



INTERNATIONAL FEDERATION
OF AUTOMATIC CONTROL

18th IFAC Symposium on System Identification

9th to 11th of July, 2018, Stockholm, Sweden





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Marco Campi, Univ. Brescia
IPC Chair



Martin Enqvist
Linköping Univ.



Cristian Rojas, KTH
Editor



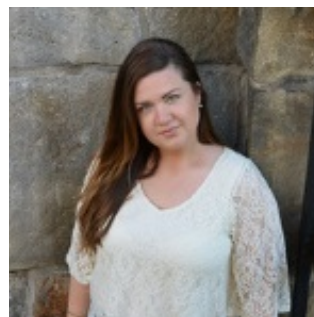
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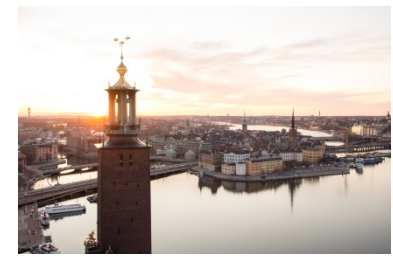
Jonas Sjöberg
Chalmers



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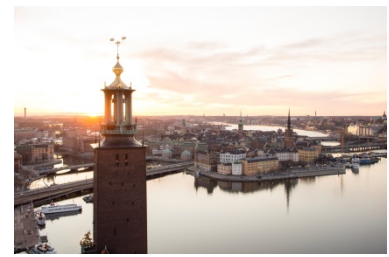
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Let's go back to the evening of October 20, 2015

The Banquet of SYSID 2015 in Beijing

What we promised:

Welcome to Stockholm!

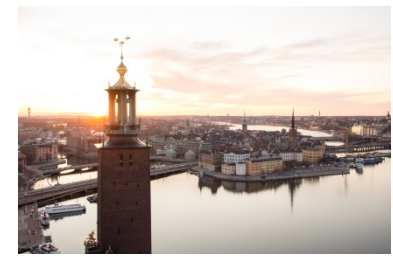
December 24-26 2018





Practical information

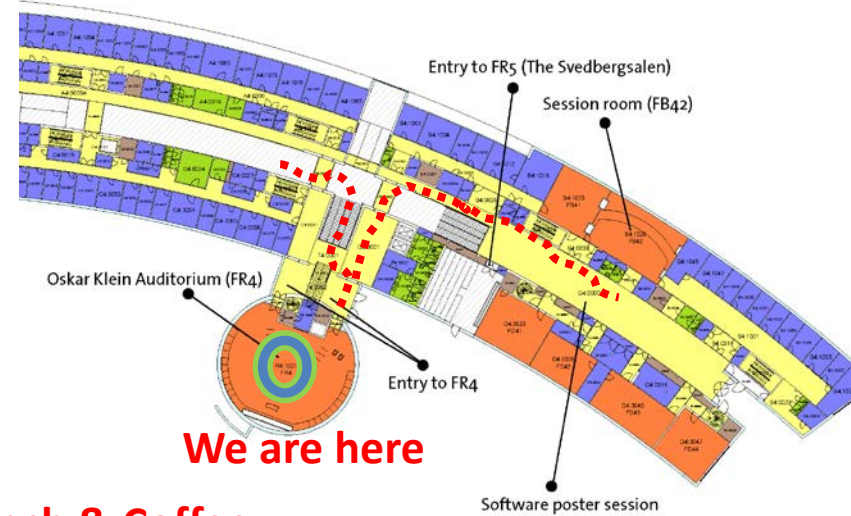
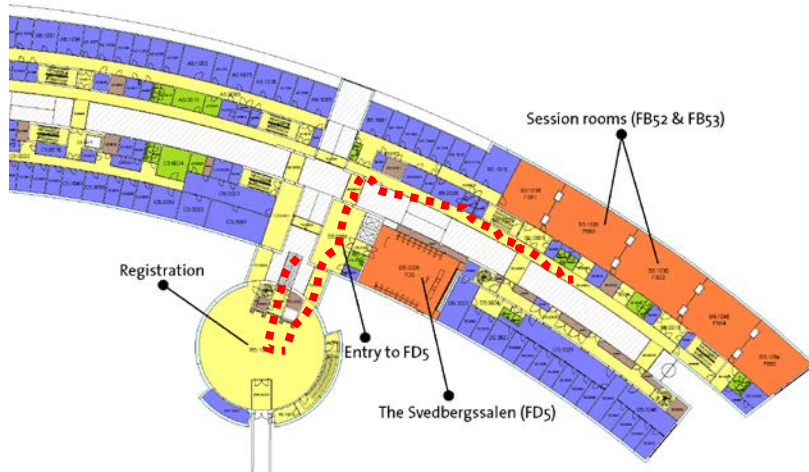
- **Name tags**
Contains information about which events you registered for
- **WiFi**
Network: SU
Login: oct-vpbf
Password: X8vMKgVMNL
- **Lunches**
 - Lunchboxes can be picked up on Floor 3.
 - Special diets: Ask staff for *your* box!
 - Tables on Floors 3,4 and 5, and outdoor (access from Floor 3)
- **Coffee Breaks**
 - Floor 3
- **Conference App**
Scan QR-code that can be found on walls or type in
<http://ifac.papercept.net/conferences/conferences/SYSID18/app/app.html>
- **Boule/Pétanque**
Available outside floor 3
- **Session Chairs**
 - 15 minutes before session starts



