



## eastern africa university mathematics programme

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P.O. Box 7062  
Kampala, Uganda



International Science Programme

IUCEA

NORHED-II

### THE SECOND ANNOUNCEMENT OF THE JOINT AFRICAN-NORDIC CONFERENCE IN MATHEMATICS UNDER THE THEME: CELEBRATING 20 YEARS WITH ISP/EAUMP/Sida, 10 YEARS WITH CIMO/HEI-ICI AND COMMENCING OF THE NORHED II FUNDED MATHEMATICS FOR SUSTAINABLE DEVELOPMENT PROJECT

**MAKERERE UNIVERSITY, KAMPALA – UGANDA**

**CONFERENCE DATES: 27<sup>th</sup> to 29<sup>th</sup> October 2022**

#### INTRODUCTION

The Eastern Africa Universities Mathematics Programme (EAUMP) courtesy of **the International Science Programme (ISP), Sweden in collaboration with Sida mathematics projects, Norhed-II, CIMO/HEI-ICI mathematics initiatives in the region and Inter University Council for East Africa through EACMaR** is organizing a joint conference to be held at Makerere University, Kampala, Uganda from **27<sup>th</sup> to 29<sup>th</sup> October, 2022**. Among other activities, during the conference, Prof. Leif Abrahamsson will be honored for his outstanding contribution to the development of mathematics in the Region. Due to the great contribution extended by the following organizations (**ICTP, CIMPA, IUCEA, DAAD, TWAS, COMPOSITIO, AMMSI, LMS, IMU**) to the development of mathematics in the Eastern Africa region, in the past two decades, special invitations will be extended to them for representation/participation in the conference. During the conference, there will be both paper and poster presentations.

#### CONFERENCE PARTICIPATION

The Conference audience will be mathematicians from the Eastern Africa region, the rest of Africa and the rest of the world. It is anticipated that the total number of conference participants will be over **150**.

## CONFERENCE AREAS

Research Paper and Poster presentations are expected in the following areas though not limited to;

- Algebra
- Applied Probability and Mathematical Statistics
- Bioinformatics
- Biomathematics
- Biostatistics
- Clifford and hypercomplex analysis
- Combinatorics
- Data Science
- Dynamical Systems
- Experimental Pure Mathematics
- Financial/Insurance Mathematics
- Fluid Dynamics
- Graph Theory
- Mathematics Education
- Number Theory
- Numerical Analysis
- ODES and PDES
- Operations Research
- Optimization
- Real and Complex Analysis
- Stochastics
- Topology and Geometry

## GOALS OF THE CONFERENCE

- Stimulate regional and international collaboration in training, research and outreach.
- To honor Prof Leif for his great contribution to the development of mathematics in the Eastern Africa region through Paper and Poster presentations of research findings by senior and junior academics in the region and beyond.
- To celebrate the new mathematics initiative MATH4SD in the region under the Norhed-II
- Provide a forum for interaction of African Mathematicians and others from outside Africa with a view of sharing experiences in mathematical training, research and outreach activities.

## SUGGESTED SPEAKERS FOR THE CONFERENCE (confirmations-ongoing)

- Prof. Christer Kiselman, Uppsala University, Sweden
- Current and former members of IPMS Reference Group
- Prof Rebecca Walo Omana, University of Kinshasa, Congo
- Prof Juma Shabani, University of Burundi, Burundi
- Prof. Balazs Szendroi, University of Vienna, Austria
- Prof. Mohsen Razzaghi, Mississippi State University, USA
- Prof. David Ssevviiri, Makerere University, Uganda
- Dr Joseph Ssebuliba, Makerere University, Uganda
- Dr Ismail Mirumbe, Makerere University, Uganda
- Dr Ddamulira Mahadi, Makerere University, Uganda
- Dr Juliet Nakakawa, Makerere University, Uganda
- Dr Alex Tumwesigwe, Makerere University, Uganda
- Dr Alex Bamunoba, Makerere University, Uganda
- Dr Kurama Onesfole, Makerere University, Uganda

