

eVITA

Winter School 2014

Big Data and Modern Statistics

INVITATION to the 2014 eVITA Winter School on Big Data Challenges to Modern Statistics

The 2014 Winter School will take place from Sunday January 19th to Friday January 24th
at Dr. Holms Hotel, Geilo, Norway.

The winter school is the 14th in a series of fifteen winter schools organized by SINTEF, and this years
organizing committee consists of Arnaldo Frigessi (University of Oslo) and André R. Brodtkorb (SINTEF)

Big Data Challenges to Modern Statistics: Traditional statistical methodology is challenged by more and more complex and high-dimensional data and subtle scientific questions. This winter school will give you a panoramic overview and selective in-depth details, of some of the most important innovative statistical theories, methods and computational tools that are being developed. You will be introduced to: challenging statistical problems that require intensive computational approaches, structural model learning, causal inference, graphical models, functional data analysis, tree structured data, spatial data, point patterns and shape analysis, and more, both in a frequentist and bayesian perspective. Applications will span from genomics to computational anatomy, from ice with air bubbles images to geology, from human movement recognition to neurobiology, from networks to personalize therapy.

Lecturers: This years winter school will be lectured by esteemed researchers:

- Elja Arjas (University of Helsinki, FI),
- Jukka Corander (University of Helsinki, FI),
- Steve Marron (University of North Carolina at Chapel Hill, US),
- Laura Sangalli (Politecnico di Milano, IT),
- Aila Särkkä (Chalmers, SE),
- Ernst Wit (University of Groningen, Netherlands), and
- Laurent Younes (Johns Hopkins University, US).



Dr. Holms Hotel, Geilo

Further Resources:

- Winter school web pages: <http://www.sintef.no/Projectweb/eVITA/Winter-Schools/2014/>

Registration deadline: December 6th, 2013.

Register online at the eVITA web pages, <http://www.sintef.no/eVITA>. Participants are expected to stay at Dr. Holms Hotel, where we have reserved a limited number of rooms. Please register early.

NB! The registration is binding after the deadline.

The organizing committee consists of
Arnaldo Frigessi and André R. Brodtkorb.