

Welcome to the WASP Winter Conference 2018

Karl-Erik Årzén, Chair PMG



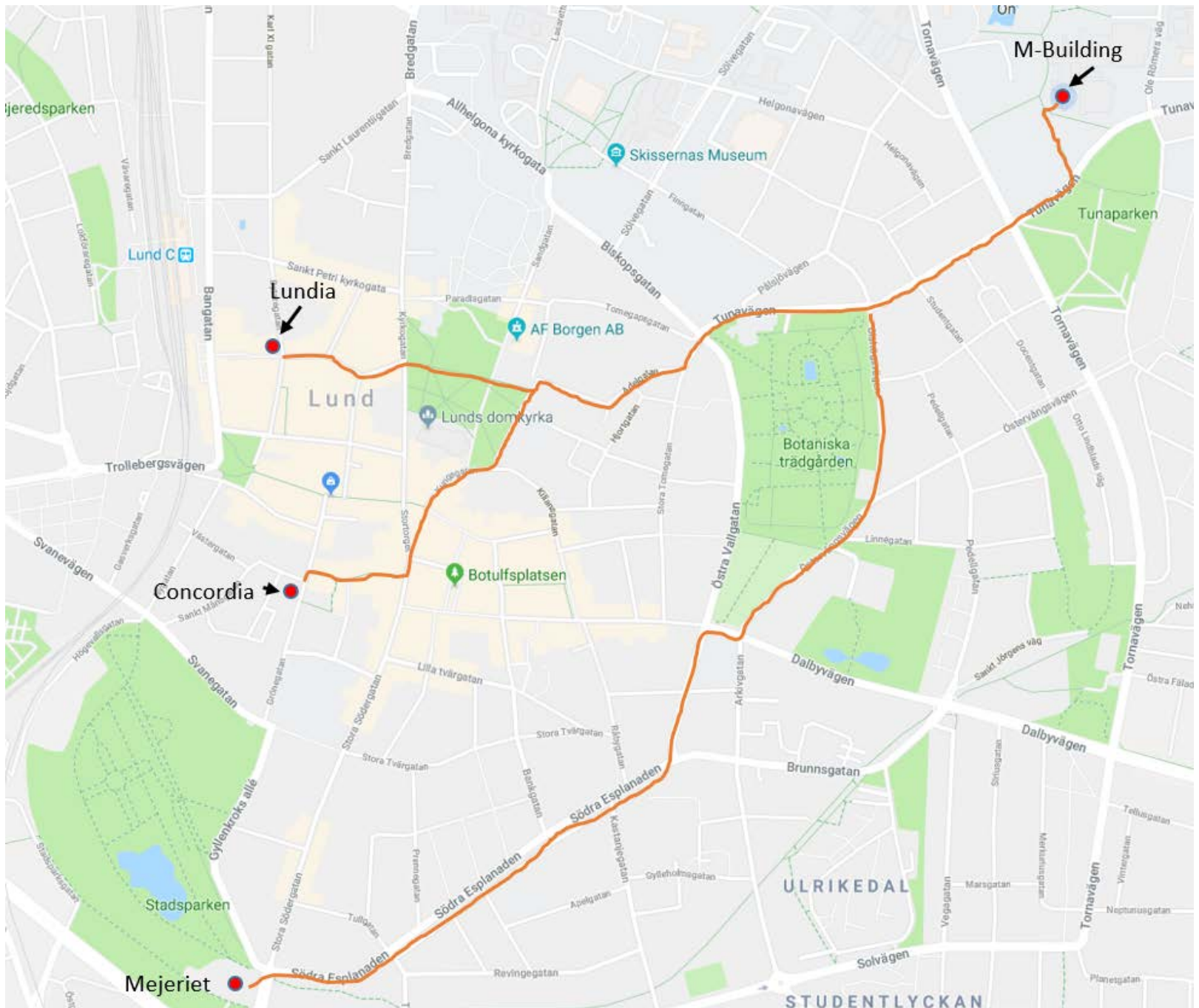
Program

Tuesday

- 13:25 -14:00 WASP Update
- 14:00 - 15:30 WASP Project Course Presentations
- 15:30 - 17:30 Parallel Cluster Sessions
- 19:00 - ... Dinner at Mejeriet

