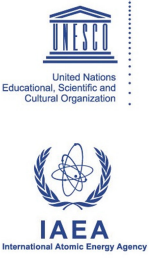




The Abdus Salam
**International Centre
 for Theoretical Physics**
 www.ictp.it



School and Workshop on

Homological Methods in Algebra and Geometry

1 - 12 August 2016

AIMS Ghana, Biriwa, Ghana



AIMS | African Institute for
 Mathematical Sciences
 GHANA



In collaboration with AIMS Ghana, The Abdus Salam International Centre for Theoretical Physics (ICTP) is organizing a "School and Workshop on Homological Methods in Algebra and Geometry". The school and workshop will be held at AIMS Ghana from 1st August to 12th August 2016.

The first week will consist of three minicourses:

Khovanov homology and categorification

Brent Everitt (University of York)

Noncommutative algebraic geometry

Paul Smith (University of Washington)

Geometric representation theory (TBC)*

Geordie Williamson (Max-Planck Institute for Mathematics)

The second week will comprise of research talks on these topics.

The goals of the workshop are twofold: on the one hand, we want to inspire the communication of state-of-the-art research within these flourishing areas and the exchange of ideas between them. On the other hand, we also want to give African postgraduates and researchers the opportunity to get in touch with international experts in order to help them enter one of these fields.

Participation

Mathematicians from all countries that are members of the United Nations, UNESCO or IAEA may attend the activity. **There is no registration fee.**

How to apply for participation

The application form can be accessed at the activity website:

<http://indico.ictp.it/event/7649/>

Once on the website, comprehensive instructions will guide you through the application process.

Deadline 30 April 2016

Activity Secretariat:

The Abdus Salam International Centre for Theoretical Physics (ICTP)
 (SMR 2867), Strada Costiera 11,
 I-34151 Trieste, Italy
 E-mail: smr2867@ictp.it

Minicourses lecturers:

Brent Everitt

(University of York)

Paul Smith

(University of Washington)

Geordie Williamson (TBC)*

(Max-Planck Institute for Mathematics)

Invited speakers:

Gwyn Bellamy

(University of Glasgow)

Tomasz Brzezinski

(University of Swansea)

Alastair Craw (TBC)*

(University of Bath)

Joshua Greene

(Boston College)

Peter Jorgensen

(University of Newcastle)

Joe Karmazyn

(University of Bath)

Aaron Lauda

(University of Southern California)

Andrew Lobb

(University of Durham)

Shinnosuke Okawa

(Osaka University)

Sarah Scherotzke

(University of Bonn)

Sue Sierra

(University of Edinburgh)

Anne-Laure Thiel

(University of Bourgogne)

Hokuto Uehara

(Tokyo Metropolitan University)

Chelsea Walton

(Temple University)

Liam Watson

(University of Glasgow)

Organizers

Tarig Abdelgadir

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Claudio Arezzo

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Emmanuel K. Essel

(AIMS Ghana)

Ulrich Kraehmer

(University of Glasgow)

Prince Osei

(AIMS Ghana)

(TBC)* to be confirmed

