

Swedish e-Science Academy

Umeå University
MIT Building, Room MA121, 1st floor
October 11 – 12, 2017

Program

Wednesday, October 11

12:00	Lunch	Hjortron @ Universum
13:10	Welcome Sverker Holmgren, eSENCE Programme Director, UU Erik Elmroth and Bo Kågström, UmU	
13:30	Keynote presentation: Scientific challenges and opportunities in realtime engineering simulation	<i>Chair: Bo Kågström Kenneth Bodin, CEO Algoryx Simulation</i>
14:00	Modelling the brain in computers and robots	<i>Christian Balkenius, LU</i>
14:20	Quantifying the magnetocaloric effect from first-principles	<i>Diana Iusan, UU</i>
14:40	Design optimization with large design spaces: opportunities and challenges	<i>Martin Berggren, UMU</i>
15:00	SeSE – Swedish e-Science Education – Graduate School	<i>Pavlin Mitev, LU</i>
15:10	Poster Blitz (1 slide, 45 seconds per poster) at MIT Place	<i>Chair: Erik Elmroth All poster presenters</i>
16:00	Poster Session with Refreshments & Snacks	MIT Place
17:40	Transport (bus/walk) to Comfort Hotel Winn & check-in	
19:00	Dinner and Discussions	



Thursday, October 12

08:40	Bus from Comfort Hotel Winn to Universum	
09:00	Keynote Presentation: Multiscale modelling - the spiral staircase from theory to experiment	<i>Chair: Lars Nordström, UU Peter Broqvist, UU</i>
09:30	Time-frequency localization of marine biosonar signals	<i>Maria Sandsten, LU</i>
09:50	Coffee break	
10:20	Effective task based parallel programming models for scientific applications	<i>Chair: Erik Elmroth Elisabeth Larsson, UU</i>
10:40	Deep learning as feature extraction	<i>Rickard Sjögren, UMU</i>
11:00	Panel Discussion: e-Science in Industry, Society, and Education - When, Where, and How? Panel: <ul style="list-style-type: none">• Kenneth Bodin, Algoryx and UmU• Melvin Davies, LU• Kristina Edström, UU (Moderator)• Sverker Holmgren, UU	
11:50	Closing Words	<i>Sverker Holmgren, eSENCE Programme Director, UU</i>
12:00	Farewell Lunch	<i>Hjortron @ Universum</i>