Floor plans

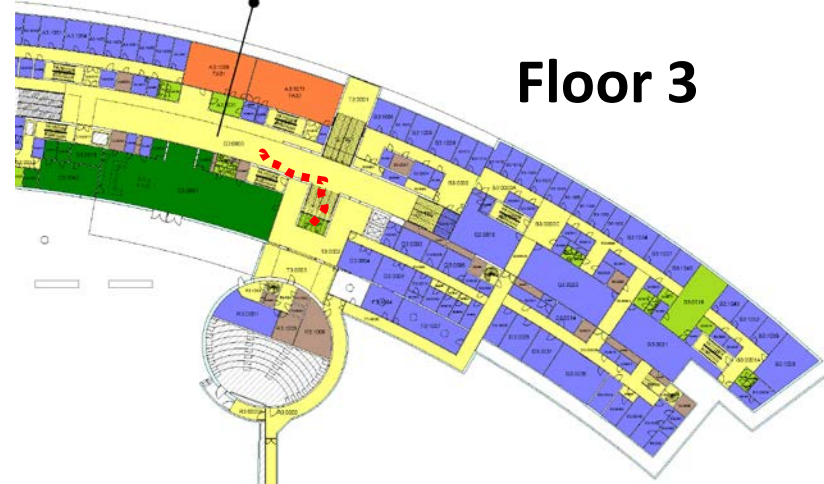
Floor 4

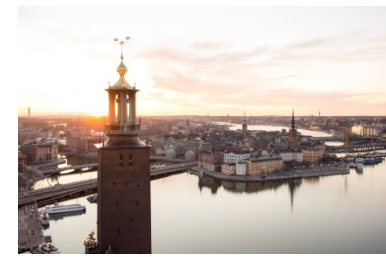
Floor 5



Lunch & Coffee

Floor 3

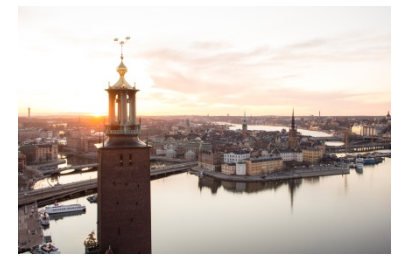




• Getting around

- 72h travel pass enclosed in conference kit (metro, busses, tramways, commuter trains, ferries (not all))
- App "Res i Sthlm" for planning your travels
- App "SL-Reseplanerare och biljetter" for paying tickets with your mobile

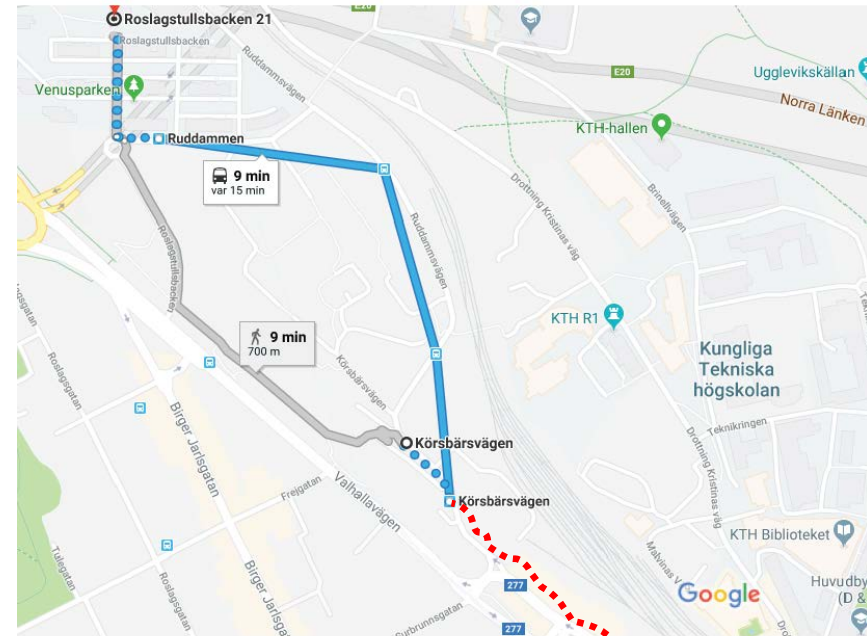




Getting to AlbaNova

From metro station Tekniska
Högskolan:

