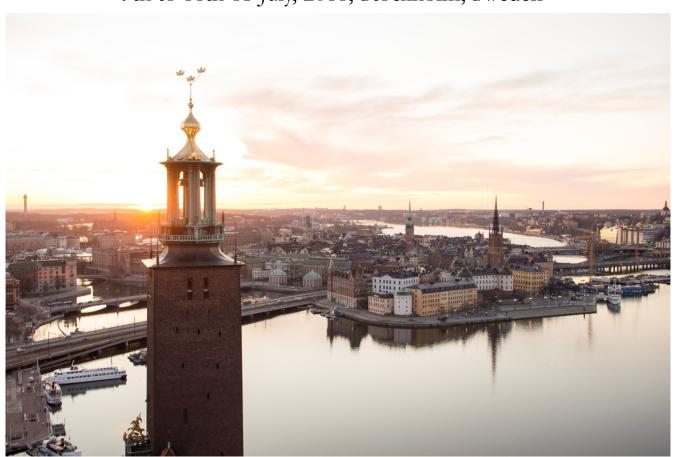


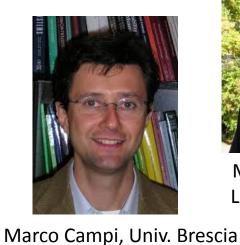
9th to 11th of July, 2018, Stockholm, Sweden





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





\$

Martin Enqvist Linköping Univ.



Cristian Rojas, KTH Editor



Pradeep Misra, Wright State Univ.

Bo Wahlberg, KTH Vice Chair



Håkan Hjalmarsson, KTH General Chair



Felicia Gustafsson, KTH Administrator



Alf Isaksson ABB Corporate Research Industry Chair



Jonas Sjöberg Chalmers



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



### **International Program Committee**

IPC chair: Marco Campi, University of Brescia, IT

Juan Carlos Agüero, CL

Er-Wei Bai, US

Laurent Baratchart, FR

Robert Bitmead, US

Sergio Bittanti, IT

Xavier Bombois, FR

Jie Chen, US

Alessandro Chiuso, IT

Fabrizio Dabbene, IT

Manfred Deistler, AT

Subhrakanti Dey, SE

Martin Enqvist, SE

Hai-Tao Fang, CN

Simone Formentin, IT

Simone Garatti, IT

Hugues Garnier, FR

Andrea Garulli, IT

László Gerencsér, HU

Michel Gevers, BE

Fouad Giri, FR

Keith Godfrey, UK

Oleg Granichin, RS

Lei Guo, CN

William Heath, UK

Roland Hildebrand, FR

Håkan Hjalmarsson, SE

Paul Van den Hof, NL

Tao Liu, CN

Lennart Ljung, SE

Jan Maciejowski, UK

Iven Mareels, AU

Tomas McKelvey, SE

Bart De Moor, BE

Brett Ninness, AU

Carlo Novara, IT

Tom Oomen, NL

Hiroshi Oku, JP

Giorgio Picci, IT

Gianluigi Pillonetto, IT

Rik Pintelon, BE

Diego Regruto, IT

Daniel Rivera, US

Cristian Rojas, SE

Thomas Schön, SE

Johan Schoukens, BE

Roy Smith, CH

Torsten Söderström, SE

Toshiaru Sugie, JP

Hideyuki Tanaka, JP

Roland Tóth, NL

Michel Verhaegen, NL

Antonio Vicino, IT

Tyrone Vincent, US

Bo Wahlberg, SE

Le Yi Wang, US

Liuping Wang, AU

James Welsh, AU

- II ...

Erik Weyer, AU

George Yin, US

Ji-Feng Zhang, CN

Qinghua Zhang, FR

Yanlong Zhao, CN

Wenxiao Zhao, CN

Wei Xing Zheng, AU

Yucai Zhu, CN



# 18th IFAC Symposium on System Identification 9th to 11th of July, 2018, Stockholm, Sweden



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





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



#### **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 <a href="http://ifac.papercept.net/conferences/conferences/SYSID18/app/app.html">http://ifac.papercept.net/conferences/conferences/SYSID18/app/app.html</a>

- Boule/Pétanque: Available outside floor 3
- **Session Chairs:** 15 minutes before session starts
- These slides & photos: <a href="https://www.kth.se/social/group/sysid-2018/">https://www.kth.se/social/group/sysid-2018/</a>



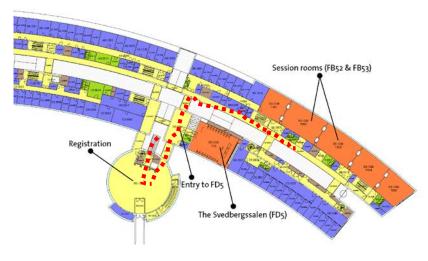
9th to 11th of July, 2018, Stockholm, Sweden