Wednesday

- 08:45 - 10:00 New WASP recruits
 - Christoph Reichenbach, LTH
 - Martin Monperrus, KTH
 - Benoit Baudry, KTH
- 10:30 - 12:00 Parallel Cluster Sessions
- 12:00 - 13:15 Lunch, Inspira Medicon Village



M-Building

Lundia

Concordia

Mejeriet

Lund

AF Borgen AB

Lunds domkyrka

Botulfsplatsen

ULRIKEDAL

STUDENTLYCKAN

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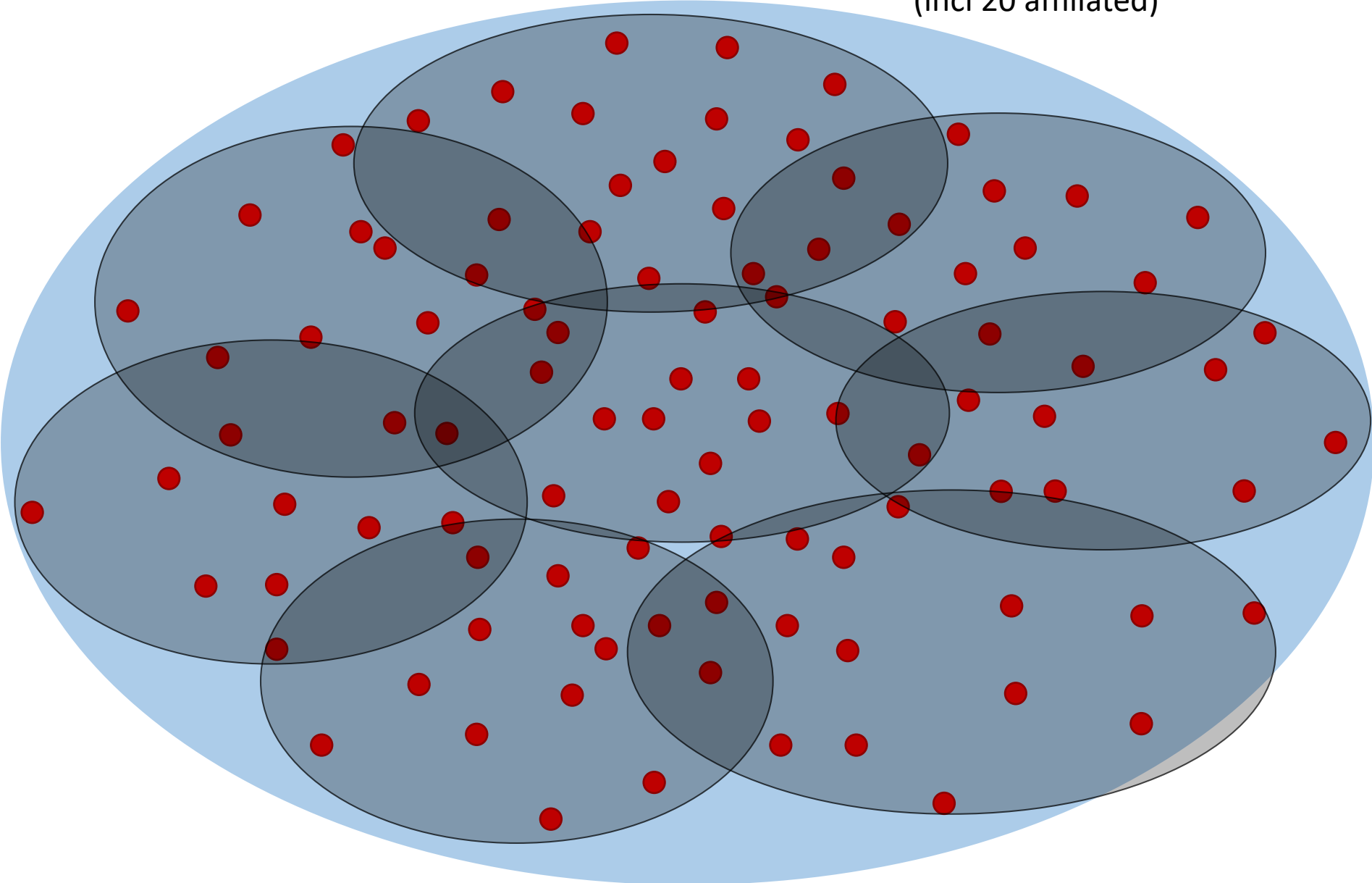
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WASP CLUSTERS

