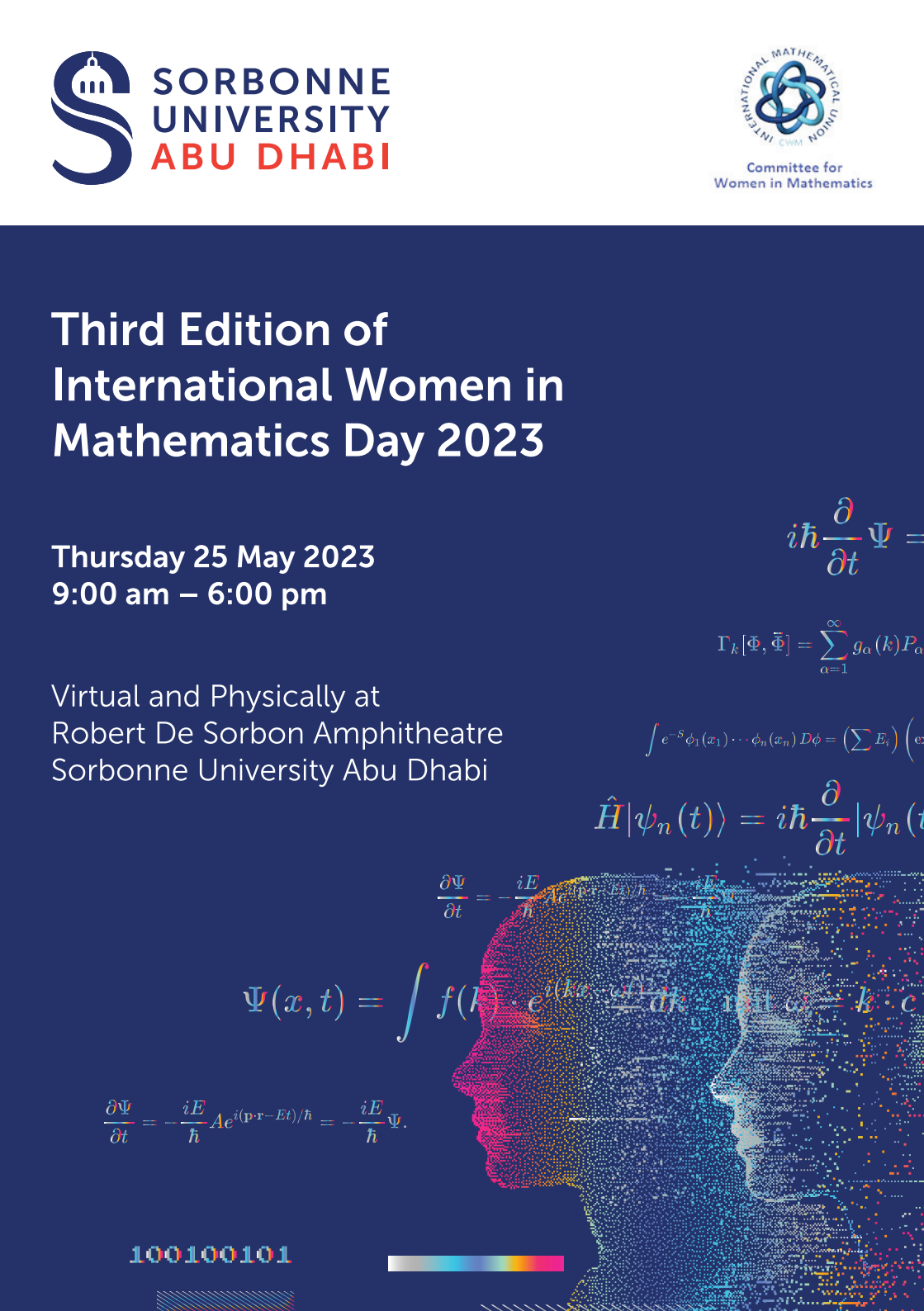
SORBONNE UNIVERSITY ABU DHABI

INTERNATIONAL MATHEMATICAL UNION CWIM
Committee for Women in Mathematics

Third Edition of International Women in Mathematics Day 2023

Thursday 25 May 2023
9:00 am – 6:00 pm

Virtual and Physically at
Robert De Sorbon Amphitheatre
Sorbonne University Abu Dhabi



Third Edition of International Women in Mathematics Day 2023

Programme

8:30 am - 9:00 am
Welcome

9:00 am - 9:10 am
Inauguration
Lama Tarsissi, Assistant Professor in Mathematics
Sorbonne University Abu Dhabi

9:10 am - 9:55 am
From Passion to Purpose: Journey in the Era of Bayesian Networks
Linda Smail, Associate Professor in the College of Interdisciplinary Studies
Zayed University Dubai

9:55 am - 10:25 am
Discovering Scientific Phenomena with Simple Calculus: An Interdisciplinary Cross-Cultural Approach Using the COIL Model
Hania Mahassen, Coordinator and Associate Professor of Mathematics
American University of Dubai

10:25am - 10:55am Coffee Break

10:55am - 11:40am
Mathematical Models for Intelligent Collective Systems
Giulia di Masi, Principal Scientist
Autonomous and Robotic Research Center at Technology Innovation Institute Abu Dhabi

11:40 am - 12:10 pm
Influence of an Awareness Program on the Proliferation of Heroin Addiction
Ghilmana Sarmad, PhD Student
United Arab Emirates University Abu Dhabi

12:10 pm - 12:40 pm
Options as Free Boundary Problems
Ghada AlObaidi, Associate Professor of Applied Mathematics
American University of Sharjah

Third Edition of International Women in Mathematics Day 2023

Programme

12:40 pm - 1:40 pm Lunch Break

1:40 pm - 2:00 pm Group Photo

2:00 pm - 2:30 pm
Random Matrices and Free Probability
Marwa Banna, Assistant Professor in Mathematics
New York University Abu Dhabi

2:30 pm - 3:00 pm
On Inverse Sum Indeg Energy of Graphs
Fareeha Jamal, PhD Student
United Arab Emirates University, Abu Dhabi

3:30 pm - 4:00 pm
Stochastic Delay Differential Equations with Applications in Ecology and Epidemics
Hebatallah Al Sakaji, Instructor
United Arab Emirates University, Abu Dhabi

4:00 pm - 4:30 pm Coffee Break

4:30 pm - 5:00 pm
Winner of the Math Heckaton

5:00 pm - 5:30 pm
On the Projections and Unitary Groups of Unital C*-Algebras
Fouzia Shaheen, PhD Student
United Arab Emirates University, Abu Dhabi

5:30 pm - 6:00 pm
Jørgensen Inequality and Its Generalizations
Hala Alaqad, PhD Student
United Arab Emirates University, Abu Dhabi

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