- Walk
- Bus 61: Every 15 min (7:00-9:00,
18:00-19:00)



**Tekniska Högskolan
Metro Station
Exit: Körsbärsvägen**

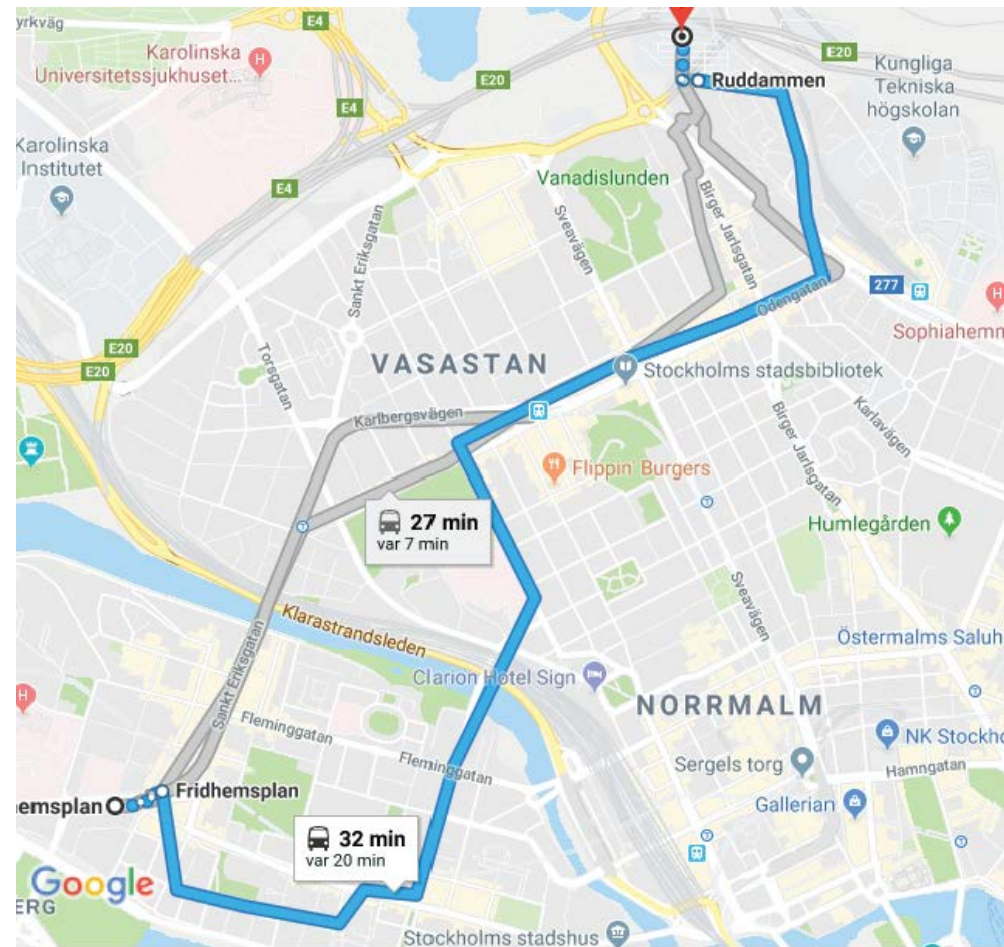


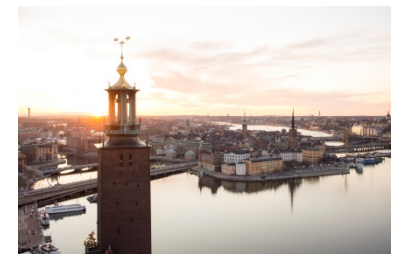
Getting to AlbaNova

Bus 61

Every 15 min

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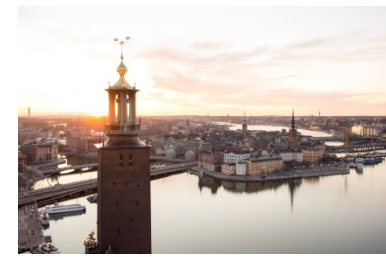


Social Events

- **Welcome Reception**

- Stadshuset (City Hall).
- Monday 19.30 – 21.30
- Hosted by the City of Stockholm
- You will need your official invitation
- Welcome, Guided Tour, Buffet
- Getting there:
 - From AlbaNova: Bus 50 from Birger Jarlsgatan (see Final program)
Bus 50 also passes the Central station
 - Metro: Get off at T-Centralen and take a 7 min walk (500 m).