≈117 PhD student projects
(incl 20 affiliated)



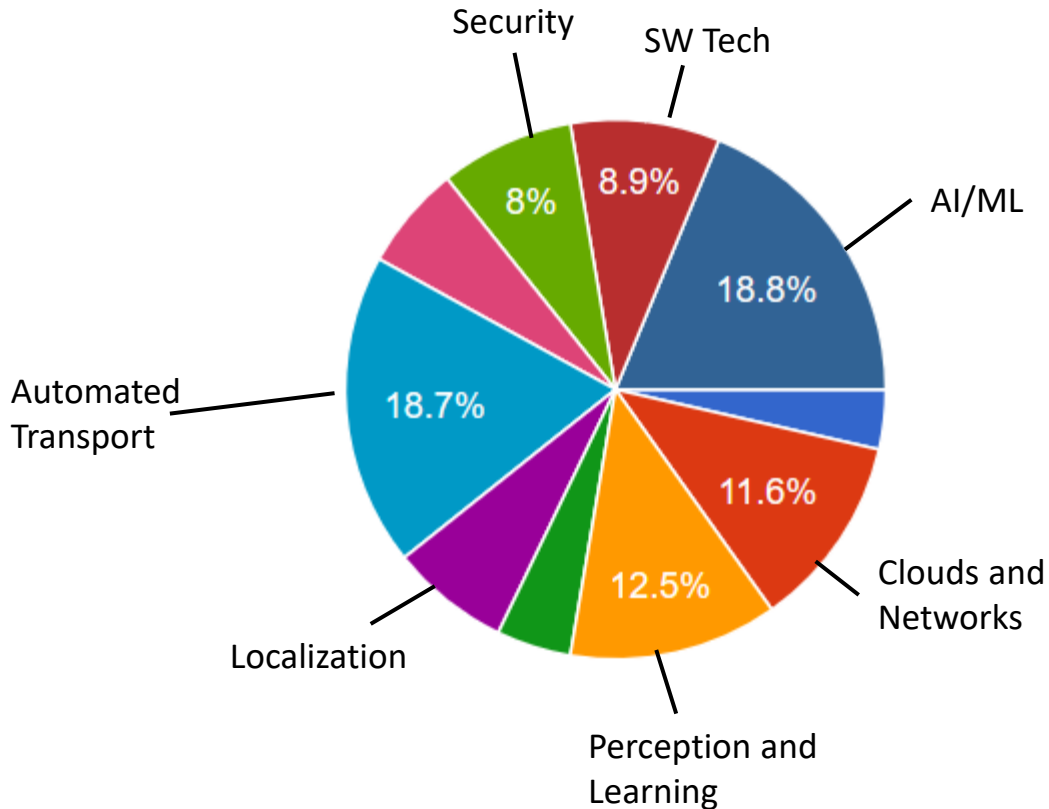
WASP New Clusters

1. Software Engineering for Smart Systems
 - Jan Bosch
2. Autonomous Clouds and Networks
 - Erik Elmroth
3. Perception and Learning in Autonomous Systems
 - Kalle Åström
4. Interaction and Communication with Sensor-Rich Autonomous Agents
 - (Anders Ynnerman)
5. Smart Localization Systems
 - Fredrik Gustafsson

