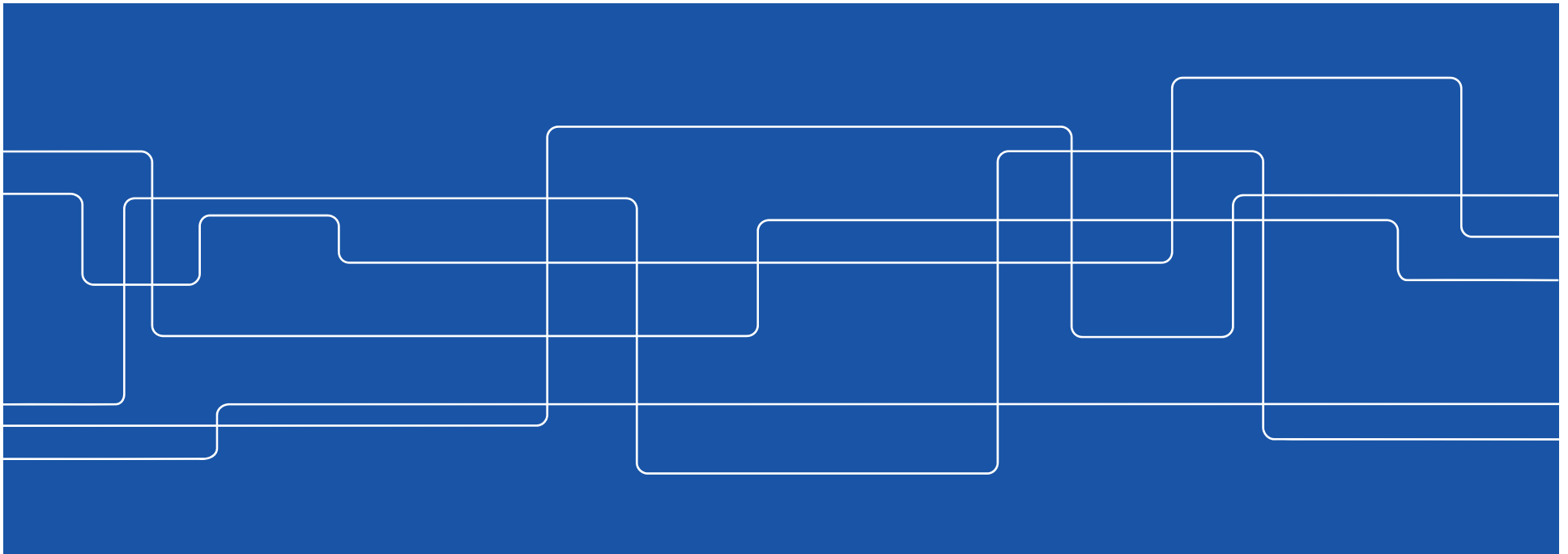




Applied Physics Day 2017

Welcome!





