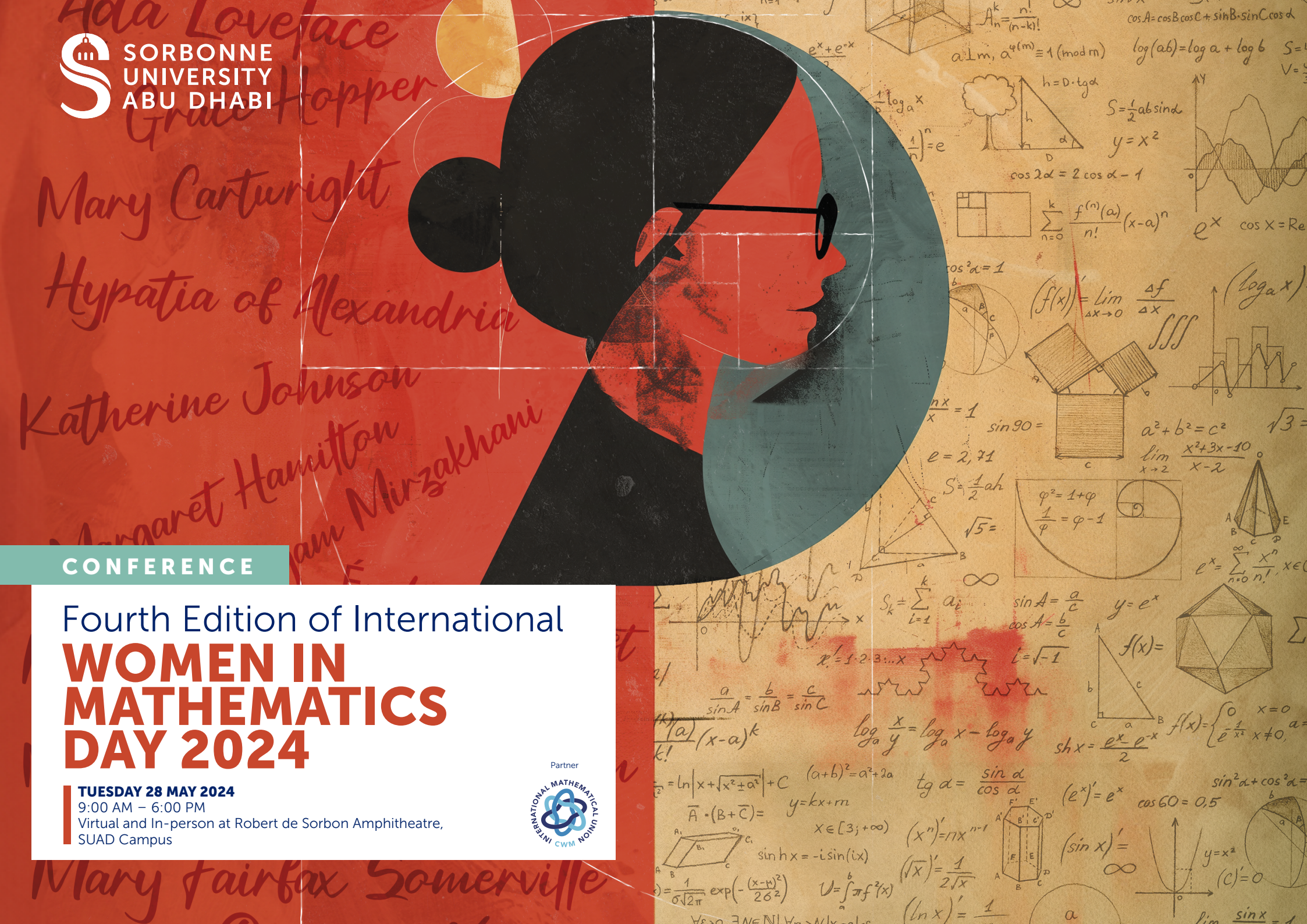SORBONNE
UNIVERSITY
ABU DHABI

CONFERENCE

Fourth Edition of International
WOMEN IN MATHEMATICS DAY 2024

TUESDAY 28 MAY 2024
9:00 AM – 6:00 PM
Virtual and In-person at Robert de Sorbon Amphitheatre,
SUAD Campus

Partner

INTERNATIONAL MATHEMATICAL UNION
CWM

Abstract

Every year on 12th May, the Committee of Women in Mathematics (CWM) celebrates Women in Mathematics Day, which is a delightful occasion. The day is celebrated globally with the aim of inspiring women to recognize and commemorate their accomplishments in the field of mathematics. The ultimate goal is to promote an environment that is open, welcoming, and inclusive for everyone. This special day is dedicated to honoring Maryam Mirzakhani, who was born on 12th May 1977 and became the first woman to receive the Fields Medal, the highest recognition in mathematics.

This year, Dr Lama Tarsissi, Associate Professor- Mathematics at Sorbonne University Abu Dhabi and CWM Ambassador in Lebanon and in the UAE, is organizing the fourth edition of International Women in Mathematics Day.

Programme

09:00 am — **Dr. Lama Tarsissi**, Associate Professor at Sorbonne University Abu Dhabi.

Welcome speech and introducing the event and CWM

09:30 am — **Dr. Hala AlAqad,** Assistant Professor at United Arab Emirates University in Al Ain.

Coefficients Inequalities for New Class of Analytic Function

10:00 am — **Dr. Safaa ElSayed,** Assistant Professor at Sorbonne University Abu Dhabi.

Second Yamabe invariant and some applications

10:30 am — **Coffee Break**

11:00 am — **Lisa Brashear,** Adjunct-Professor at the American University in Dubai.

Empowering Women in Mathematics through Career Development and Networking: Standing Out in Job Applications

11:30 am — **Ghilmana Sarmad,** PhD student at United Arab Emirates University in Al Ain.

Modelling the fear factor as delay spatiotemporal epidemic model

12:00 pm — **Taimun Qaisar,** PhD student at United Arab Emirates University in Al Ain.

Dynamical approach to SIR model through quadratic stochastic operators

12:30 pm — **Photo Session**

12:45 pm — **Lunch Break**

02:00 pm — **Dr. Marwa Banna,** Assistant Professor at the New York University Abu Dhabi.

Non-commutative independence

02:45 pm — **Dr. Hanin Aljebawy,** Assistant Professor at the American University in Dubai.

On Thermoacoustic and Photoacoustic Imaging of Small absorbers

03:15 pm — **Dr. Giulia de Masi,** Assistant Professor at Sorbonne University Abu Dhabi.

Collective intelligence: modelling collaboration in social and artificial systems

03:45 pm — **Coffee Break**

04:15 pm — **Dr. Grace Younes,** Assistant Professor at Sorbonne University Abu Dhabi.

Symbolic-Numeric Analysis of Maximal y-Projections in Parameterized Bivariate Polynomial Systems

04:45 pm — **Dr. Fareeha Jamal,** PhD student at United Arab Emirates University in Al Ain.

Bounds on Sombor index and inverse sum indeg (ISI) index of graph operations

05:15 pm — **Conclusion Speech**