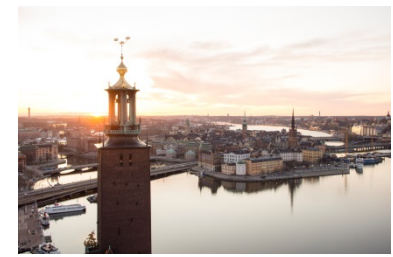




Getting there

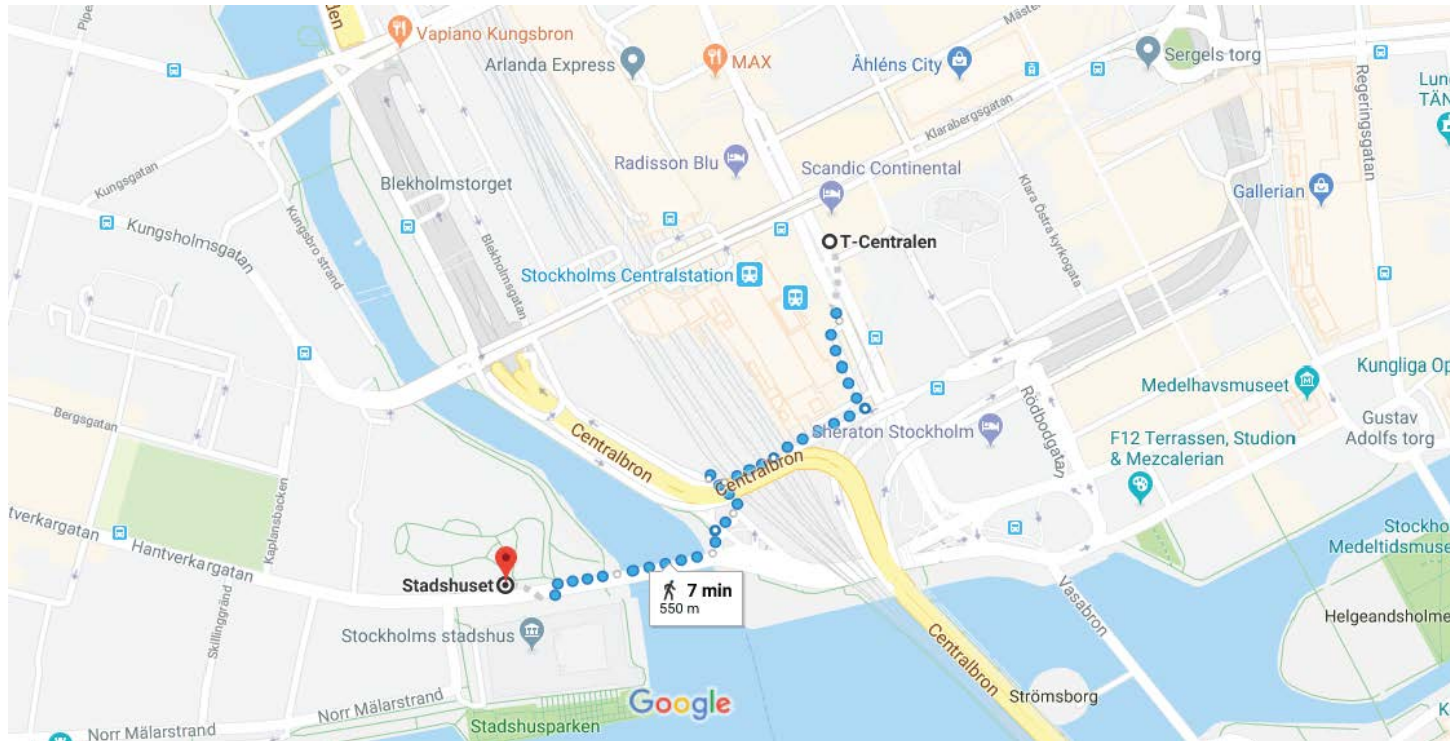
- Metro to T-Centralen followed by a 7 minute (600m) walk.
- Bus 61 to Kungsholmstorg followed by a 9 minute (800m) walk.