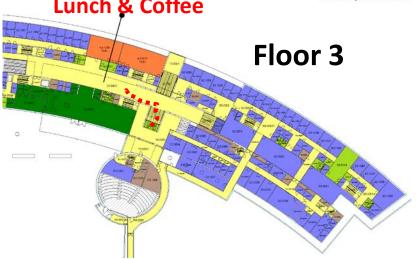
### Floor plans

#### Floor 4

#### Floor 5







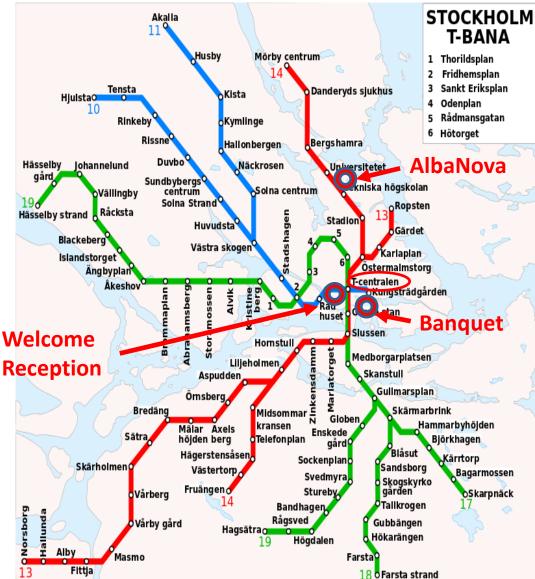


9th to 11th of July, 2018, Stockholm, Sweden



### 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





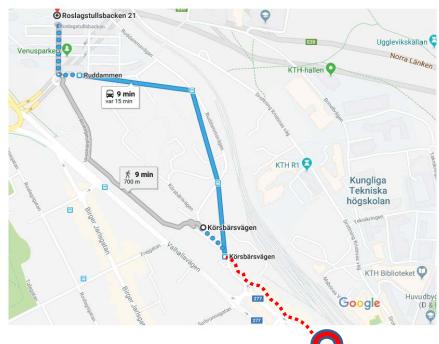
9th to 11th of July, 2018, Stockholm, Sweden



### **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



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

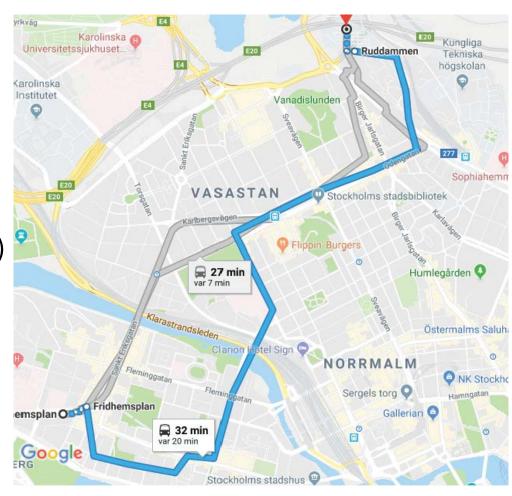


#### **Getting to AlbaNova**

**Bus 61** 

Every 15 min

(7:00-9:00, 18:00-19:00)





