

# STEP Manufacturing (ISO-TC184/SC4/WG3/T24)

March 10-11, 2008

Sandvik Coromant Application Center  
Sandviken, Sweden



# Facilities

## Productivity Center and adjacent Application Center

- Conference room:



- Model factory set-up for "solid model to solid part" demonstrations:



# Application Center

## Resources

- AP203 → Tool paths (UGS NX3/NX5 software) → AP238
- Verification of tool paths (Vericut v.6)
- CNC
  - 3-axis machining (Mori Seiki NH8000 / Fanuc 180i)
  - 5-axis machining (Hermle C40U Dynamic / Heidenhain iTNC530)
  - probing (Hermle C40U Dynamic / Heidenhain iTNC530 / Renishaw)
- CMM
  - probing (Zeiss Center Max)



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# Conference Room

## Options

- Sandvik Coromant (on site):
  - Room for about 20-25 people around u-shaped table. Some additional extra seats possible in the back of th room. –this room is reserved
  
- Sandbacka Park (office park -5 minutes away by bus):
  - Large room, 80 person capacity available **–not reserved**
  
- Högbo Brukshotell (10 minutes by bus):
  - Larger room, up to 180 people available **–not reserved**

# Hotel and Transportation

## Sandviken

- Hotel reservations and transportation
  - hotels and transportation to/from airport (1.5h drive) to be booked via Sandvik (If you provide flight information, Sandvik will arrange free-of-charge airport pick-up)
  - Hotell Princess (preferred)  
(5 minutes by bus, 15 minutes walking distance):
    - single standard room 1250:- (about €130 or \$187)
    - double standard room 1 630:- (about €170 or \$244)  
(25 single standard rooms are reserved for two nights, March 9-11)
  
- Högbo Brukshotell (alternative hotel)  
(10-15 minutes by bus):
  - single room in main building 1645:- (about €172 or \$246)
  - single room in sport village 1250:- (about €130 or \$187)

# Agenda

Sandviken, March 10-11

- Monday, March 10 - 8AM - 12PM
  - Demonstration of feed speed optimization
  - Discussion of cross section attributes required to enable feed-speed optimization
  - Finalization of attributes to be included in AP-238 Edition 2
- Monday, March 10 - 1PM - 5PM
  - Demonstration of interfacing to ISO 13399 cutting tool data for optimal tool selection
  - Discussion of changes required to AP-238 to enhance tool selection
  - Finalization of attributes to be included in AP-238 Edition 2
- Tuesday, March 11 - 8AM - 12PM
  - Demonstration of traceability
  - Discussion of functionality to be included in AP-238 Edition 2
  - Finalization of attributes to be included in AP-238 Edition 2
- Tuesday, March 11 - 1PM - 5PM
  - Discussion of strategies for submitting Edition 2 (as a TC, DIS etc)
  - Confirmation of edition 2 scope with respect to the three functionality areas
  - Goals for next meeting

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# Agenda

Stockholm, March 12-13?

- Wednesday, March 12 - 8AM - 5PM
  - Seminar on MLM, Manufacturing Lifecycle Management
- Thursday, March 13 – 8AM - 5PM
  - Seminar on MLM, Manufacturing Lifecycle Management

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# Links to Map

- [Arlanda Airport](#)
- [Sandvik Coromant](#)
- [Hotel Princess](#)

Alternative hotels and conference rooms:

- [Högbo Bruk \(hotel and conference room\)](#)
- [Sandbacka Park \(conference room\)](#)