Getting there

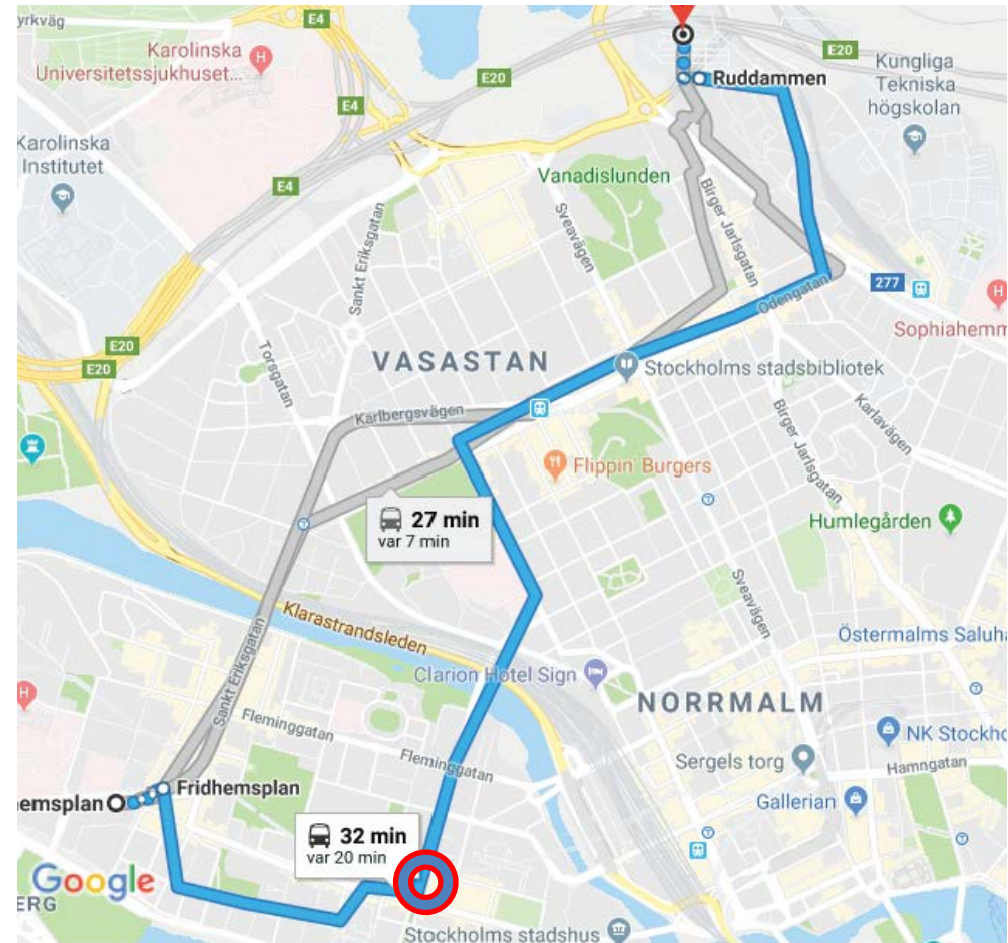
- Metro to **T-Centralen** followed by a 7 minute (600m) walk



