



NTHRYS WORKSHOPS

Advanced Techniques In Mathematical Modelling

8:45 AM - 10:15 AM: Session 1: Advanced Modelling Techniques

Introduction to advanced techniques in mathematical modelling.
Hands-on session on using partial differential equations and complex models.
Practical demonstration of advanced modelling applications.

10:15 AM - 10:30 AM: Coffee / Tea / Snacks Break

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Computational Modelling

Exploring computational approaches in mathematical modelling.
Workshop on using software tools for computational models.
Case studies on the applications of computational modelling in research.

12:00 PM - 1:00 PM: Lunch Break

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Stochastic Modelling

Hands-on session on stochastic modelling techniques.
Exploring techniques for modelling random processes and uncertainty.
Practical applications of stochastic modelling in various fields.

2:30 PM - 2:45 PM: Short Break

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: System Dynamics Modelling

Workshop on using system dynamics for mathematical modelling.
Practical techniques for simulating complex systems.
Case studies on the role of system dynamics in understanding system behavior.

4:15 PM - 4:30 PM: Coffee / Tea / Snacks Break

Last networking opportunity with snacks.

4:30 PM - 5:30 PM: Closing Session: Implementing Changes and Technology Adoption

Group discussions on implementing new techniques learned today.
Dialogue on overcoming challenges in adopting new technologies in similar sectors.
Feedback session and closing remarks.

Certificate Issue

5:30 PM: Workshop Concludes