



The Second Celebration of Mathematics day in Rwanda (pi-day)

Date: March 14, 2019 Time: 8:00 am-5:30pm
Venue: Kigali Conference and Exhibition Village

BACKGROUND

The Pi-day is a worldwide annual event that is celebrated on 14th of March. The common approximation of Pi (represented by the Greek letter π) is 3.14. Thus 14th (decimals) of March (3). The aim is to recognize the importance and applications of mathematics in science and technology. The University of Rwanda (UR) in collaboration with three partners: the African Institute of Mathematical Sciences (AIMS)-Kigali, the UR-Sweden Programme, the International Centre for Theoretical Physics (EAIFR-ICTP-Kigali) and Imaginary-Open Mathematics, will organize the second celebration of the Pi-day in Rwanda on 14th March 2019 in Kigali Conference and Exhibition Village.

The aim of this day is *to discover, encourage and challenge mathematically gifted young people in the country through the Mathematics competition.*

The selection process for participants to the competition will involve **112** students selected from Schools in Kigali City and in other five districts. At this level **4** best students of whom at least one is the best female performer will be awarded prizes.

Objectives of the celebration of the Pi-day in Rwanda

The main objectives for the second Pi-day celebration in Rwanda are the following:

- ✓ To popularize mathematics and to attract more students in STEM areas
- ✓ To market Mathematics Programmes offered by the University of Rwanda
- ✓ To interact with industry and private and public institutions
- ✓ To organize competitions for young students and the general public

Invited Plenary Speakers

This celebration will host a number of invited international speakers.



Prof. Michael J. Dorff:

Michael Dorff is the department chair and professor of mathematics at Brigham Young University. He earned his Ph.D in 1997 from the Univ. of Kentucky in complex analysis, has published about 35 refereed papers, and has given about 500 talks on mathematics. He is interested in non-academic careers in mathematics, in promoting mathematics to the general public, and in undergraduate research. He is the President of the Mathematical Association of America (2019-2021). Also, he is a Fellow of the American Mathematical Society, a Fulbright Scholar in Poland, and co-directs the PIC Math (Preparation for Industrial Careers in the Mathematical Sciences). He is married with 5 daughters. In his free time he enjoys reading, running, and traveling. During the Mathematics celebration Prof Dorff will talk about *Artificial Intelligence and Applications*



Prof Fernando Rodriguez Villegas

Fernando Rodriguez Villegas is a research scientist at the mathematics section of ICTP. He had supervised many postgraduate students (Master's and PhD) and has more than 45 published research papers. During the Mathematics celebration Prof Fernando will talk about *Mathematics and football*.

Imaginary Exhibition (Open- Mathematics)

Exhibitions are the IMAGINARY way to reach out to a broad public in real life. They are shown in galleries, at museums, in schools, banks, universities, parks or train stations. Exhibitions are diverse: they can include images, interactive programs, sculptures, puzzles, games, text boards, etc. You can take all exhibits home and easily stage your own exhibition

Programme on 14th, March 2019

- 8:00 am: Arrival of the participants to the competition

- 9:00-12:30 am: Mathematics Competition
- 10:00 am: opening of Imaginary exhibition: Omolulu
- 12:30-2:00 pm: Marking
- 2:00-3:30 pm: Opening ceremony, Lecture 1 and Awards
- 3:35-4:35am: Lecture 2 & Lecture 3
- 4:35-5:05 pm: Alumni Testimony
- 5:00-5:20: Presentations of Mathematics programs at UR, ICTP and AIMS.
- 5:20:5:30: End of Exhibitions and closing ceremony.

Organizing Committee

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