

## 2016 ICTP-EAUMP SUMMER SCHOOL ON NUMBER THEORY

4 - 22 July 2016

### INTRODUCTION

The Eastern Africa Universities Mathematics Programme (EAUMP), courtesy of the International Science Programme (ISP) of Sweden, and the International Centre for Theoretical Physics (ICTP) are pleased to announce a Summer School on Number Theory. The School will be held from 4<sup>th</sup> – 22<sup>th</sup> July 2016 at the East Africa Institute of Fundamental Research, University of Rwanda, in Kigali, Rwanda.

### GOALS OF THE SCHOOL

- To enable participants to understand the basic ideas in number theory from different perspectives;
- To introduce current trends in number theory to graduate students and young faculty, and discuss possible research topics for prospective masters and PhD students;
- To provide a forum for African mathematicians to interact and exchange ideas and initiate collaborations.

### SCHOOL TOPICS

- Finite fields
- Algebraic number theory
- p-adic numbers
- Number theory and cryptography

### PARTICIPATION

The School will be aimed at advanced graduate students (M.Sc. and PhD) and young academic staff members from Eastern Africa and beyond. Participants should preferably have completed some years of study and research after a first degree. Senior academic members are also welcome to participate. The school will be conducted in English.

We encourage participants to secure their own funding for travel and subsistence from their home institution. Limited funds are available for junior participants from developing countries. Priority will be given to East African applicants.

### APPLICATION

Please apply using the webpage: <http://indico.ictp.it/event/7650>

Students from EAUMP member nodes are not required to apply in this way, but can contact their EAUMP local coordinator directly.

The **deadline** for applications is **30<sup>th</sup> May 2016**.

**For more information, contact any of the following members of the Local Organizing Committee**

- Dr Wellars Banzi- [banziwe10@yahoo.fr](mailto:banziwe10@yahoo.fr)
- Mr Michael Gahirima- [gahirimam@yahoo.com](mailto:gahirimam@yahoo.com)
- Dr Desire Karangwa - [dkarangwa2010@gmail.com](mailto:dkarangwa2010@gmail.com)

### EAUMP Members

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University of Dar es Salaam  
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Dar es Salaam, Tanzania

School of Mathematics  
University of Nairobi  
P.O. Box 30197-00100  
Nairobi, Kenya

Department of Mathematics  
University of Rwanda  
P.O. Box 3900  
Kigali, Rwanda

Dept of Mathematics & Stat  
University of Zambia  
P.O. Box 32379  
Lusaka, Zambia

### Summer School Lecturers

Jennifer Balakrishnan (University of Oxford)

Olof Bergvall (University of Stockholm)

Tony Ezome (Université des Sciences et Techniques de Masuku)

Ronen Mukamel (Rice University)

Ibrahim Nonkane (Université de Ouagadougou 2)

Shehryar Sikander (ICTP)

Balazs Szendroi (University of Oxford)

### CONTACT

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