- Dr Betty Nannyonga, Makerere University, Uganda
- Dr Muyinda Nathan, Makerere University, Uganda
- Dr Innocent Ndikubwayo, Makerere University, Uganda
- Dr Hassan Kayondo, Makerere University, Uganda
- Dr Kasumba Henry, Makerere University, Uganda
- Dr Hassan Ddumba, Makerere University, Uganda
- Prof. Sergei Silvestrov, Mälardalen University, Sweden.
- Prof. Fredrik Bengtsson, Linköping University, Sweden
- Prof. Tom Britton, Stockholm University, Sweden
- Prof. Guttorm Alendal, University of Bergen-Norway
- Prof. Bettina Dahl Søndergaard, University of Bergen-Norway
- Prof. Vedianan Masanja, Nelson Mandela-Arusha
- Prof. Wandera Ogana, University of Nairobi, Kenya
- Prof. Livingstone Luboobi, Makerere University, Uganda
- Dr Vincent Ssembatya, Makerere University, Uganda
- Prof. Hamidu Touré, University of Ougadugu, Burkina Faso
- Prof. Mary Teuw Niane -Senegal
- Prof. Rikard Bogvad, Stockholm University, Sweden.
- Prof. Martin Singull, Linköping University, Sweden.
- Prof. Paul Vaderlind, Stockholm University, Sweden.
- Prof. Abdou Sene, Gaston Berger University
- Prof. Matylda Jablonska-Sabuka, LUT-Finland ([matylda.jablonska-sabuka@lut.fi](mailto:matylda.jablonska-sabuka@lut.fi))
- Prof. Tapio Helin, LUT-Finland ([tapio.helin@lut.fi](mailto:tapio.helin@lut.fi))
- Prof. Matti Heilio, LUT-Finland adjunct professor ([matti.heilio@lut.fi](mailto:matti.heilio@lut.fi))
- Dr Tuomo Kauranne ([tuomo.kauranne@arbonaut.com](mailto:tuomo.kauranne@arbonaut.com))
- Dr Simo Ali-Löytty, Tampere University-Finland ([simo.ali-loyttu@tuni.fi](mailto:simo.ali-loyttu@tuni.fi))
- Dr Heikki Orelma, Tampere University-Finland ([heikki.orelma@tuni.fi](mailto:heikki.orelma@tuni.fi))
- Researchers (staff and PhD students ) from PDES and Control Theory Network in West Africa
- ISP/EAUMP, Sida Alumni and ongoing PhD, Msc and Post Doc students/fellows
- Norhed-II supported students in Mathematics and Mathematics Education
- CIMO/HEI-ICI Alumni
- ISP supported Research Groups Teams (Team members, students and supervisors)
- Dr Linus Carlsson, Mälardalen University, Sweden
- Dr Christopher Engstrom, Madaladen University, Sweden
- Dr Olha Bodnar, Sweden
- Dr Olof Svensson, Linköping University, Sweden
- Staff and PhD students from Makerere University, Department of Mathematics
- Staff and PhD students from University of Nairobi, Department of Mathematics
- Staff and PhD students from University of Zambia, Department of Mathematics
- Staff and PhD students from University of Rwanda, Department of Mathematics
- Staff and PhD students from University of Dar es Salaam, Department of Mathematics
- PhD students and Staff from UEM
- PhD students and Staff from University of Addis Ababa, Ethiopia
- Plus many more who will express interest to present papers

## SCIENTIFIC/INTERNATIONAL COMMITTEE

- Dr Alex Bamunoba, Makerere University, Uganda
- Prof. Balazs Szendroi, University of Vienna, Austria
- Prof Godwin Kakuba, Makerere University, Uganda
- Prof. Guttorm Alendal, University of Bergen-Norway
- Dr Jared Ongaro, University of Nairobi, Kenya
- Prof Juma Shabani, University of Burundi, Burundi
- Prof. Matti Heilio, Lappeenranta University of Technology

- Prof. Paul Vaderlind, Stockholm University
- Prof Rebecca Walo Omana, University of Kinshasa, Congo
- Prof. Patrick Weke, University of Nairobi, Kenya

#### **TECHNICAL COMMITTEE (FOR ABSTRACTS, PROCEEDINGS)**

- Prof. Bettina Dahl Søndergaard, University of Bergen-Norway
- Dr Ddamulira Mahadi, Makerere University
- Prof. Juma Kasozi, Makerere University, Uganda
- Dr Celestin Kurujiywami, University of Rwanda
- Prof. John M. Mango, Makerere University
- Dr Godfrey Mayende, Makerere University
- Dr Froduald Minani, University of Rwanda
- Dr Kelvin Muzundu, University of Zambia
- Prof. Denis Ndanguza, University of Rwanda
- Dr Nkuruzinza Denis, University of Burundi, Burundi
- Dr Othow Giel, University of Juba, South Sudan
- Dr Sylvester E. Rugeihyamu, Dar es Salaam University, Tanzania
- Dr Isaac Tembo, University of Zambia
- Prof. Patrick Weke, University of Nairobi, Kenya

