

Programme of the MatRIC Modelling Colloquium 2016

Tuesday, August 9

- 9:00-9:20 Opening
- 9:20-10:30 **Modelling in an Integrated Physics and Mathematics Course**
María de los Ángeles Domínguez Cuenca
- 10:30-10:50 Coffee Break
- 10:50-12:00 **Integrating Mathematics and Modelling into Life Science Programs**
André Heck
- 12:00-13:00 Lunch
- 13:00-14:10 **The Inquiry Oriented Differential Equations Project: Addressing Challenges Facing Undergraduate Mathematics Education**
Chris Rasmussen
- 14:10-15:00 **Modelling for Teaching and Learning of Differential Equations**
Mette Andresen
- 15:00-15:20 Coffee Break
- 15:20-16:10 **Visualization and Simulation Tool as an Extra Resource in Mathematical Modeling**
Per Henrik Hogstad
- 16:10-17:00 **Engineering Students' Communication and Visualization During Modelling Using a Simulation Tool**
Ninni Marie Hogstad
- 17:00-18:00 Dinner
- 18:00-19:00 *Networking*

Wednesday, August 10

- 9:00-10:10 **Teaching Multidisciplinary Groups of Graduate Students Advanced Mathematical Modelling**
Nadav Bar
- 10:10-11:00 **Mathematics Lecturers' Views on the Teaching of Mathematical Modelling**
Yuriy Rogovchenko
- 11:00-11.20 Coffee Break
- 11:20-12:30 **Differential Equations and Mathematical Biology: Anatomy of Some Applications**
Jorge Duarte

- 12:30-13:30 Lunch
- 13:30-14:40 **Modelling: Fun, Effort and Use**
Peter Uylings
- 14:40-15:30 **Modelling and Computer Visualization in Biology**
Nadav Bar
- 15:30-15:50 Coffee Break
- 15:50-16:40 **Mathematical Modelling and Mathematical Competencies: The Case of Biology Students**
Ioannis Liakos
- 16:40-17:30 **Mathematical Modelling: Everyone is Invited**
Yuriy Rogovchenko
- 17:30-18:30 Dinner
- 18:30-19:30 *Networking*

Thursday, August 11

- 9:00-10:10 **Ownership and Alienation in Mathematical Modelling Group Work Activity**
Paul Hernandez-Martinez
- 10:10-11:00 **“Why Do I Have to Learn This?”: The Concept of ‘RELEVANCE’ in Mathematical Modelling Education**
Pauline Vos
- 11:00-11.20 Coffee Break
- 11:20-12:00 **The PISA Scoring Guidelines and Their Prescriptions for Interpreting a Problem Situation**
Brikena Djepaxhija
- 12:00-12:50 **The Mathematical Discourse of Biology Students Working with Mathematical Modelling Activities – a Commognitive Perspective**
Olov Viirman
- 12:50-13:00 Close
- 13:00-14:00 Lunch