

15th Winter School in eScience

Outline

- About the winter school
- Practical information
- This years topic and program

Winter Schools in eScience

- Started by Knut-Andreas Lie in 2001
- Held annually the end of January at Dr. Holms Hotel, Geilo

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	
07:00 - 09:00		Breakfast					
09:00 - 10:30		Lecture	Lecture	Lecture	Lecture	Lecture	
10:30 - 12:30		Brook (lund	Break (lunch 12:30 - 14:00)				
12:30 - 14:45		DI EON (IUIII					
15:00 - 16:30		Lecture	Lecture	Lecture	Lecture		
16:30 - 17:00		Coffee					
17:00 - 18:30	Lecture	Lecture	Lecture	Lecture / Poster	Lecture		

- Typical schedule consists of 14 double lectures (1.5 hours)
 - The lectures targets Ph.D. students and young researchers
 - Long mid-day break for skiing and socializing







Winter Schools in eScience

- The school topic is chosen by members of the scientific committee
- Scientific committe 2011-2015:
 - Knut-Andreas Lie, SINTEF and University of Bergen
 - Arnoldo Frigessi, Norwegian Computing Center and University of Oslo
 - Hans Ekkehard Plesser, Norwegian University of Life Sciences
 - Hans Petter Langtangen, Simula Research Laboratory and University of Oslo
 - Jan M. Nordbotten, University of Bergen
 - Knut Mørken, University of Oslo
 - Trond Kvamsdal, NTNU



Winter Schools in eScience



With funding from
The Research Council of Norway

- Funded by the Research Council of Norway
 - 2001-2004: Winter schools in computational mathematics (137461)
 - 2005-2006: Winter schools in computational mathematics (159868)
 - 2007-2010: National Arena in eScience (178774)
 - 2011-2015: eVita Winter School (203376)

Information about Dr. Holms

- Opened in 1909
 - Originally a place for asthmatic city dwellers to get fresh air
- Meals
 - Breakfast from 7:30 to 9:00
 - Lunch from 12:30 to 14:00
 - Dinner at 19:30
 - Coffee breaks with light snacks
 - Please: no ski boots, shorts, sandals etc. in the dining hall
 - Allergies? Let me know!
- Use the meals and breaks as an opportunity to meet someone new
- All beverages must be paid for separately



Dr. Ingebrikt Christian Holm



Ghost Woman, Nelson Soucasaux

Information about Dr. Holms

- Discounted ski passes can be bought at the reception
 - 4 hours for 200 NOK (50 NOK for a reusable keycard)
 - 2 hours for 150 NOK (50 NOK for a reusable keycard)
- Discounted ski passes with ski rental
 - Must book in advance by email: <u>booking@slaattaskisenter.no</u>
 - 4 hours for 400 NOK (50 NOK for a reusable keycard)
 - 2 hours for 350 NOK (50 NOK for a reusable keycard)
- You may eat lunch in the slopes:
 - Get a coupon at the reception <u>before 10:00 AM</u>
 - You can also make your own packed lunch during breakfast



Information about Dr. Holms

- Bowl & Dine with bowling hall
 - 50 meters to the right when exiting the hotel by the reception.
- Swimming pool and spa department
 - Close to the lecture halls
 - Spa open for reservations





Weather forecast for Geilo

Sunday 18 January 12–18	Monday 19 January 13–19	Tuesday 20 January 13–19	Wednesday 21 January 13–19	Thursday 22 January 13–19	Friday 23 January 13–19
*					
-9°	-10°	-12°	-12°	-12°	-9°
0 mm	0.2 mm	0.1 mm	0 mm	0 mm	0 mm
✓	`	\	` `	`	→

Yr.no, 2015-01-16

Internet

Network name: Dr. Holms Hotel

Username: drholms1

Password: drholms1

With great power comes great responsibility

- Please show respect for our lecturers:
 use the internet responsibly and pay attention
- There's ample time during the breaks to check important emails etc.

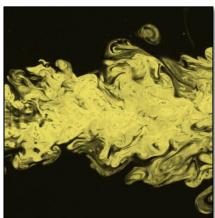




This years topic: Uncertainty Quantification

- Can we trust a single deterministic simulation run?
- How does our result change when we slightly change the input?
- Where is our system most sensitive to perturbations?





Lorenz attractor: User Wikimol, Wikipedia [public domain] Turbulent flow: User Jw2c, Wikipedia [cc-by-3.0], Colors changed

Lecturers



Siddartha Mishra ETH Zurich



Tan Bui-Thanh University of Texas



Jonathan Feinberg Simula



Serge Prudhomme Polytechnique Montréal



Ralf Schulze-Riegert Schlumberger



Gunnar Taraldsen SINTEF

Winter School Program

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	
07:30 - 09:00							
09:00 - 09:45		Siddartha Mishra	Ralf Schulze-	Tan Bui	Serge	Jonathan	
09:45 - 10:30		Sidual tila iviisiila	Riegert	I dii bui	Prudhomme	Feinberg	
10:30 - 11:00			Checkout				
11:00 - 11:45	I	Serge					
11:45 - 12:30		Prudhomme					
12:30 - 15:00							
15:00 - 15:45		Tan Bui	Siddartha Mishra	Jonathan	Jonathan		
15:45 - 16:30		I dii bui	Sidual tila iviisiila	Feinberg	Feinberg		
16:30 - 17:00							
17:00 - 17:45	Siddartha	Ralf Schulze-	Tan Bui	Gunnar Taraldsen	Serge		
17:45 - 18:30	Mishra	Riegert		Poster	Prudhomme		
19:30	Dinner						

- Lectures start on the hour, not quarter past.
- Show respect for our lecturers and be on time (also for the morning lectures)!

Poster session on Wednesday

- From 17:45 18:30 on Wednesday
- Wide range of topics
 See program for list of presenters
- Light refreshments (canapés)