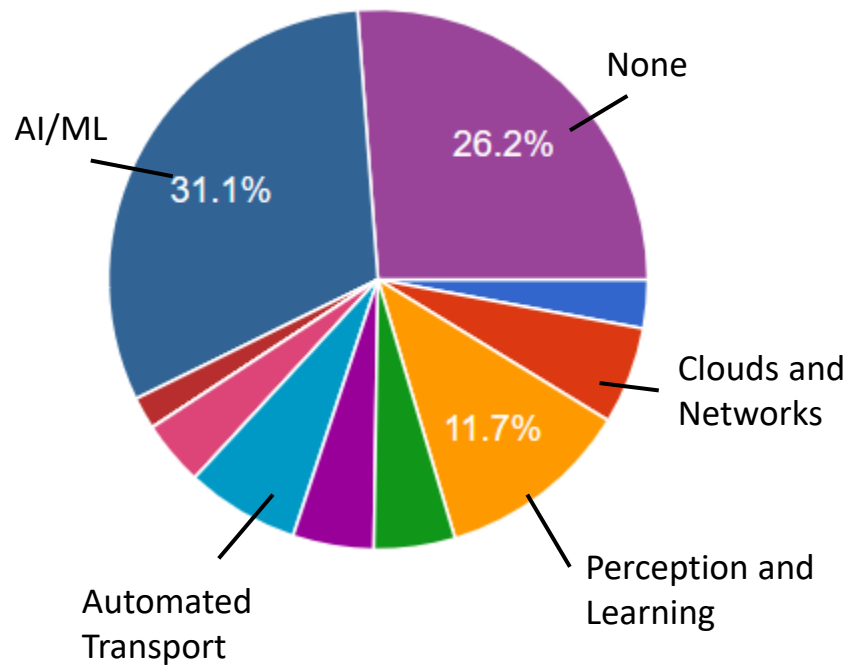
WASP New Clusters

5. Large-Scale Optimization and Control
 - Mikael Johansson
6. Automated Transport Systems
 - Bo Wahlberg
7. Security for Autonomous Systems
 - Sonja Buchegger
8. Software Technology for Autonomous Systems
 - Martin Monperrus
9. AI and Machine Learning
 - Hedvig Kjellström

Major Cluster Size



Minor Cluster Size



Cluster Parallel Sessions

Software Engineering

- Aut. Control's Large Conf Room, Level 1
- Tue
 - Resp: Jan Bosch
 - Poster presentation, PhD student research plans
- Wed
 - Resp: Martin Monperrus
 - Joint session with Software Technology
 - Location:??

Autonomous Clouds and Networks

- Erik Elmroth
- Automatic Control Seminar Room
- Tue
 - Intro presentation by Erik
 - 5 min scientific presentations by Batch 1 students
 - Short introductory presentations by Batch 2 students
 - Disc about cluster topics and common interests
- Wed
 - Poster session + group discussions
 - Concluding discussion

Cluster Parallel Sessions

Perception and Learning

- Resp: Kalle Åström
- M:L1, Level 2
- Tue
 - 15:30 - 16:30 Present and discuss posters
 - 16:30 - 17:00 WARA-CAT test car
 - 17:00 - 17:30 Discuss WARA-CAT with von Corswandt
- Wed
 - Poster presentation cont. And feedback
 - Discussion about WARA-PS

Interaction and Communication

- Resp: Morten Fjeld & Jonas Unger
- M:D, Level 1
- Tue
 - WARA
- Wed
 - Internal workshop, poster presentations, internal discussions, planning

Cluster Parallel Sessions

Localization

- Resp: Fredrik Gustafsson / Gustaf hendeby / Isaac Skoog
- M:M1, Level 2
- Tue
 - Poster presentations
- Wed
 - Discussion on collaborations and demonstrators

Automated Transport

- Resp: Jonas Mårtensson
- M:R, Level 3
- Tue
 - WARA-CAT car
 - Discussions with von Corswandt
 - Poster presentations
- Wed
 - Poster presentation, cont.
 - Status and Future Discussion

