

Summer School on Bayesian filtering: fundamental theory and numerical methods (SSBF 2024)

Monday 6 – Friday 10 May 2024

The programme is subject to change. All times are British Summer Time (BST).

MONDAY 6 MAY 2024	
09.00 - 09.25	Registration and Refreshments
09.25 - 09.30	Welcome and Housekeeping
09.30 - 11.00	O. Deniz Akyildiz , Imperial College London <i>Introduction to Bayesian filtering: theory & methods</i>
11.00 - 11.30	Refreshments
11.30 - 13.00	O. Deniz Akyildiz , Imperial College London
13.00 - 14.00	Lunch
14.00 - 15.30	Petar M. Djuric , Stony Brook University <i>Sequential estimation in deep state-space processes</i>
15.30 - 16.00	Refreshments
16.00 - 17.30	Petar M. Djuric , Stony Brook University
17.30 - 18.30	Informal Welcome Reception, hosted at ICMS

TUESDAY 7 MAY 2024	
09.00 - 09.15	Refreshments
09.15 - 10.45	Victor Elvira , University of Edinburgh <i>Effective and efficient filtering</i>
10.45 - 11.15	Refreshments
11.15 - 12.45	Victor Elvira , University of Edinburgh
12.45 - 13.45	Lunch
13.45 - 15.15	Pierre del Moral , INRIA <i>Theoretical analysis of particle filters</i>
15.15 - 15.45	Refreshments
15.45 - 17.15	Pierre del Moral , INRIA

WEDNESDAY 8 MAY 2024	
09.00 - 09.15	Refreshments
09.15 - 10.45	Sahani Pathiraja , UNSW Sydney <i>Particle-based variational inference</i>
10.45 - 11.15	Refreshments
11.15 - 12.45	Sahani Pathiraja , UNSW Sydney
12.45 - 13.45	Lunch
13.45 - 15.15	Oana Lang , Imperial College London <i>Modern approaches in nonlinear filtering</i>
15.15 - 15.45	Refreshments
15.45 - 17.15	Oana Lang , Imperial College London

THURSDAY 9 MAY 2024	
09.00 - 09.15	Refreshments
09.15 - 10.45	Yunpeng Li , University of Surrey <i>Differentiable particle filters</i>
10.45 - 11.15	Refreshments
11.15 - 12.45	Yunpeng Li , University of Surrey
12.45 - 13.45	Lunch
13.45 - 15.15	Fredrik Lindsten , Linköping University <i>Particle Markov chain Monte Carlo</i>
15.15 - 15.45	Refreshments
15.45 - 17.15	Fredrik Lindsten , Linköping University

FRIDAY 10 MAY 2024	
09.00 - 09.15	Refreshments
09.15 - 10.45	Jana de Wiljes , TU Ilmenau <i>Sequential decision games</i>
10.45 - 11.15	Refreshments
11.15 - 12.45	Jana de Wiljes , TU Ilmenau
12.45 - 13.45	Lunch