____

Post Code: _____ City: _____ Country: _____

Telephone: _____ Fax: _____ Email: _____

No. of Persons accompanying the participant's : _____

If you have any Special Dietary needs, please indicate: _____

Any other special needs: _____

Arrival Date: _____ Departure Date: _____

Type of Symposium presentation session you will participate in;
Oral Poster

Mode of Payment: _____ Cash/Cheque(Kenya Shillings)

Registration fee payments to: **Moi University Research A/C**
National Bank of Kenya
Eldoret Branch
A/C No. 0102127999200

Completed forms to be sent to the office of Deputy
Vice-Chancellor, Research & Extension.

Signature:.....