

TRAINING SCHOOL

FOUNDATIONAL METHODS IN DATA SCIENCE

March 6, 2022 to April 2, 2022

The African Institute for Mathematical Sciences Rwanda (AIMS Rwanda) is inviting applications for the graduate training school “**Foundational methods in Data science**” scheduled from **March 6, 2022 to April 2, 2022** at **AIMS Rwanda in Kigali**. Organized around six (6) core courses, and additional training components, the highly interactive training school will bring together renowned international and national academics, researchers and graduate students, working on topics relevant to modern data science, including machine learning and artificial intelligence, their mathematical theories and numerical implementations, using methods from statistics, optimization, functional analysis, and control and dynamical systems. The training school will provide a platform for researchers and data scientists to interact in a transdisciplinary environment.

Interested candidates are invited to send their details to applications@quantumleapafrika.org

DEADLINE: 28 JANUARY 2022




Lecturer names	Affiliation	Course/s
Peter J Diggle	CHICAS, Lancaster University.	Statistics and Scientific Method
Philipp Berens	University of Tübingen	Machine Learning Essentials
Tryphon T. Georgiou	University of California, Irvine	Methods from Control and Dynamical Systems
David Stern	IDEMS International	Problem solving with Data Science
Leon Bungert	University of Bonn	Mathematical Foundations for Data Science
Bubacarr Bah	AIMS South Africa & Stellenbosch University	Mathematical Foundations for Data Science
Raphael Hauser	Mathematical Institute, University of Oxford, UK	Optimisation for Data Science

Scientific committee;

- **Franca Hoffmann:** DTP-DS Management Board, Research Chair in Data Science (QLA, AIMS Rwanda), Professor of Mathematics (University of Bonn, Germany)
- **Emmanuel Masabo:** Head of PhD programme and Research (African Centre of Excellence in Data Science), Lecturer (University of Rwanda, Rwanda)
- **Bubacarr Bah:** DTP-DS Management Board, Research Chair in Mathematics of Data Science (AIMS South Africa), Senior Lecturer (Stellenbosch University)
- **Issa Karambal:** DTP-DS Management Board, Junior Research Chair in Data Science (QLA, AIMS Rwanda)
- **Philipp Berens:** Professor of Data science for Vision Research Institute for Ophthalmic Research, University of Tübingen Cluster of Excellence “Machine Learning–New Perspectives for science.
- **Dina Z. Machuve:** PhD ; Senior Lecturer - School of CoCSE, Nelson Mandela African Institution of Science and Technology, Arusha, Tanzania.

For more details about the program, log onto;

 <https://quantumleapafrika.org/event/data-science-training-school/>