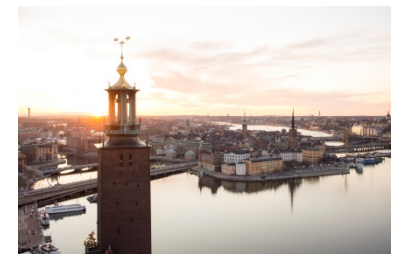


Getting there

- Bus 61 to **Kungsholmstorg** followed by a 9 minute (800m) walk

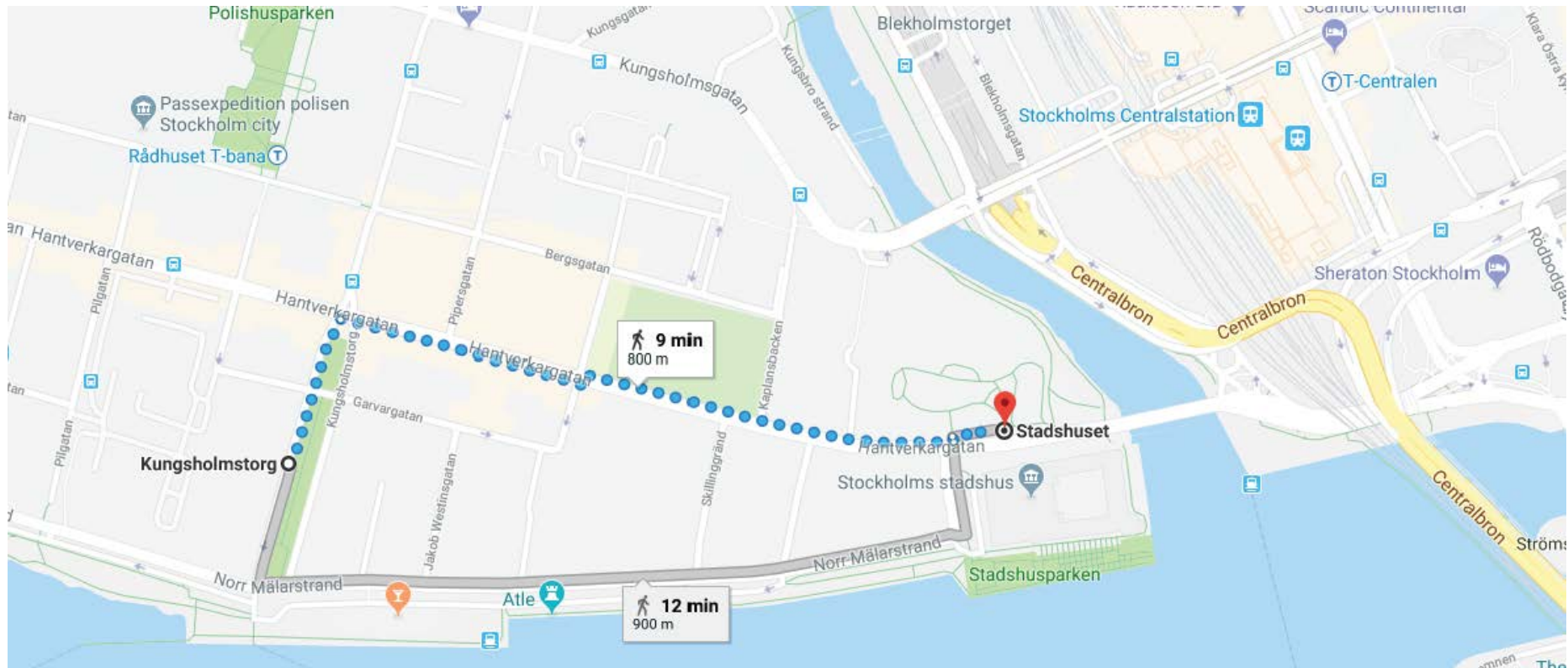


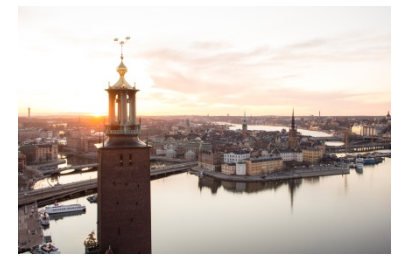
Kungsholmstorg



Getting there

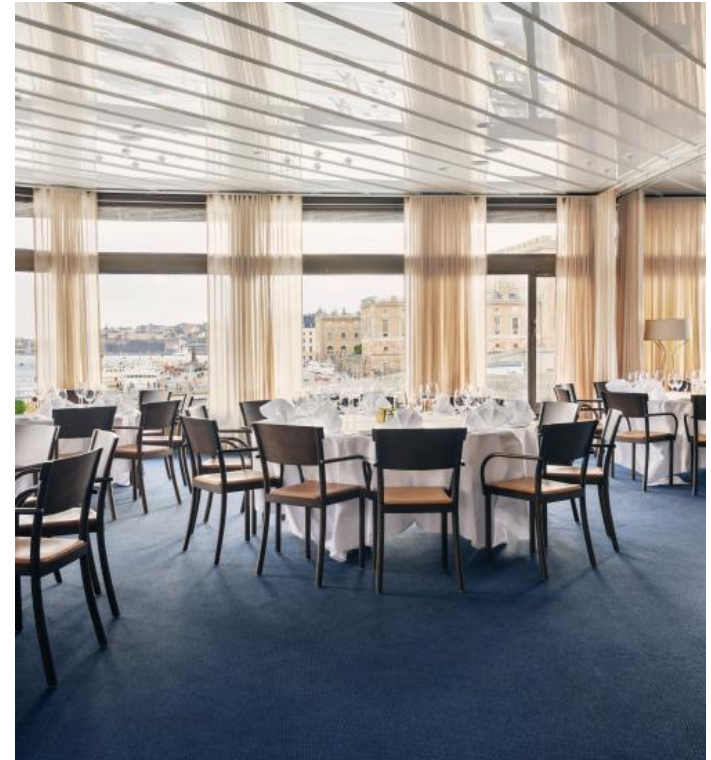
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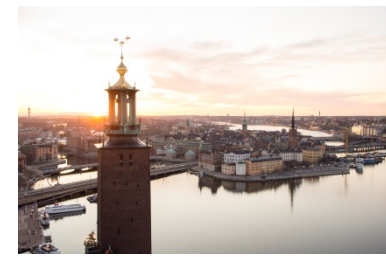




- **Banquet**

- Dinner at **Operaterrassen**, preceded by mingle at **Café Opera**
- Tuesday **19:30-**
- There are a few seats available at the registration desk. First come first serve. 100 EUR.