Cluster Parallel Sessions

Optimization and Control

- Tue
 - No session, students attend WARA discussions or minor cluster
- Wed
 - Resp: Anders Rantzer
 - M:A
 - Oral presentations by students and discussions
- Wednesday afternoon
 - Continued cluster meeting
 - Aut. Control Seminar Room, Level 2

Security

- M:M2
- Tue
 - Resp: Sonja Buchegger
 - Get to know everyone
 - Round-robin exercise - pose research questions
 - Discussion
 - 17:00 WARA-PS
- Wed
 - Resp: Andrei Gurtov
 - Continued work

Cluster Parallel Sessions

Software Technology

- Resp: Benoit Baudry
- M:L2
- Tue
 - Oral introduction of PhD students
- Wed
 - Poster presentations
 - Joint with Software Engineering

AI and ML

- Resp: Fredrik Heintz
- M:Q
- Tue
 - Presentation of, and discussion about WARA with Gunnar Bark
- Wed
 - Poster session

Session Rooms

Software Engineering - Large Conf Room, Level 1

- Wednesday only

Aut. Cloud - Aut. Control Seminar Room, Level 2

Perception and Learning - M:L1, Level 2

Interaction and Communication - M:D, Level 1

Localization - M:M1, Level 2

Optimization and Control - M:A, Level 1

Automated Transport - M:R, Level 3

Security - M:M2, Level 2

Software Technology - M:L2, Level 2

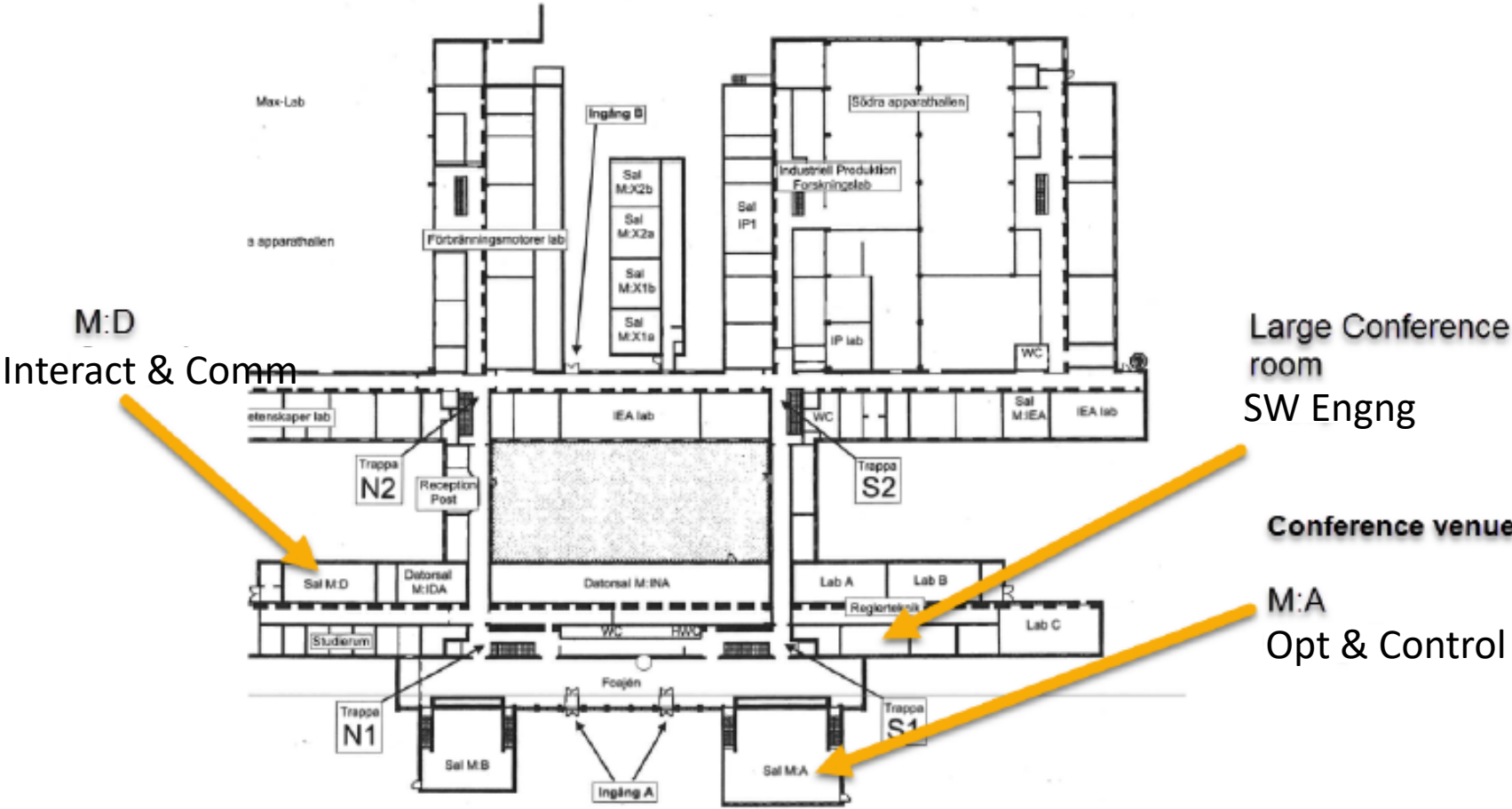
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AI and ML - M:Q, Level 3