#### **LOCAL ORGANIZING COMMITTEE (LOC)**

- Dr Alex Bamunoba, Makerere University
- Dr Ddamulira Mahadi, Makerere University
- Dr Ddumba Hassan, Makerere University
- Prof. Godwin Kakuba, Makerere University
- Prof. Juma Kasozi, Makerere University
- Dr Henry Kasumba, Makerere University
- Dr Kurama Onesfole, Makerere University
- Prof. John M. Mango, Makerere University
- Dr Godfrey Mayende, Makerere University
- Dr Ismail Mirumbe, Makerere University
- Dr Juliet Nakakawa, Makerere University
- Prof. Betty Nannyonga, Makerere University
- Dr Innocent Ndikubwayo, Makerere University
- Dr Joseph Ssebuliba, Makerere University
- Dr Vincent A. Ssembatya, Makerere University
- Prof. David Ssevviiri, Makerere University
- Dr Alex Tumwesigwe, Makerere University

#### **REGIONAL ORGANIZING COMMITTEE (ROC)**

- Dr Wellars Banzi, University of Rwanda, **Rwanda**
- Dr Mervis Kikonko, University of Zambia, **Zambia**
- Dr Celestin Kurujiywami, University of Rwanda, **Rwanda**
- Prof. Stephen Luketero, University of Nairobi, **Kenya**
- Dr James Makungu, University of Dar es Salaam, **Tanzania.**
- Dr Froduald Minani, University of Rwanda, **Rwanda**
- Prof. Eunice Mureithi, University of Dar es Salaam, **Tanzania.**
- Dr Kelvin Muzundu, University of Zambia, **Zambia**
- Dr Nkuruzinza Denis, University of Burundi, **Burundi**
- Dr Othow Giel, University of Juba, **South Sudan**
- Dr Sylvester E. Rugeihyamu, University of Dar es Salaam, **Tanzania.**

- Prof Juma Shabani, University of Burundi, **Burundi**
- Dr Isaac Tembo, University of Zambia, **Zambia**
- Prof Rebecca Walo Omana, University of Kinshasa, **Congo**
- Prof. Patrick Weke, University of Nairobi, **Kenya**

## **FINANCE COMMITTEE**

- Prof. Bengt Ove Turesson, Director-ISP, Sweden
- Prof. Guttorm Alendal, University of Bergen-Norway
- Prof. Juma Kasozi, Makerere University, Uganda.
- Prof. John Mango, Makerere University, Uganda.
- Dr Froduald Minani, University of Rwanda
- Prof. Mureithi Eunice, Dar es Salaam University, Tanzania.
- Dr Sylvester E. Rugeihyamu, Dar es Salaam University, Tanzania.
- Dr. Alex Tumwesigye, Makerere University, Uganda.

## **LANGUAGE**

English will be the official language of the conference.

## **CURRENCY**

Local currency is the Uganda Shillings at the foreign exchange rate of US\$ 1 = 3,500 UgShs. There are many local Forex bureaus in Kampala, some of them open 24 hours. Banks and Forex bureaus accept traveler's cheques and major credits cards are accepted at leading hotels and restaurants.

## **VISA**

Visa may be required for International visitors to Kampala - Uganda. Please check with the respective local Embassy for details and other requirements. Letters of invitation will be issued to participants upon request for the processing of travel documents.

## **REGISTRATION FOR THE CONFERENCE**

There will be a registration fee of **US\$200**. The deadline for registration is **30th September, 2022**. Registration to be done online using the link <https://bit.ly/3NHcSHE> and Payment of Registration fee will be done on arrival. Registration fee will cater for **all lunches, teas/coffee/water, conference dinner, a bag, a certificate, airport pickups and stationery**.

## **ACCOMMODATION**

Hotel charges for accommodation in Kampala ranges from US\$40 to US\$ 300 per night. The LOC is available for assistance. Food ranges from US\$ 5.00 to US\$ 25.00 a meal.

## **FINANCIAL SUPPORT**

Financial assistance to cater for (full/partial) travels and/or local expenses will depend on the availability of sponsors. However, every effort should be made by participants to secure full support for their travel and subsistence expenses.

## **CONFERENCE REGISTRATION AND SUBMISSION OF ABSTRACTS**

The conference registration and submission of abstracts will be done online using the link <https://bit.ly/3NHcSHE> with a deadline of **30th September, 2022**. The conference will embrace both **physical** and **online** attendance.

## **FOR FURTHER INFORMATION, PLEASE CONTACT THE CHAIR LOC;**

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