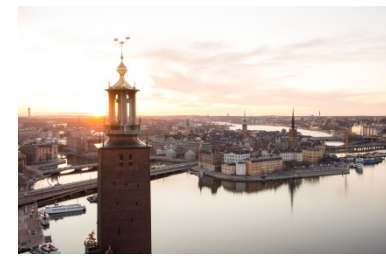




Getting there

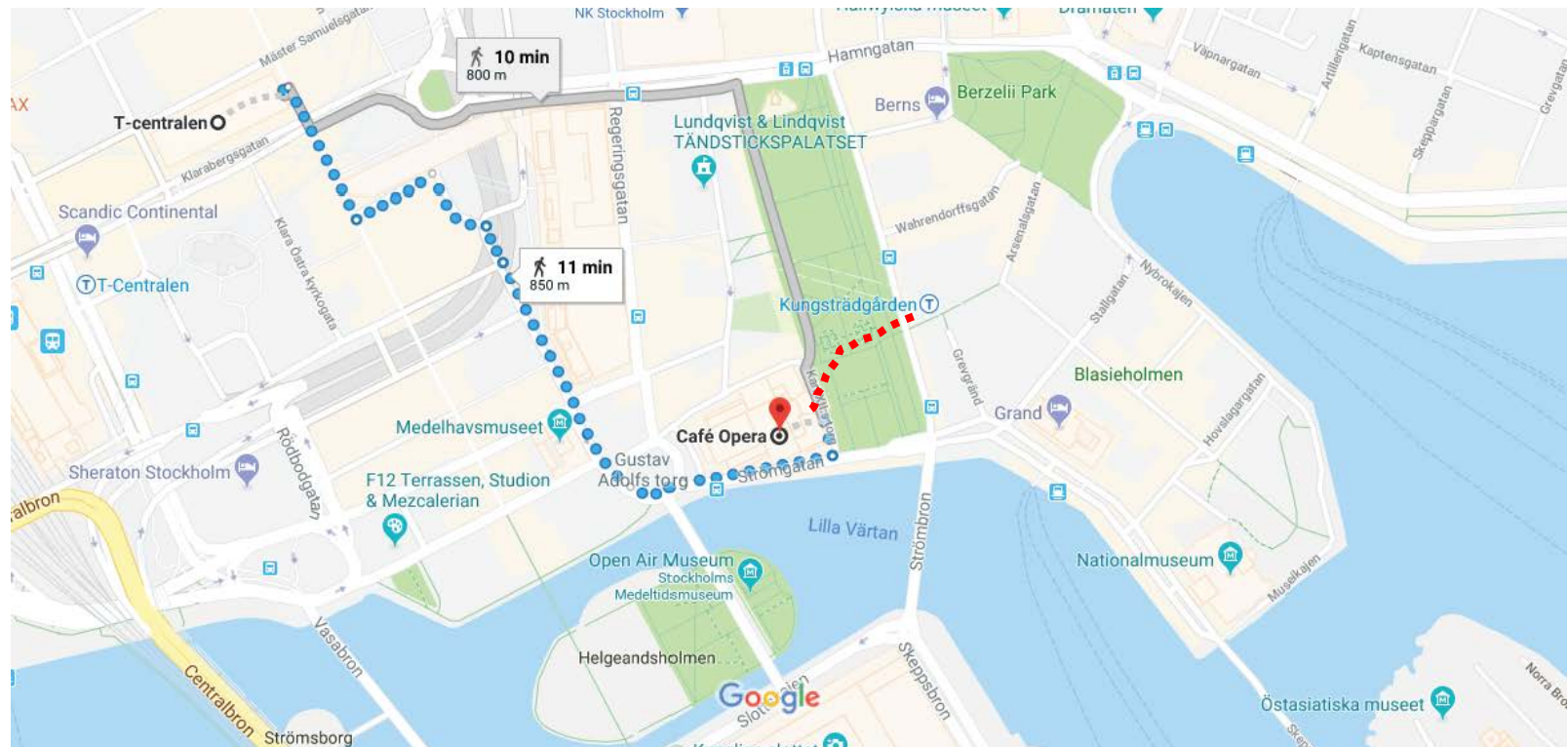
- Karl XII:s torg
- Metro
 - Get off at T-Centralen and take a 12 min (900 m) walk
 - Take the Blue line to Kungsträdgården (end station) and walk across the park.