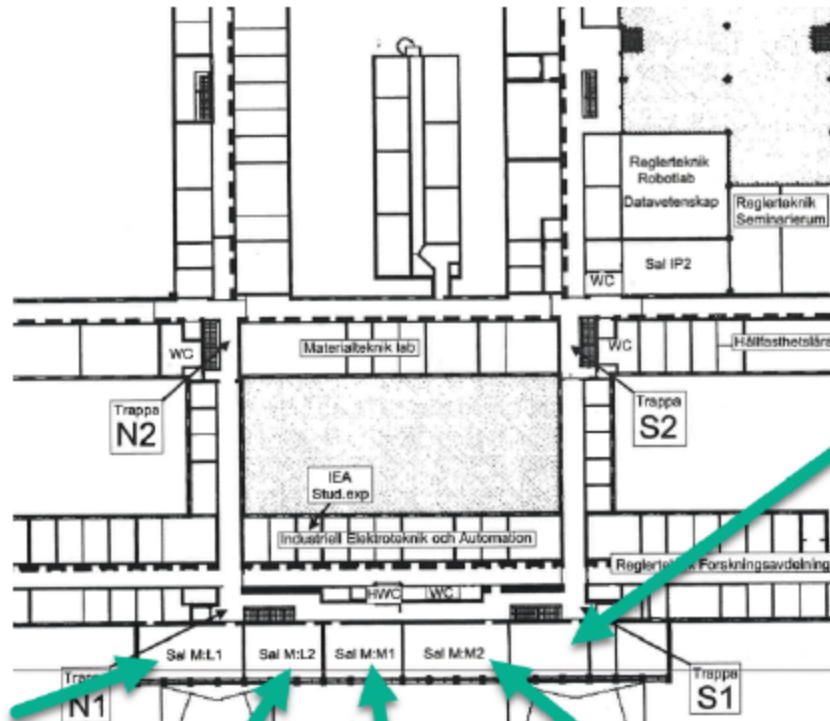
WARA Discussions, Tuesday

- WARA-CAT Test Car
 - Outside the foyer
- WARA-CAT - Fredrik von Corswandt
 - M:A
- WARA-PS - Martin Rantzer
 - M:Q
- WARA General Issues - Gunnar Bark
 - Automatic Control's Coffee Room - Level 3

Ground floor



2 nd floor



Automatic Control's Seminar Room
Aut. Cloud

M:L1
Percept & Learning

M:L2
SW Technology

M:M1
Localization

M:M2
Security

3 rd floor

