



# COSSE: Past, Present and Future

**COSSE Workshop**

**November 10-12, 2016, Clarion Hotel Stockholm**

Organised by KTH Royal Institute of Technology, Department of Numerical Analysis



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## ***Preliminary Programme***

### *Thursday, Nov 10*

until 12:00 arrival in Stockholm City

12:00 Lunch

13:00 Welcome (COSSE Coordinator, Manuel Baumann, Slobodan Milovanović)

13:15 Address by Vice-President of EMA, Emrah Karakaya

13:30 A decade of COSSE (Michael Hanke, KTH)

14:00 COSSE in Figures (Karin Knutsson, KTH)

14:15 Multiphysics Approach for Product Performance Simulation and Optimization  
(Romain Haettel, ABB Corporate Research)

15:00 Coffee break

15:30 The COSSE Programme at the TU Delft: Impact and Highlights (Martin van Gijzen, TUD)

16:00 Poster session (alumni)

18:00 Dinner

### *Friday, Nov 11*

9:00 Writing Software for High Performance Computing (Harald Köstler, FAU)

9:30 COSSE at TU Berlin (Reinhard Nabben, TUB)

10:00 Coffee break

10:30 Presentations by COSSE alumni

12:00 Lunch

13:00 Excursion to Nobel Museum, Stockholm, Gamla stan ([www.nobelmuseum.se](http://www.nobelmuseum.se))

18:00 Dinner

### *Saturday, Nov 12*

9:00 Numerical analysis perspective and challenges in Climate Simulations (Marco Kupiainen, SMHI)

9:45 Presentation by TU Delft (Arnold Heemink)

10:15 Coffee break

10:45 Presentations by COSSE alumni

12:00 Closing remarks

12:15 Lunch

from 13 Farewell

## **Conference venue**

The COSSE workshop will take place in the Clarion Hotel Stockholm, Ringvägen 98 <http://www.choice.se/clarion/clarion-hotel-stockholm>. It is located in the centre of Stockholm at the island Södermalm. The closest underground station is Skanstull on the green underground line, just 4 stops from Stockholm central station and T-Centralen.

How to get there:

From the airport Stockholm Arlanda you can take either the airport coaches (flygbussarna) or the airport trains (Arlanda Express). Both arrive at Stockholm central station. While the busses cost SEK 119 (SEK 99 when bought online) the airport trains cost SEK 280 for a one-way ticket. There are reduced tickets available, check with <https://www.arlandaexpress.com/priser.aspx>. At the train station you should go to the central underground station, T-centralen, which is just a 10 minutes walk. From there take the green line towards Skarpnäck, Farsta strand, or Hagsätra and leave at the station Skanstull. Take the exit in the direction of travel. Underground tickets can be bought at the gates. Single tickets are rather expensive, SEK 36 (when bought at a selling machine) otherwise SEK 50.

Alternatively, you can take a taxi from Arlanda directly to the hotel. It should cost around SEK 500 for 1-4 persons. Be extremely careful: taxi prices are freely negotiable! We recommend to use one of the larger companies who have an indication of the price on a sticker at the windows.



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## ***Stockholm***

Stockholm is the capital and largest city of Sweden, with nearly 2 million inhabitants in its metropolitan area. It calls itself even as being the capital of Scandinavia. The inner city is made up of 14 islands across Lake Mälaren and three streams into the brackish Baltic Sea, with the Stockholm archipelago with some 24,000 islands, islets and skerries. Over 30% of the city area is made up of waterways, and another 30% is made up of green areas. Air and water are said to be the freshest of any European capital.

Stockholm is the cultural, media, political, and economic centre of Sweden. The Stockholm region alone accounts for over a third of the country's GDP, and is among the top 10 regions in Europe by GDP per capita. It is an important global city, and the main centre for corporate headquarters in the Nordic region. The city is home to some of Europe's top ranking universities, such as the Stockholm School of Economics, Karolinska Institute and Royal Institute of Technology (KTH). It hosts the annual Nobel Prize ceremonies and banquet at the Stockholm Concert Hall and Stockholm City Hall. One of the city's most prized museums, the Vasa Museum, is the most visited non-art museum in Scandinavia.

(with material from wikipedia)