

15<sup>th</sup> 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		Break (lunc	Lecture			
12:30 - 14:45		DISON (taric	Lunch, End			
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



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?









#### 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	$\land$					
09:00 - 09:45	$\backslash$ /	Siddartha Mishra	Ralf Schulze-	Tan Bui	Serge	Jonathan
09:45 - 10:30		Sidual tria Mistila	Riegert	I dii Dui	Prudhomme	Feinberg
10:30 - 11:00	$\setminus$				Checkout	
11:00 - 11:45	X	Serge				
11:45 - 12:30		Prudhomme				
12:30 - 15:00						
15:00 - 15:45		Tan Bui	Siddartha Mishra	Jonathan	Jonathan	
15:45 - 16:30	/	Tali bui		Feinberg	Feinberg	
16:30 - 17:00						
17:00 - 17:45	Siddartha	Ralf Schulze-	Tan Bui	Gunnar Taraldsen	Serge	
17:45 - 18:30	Mishra	Riegert	i dii Bul	Poster	Prudhomme	
19:30		$\bigvee$				

- Lectures start <u>on the hour</u>, 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)