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



#### **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).



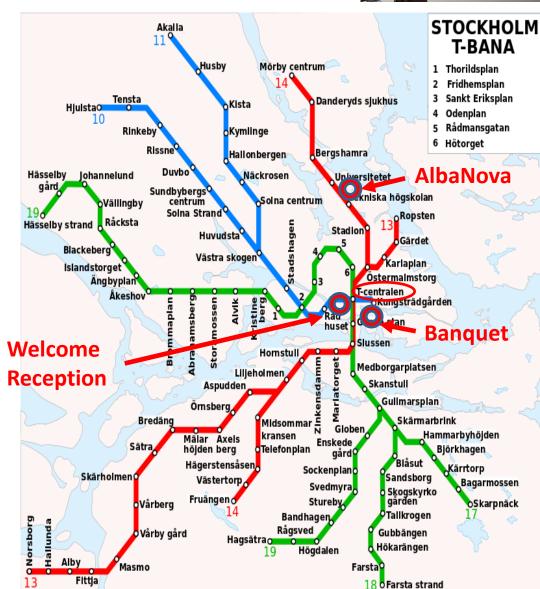


9th to 11th of July, 2018, Stockholm, Sweden



### **Getting there**

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



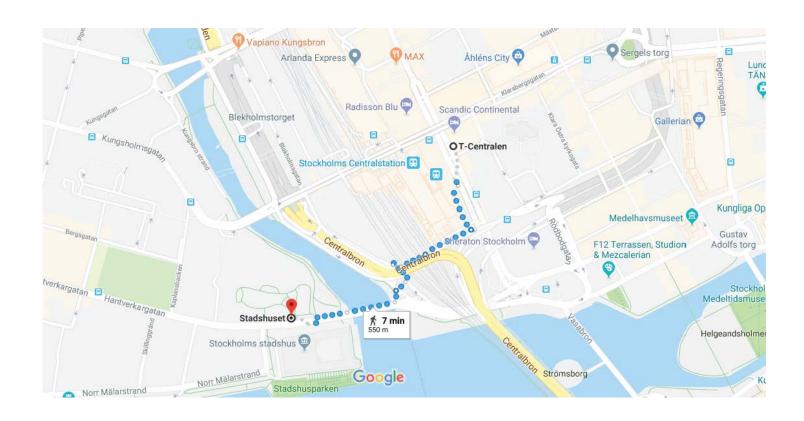


9th to 11th of July, 2018, Stockholm, Sweden



### **Getting there**

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





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



### **Getting there**

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



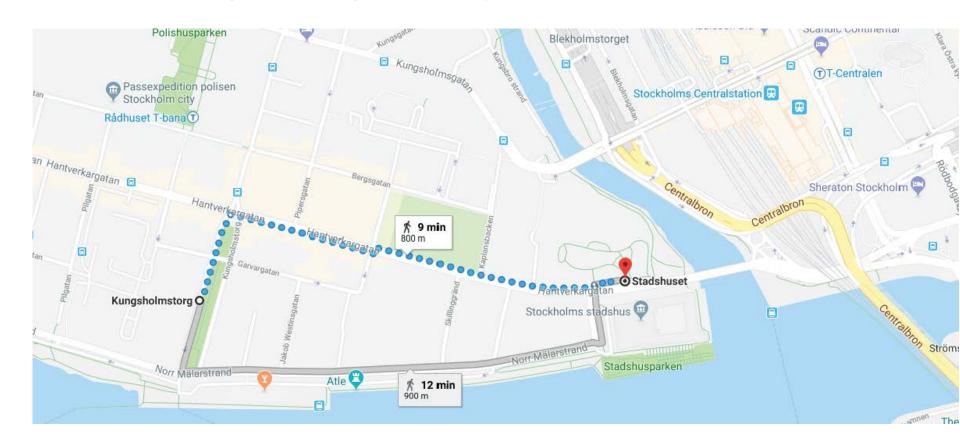


9th to 11th of July, 2018, Stockholm, Sweden



### **Getting there**

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





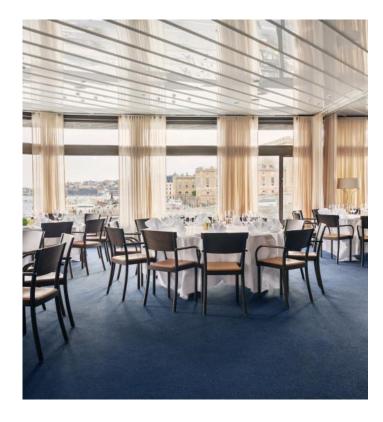
9th to 11th of July, 2018, Stockholm, Sweden



#### 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.





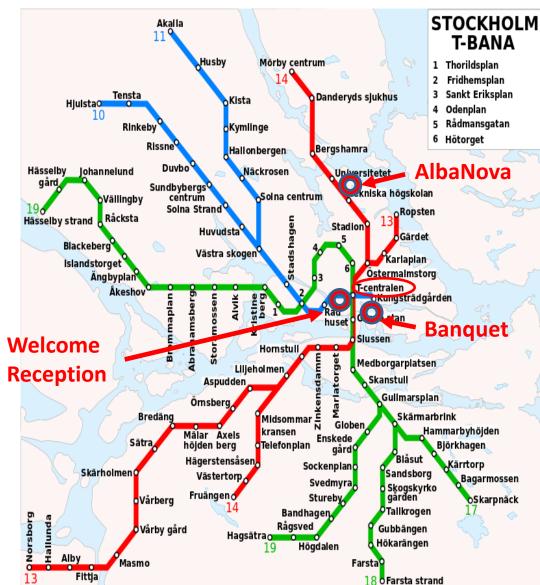


9th to 11th of July, 2018, Stockholm, Sweden



#### 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.



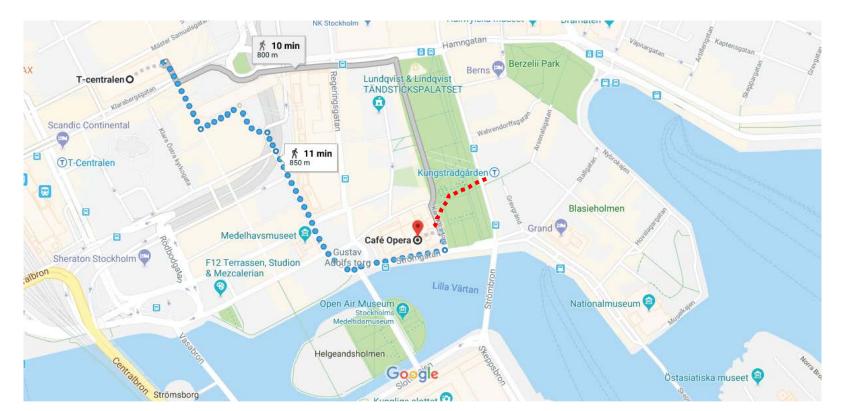


9th to 11th of July, 2018, Stockholm, Sweden



#### Getting there

- 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.





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



### 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.



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



### **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 parallell 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



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



### **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



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



#### 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



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



#### And now:

# LET'S ROLLIST



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



#### And now:

# LET'S ROLLIST