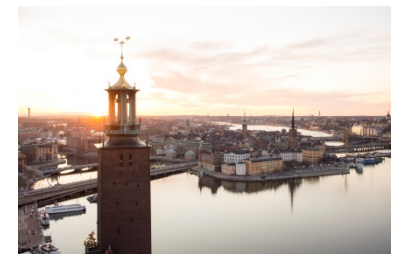




• Getting there

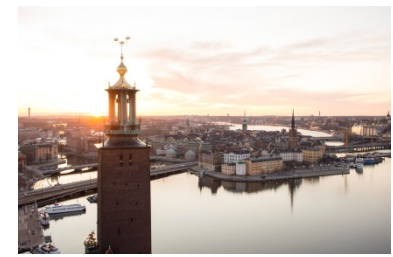
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- **Closing Reception**

- Wednesday 16:10
- **OBS: Starts with Young Author Award Ceremony in the Oskar Klein Auditorium**
- Cake & Drinks will then be served on Floor 3



Technical Program

- 2 plenary talks/day

Johan Schoukens: *Nonlinear System Identification: A User-Oriented Roadmap*

Michael I. Jordan: *On Gradient-Based Optimization: Accelerated, Stochastic and Nonconvex*

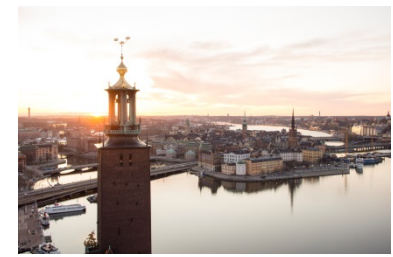
Csaba Szepesvári: *Why Should You Work on Reinforcement Learning?*

Paul M.J. Van den Hof: *Data-Driven Modeling in Linear Dynamic Networks*

Gianluigi Pillonetto: *Regularized Kernel-Based Strategies for System Identification*

Roy Smith: *Modeling, Identification, Estimation and Adaptation for the Control of Power Generating Kites*

- 185 papers, all with at least three independent reviews. 644 reviews.
3.5 reviews in average/paper
- 4-5 parallel sessions (Floors 4 and 5)
- 30 regular sessions
- 5 invited sessions
- 1 software demonstration session (Tuesday after lunch, Floor 4)
- Introducing the 6-5-4 system



Young Author Award

To be eligible, the candidate must be the first and presenting author of the paper and at the time of the event must be of max 30 years old.

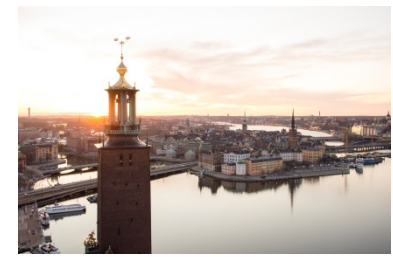
- First time for SYSID
- 21 nominations
- Award Committee

Brett Ninness (Chair), University of Newcastle

Er-Wei Bai, University of Iowa

Alessandro Chiuso, Università degli Studi di Padova

Rik Pintelon, Vrije Universiteit Brussel



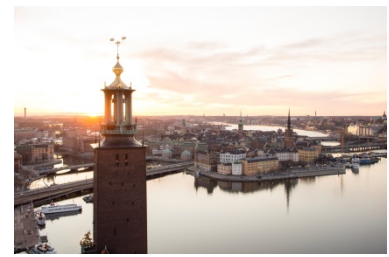
Four finalists:

- **Federico Bianchi, Politecnico di Milano**
MoB04.3 15:10-15:30 *A randomized approach to switched nonlinear systems identification,*
Federico Bianchi, Maria Prandini and Luigi Piroddi
- **Oliver Kost, University of West Bohemia**
WeA03.4 11:00-11:20 *Noise Moment and Parameter Estimation of State-Space Model,*
Oliver Kost, Jindřich Duník and Ondřej Straka
- **Tommi Reinikka, Tampere University of Technology**
WeA01.6 11:40-12:00 *PHIL Test Bench for Online-Identification Methods of Complex Power Grid,*
Tommi Reinikka, Roni Luhtala, Henrik Alenius, Tomi Roinila and Tuomas Messo
- **Masoud Moravej Khorasani, The University of Melbourne**
WeB02.1 14:30-14:50 *Non-Asymptotic Confidence Regions for Errors-In-Variables Systems,*
Masoud Moravej Khorasani and Erik Weyer



And now:

LET'S ROLL!!!



And now:

LET'S ROLL!!!