Department of Applied Physics – Present

Electrum



SciLifeLab



AlbaNova



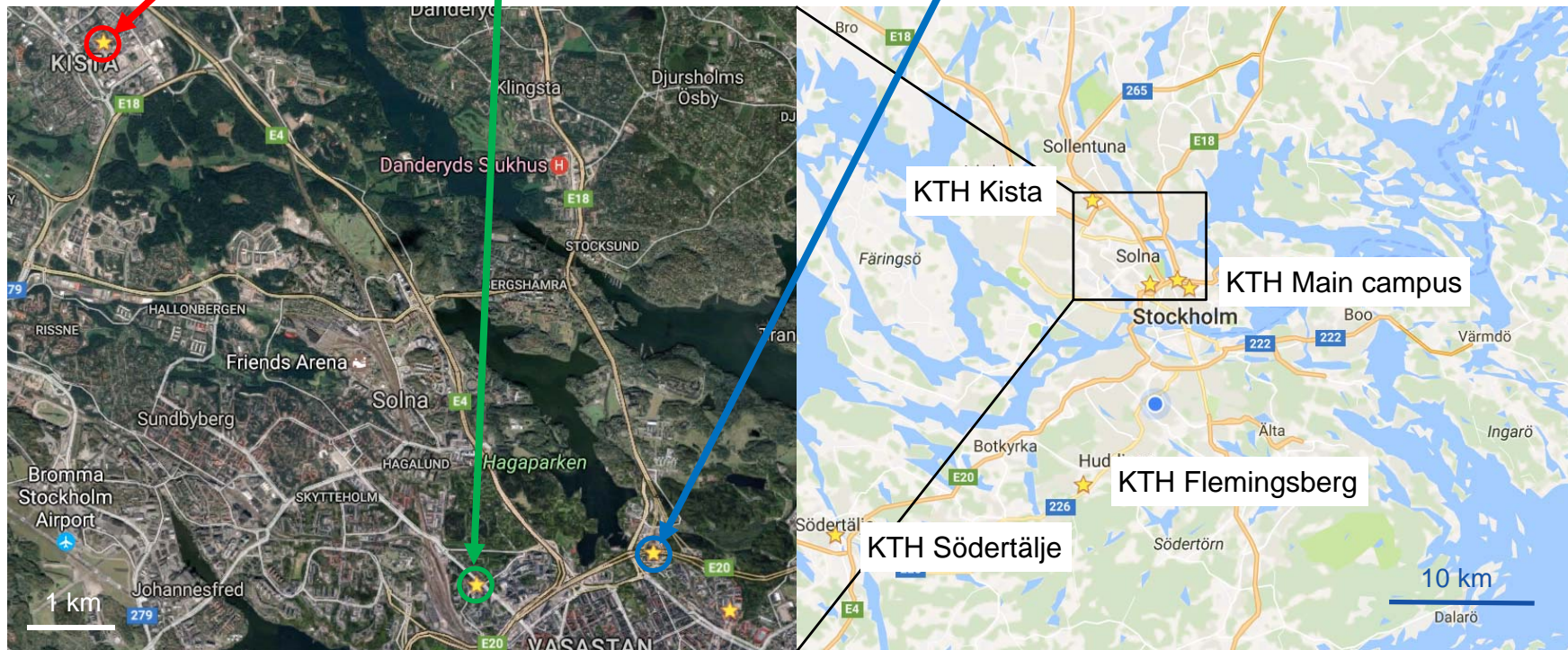
Applied Physics:

185 people

88 % Research

12 % Basic edu

220 MSEK turnover





Department of Applied Physics – Present

Electrum



SciLifeLab



AlbaNova



Applied Physics:

185 people

88 % Research

12 % Basic edu

220 MSEK turnover

Experimentally focused interdisciplinary research:

- Biomedical & X-ray Physics
- Cellular Biophysics
- Experimental Biomolecular Physics
- Quantum Electronics and Quantum Optics
- Quantum NanoPhotonics
- Nanostructure Physics
- Laser Physics
- Materials Physics
- Functional Materials
- Optics and Photonics
- Semiconductor Materials/Photonics and Microwave Eng.

12 research units

Central facilities

AlbaNova:

AlbaNova Nano-Fab-Lab

Laser Lab KTH

SciLifeLab:

Bioimaging platform

Nat. Microscopy Infrastruct.

Electrum:

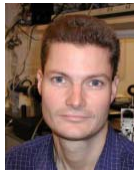
Electrum lab





Department of Applied Physics – Past

2001



AlbaNova:
Dept. of Physics
+ Cell Physics (2003)
+ Biomol. Physics (2003)

Dept. of Physics KTH



Electrum:

FTE, FMI, HMA

Materials Phys.
Cond. Mat. Phys.
Optics



...

2006

Dept. of Applied Phys.
"Bio-Opto-Nano"
+ QEO. (2011)

Dept. of Physics
Dept. of Theo. Phys.

+Functional Materials (2007)

2012

Dept. of Appl. Phys.
(AlbaNova)
+ QNP (2015)

Dept. of Appl. Phys.
(SciLifeLab)
Cell Physics

Dept. of Materials
and Nano Physics
+ Anna Delin (2013)

2017

Dept. of Appl. Phys.
(Electrum)



Department of Applied Physics – Future

More people @ SciLifeLab node

Computational Biophysics (10 p) joins Applied Physics
January 1st 2018



Erik Lindahl
Professor



Berk Hess
Assoc. Prof.



Lucie Delemotte
Assist. Prof.



Magnus Andersson
Researcher



Mark Abraham
Researcher



Department of Applied Physics – Future

New organization 2018

Biomedical & X-ray Physics (24 p)

No change



Head of unit: Hans Hertz

Quantum and Biophotonics (27 p)

Exp. Biomolecular Phys. +
Quant. Elec. & Quant. Opt. +
Quantum Nanophotonics



Head of unit: Jerker Widengren

Laserphysics (28 p)

No change



Head of unit: Fredrik Laurell

Nanostructure Physics (13 p)

No change



Head of unit: David Haviland

Biophysics (37 p)

Cellular Biophysics +
Computational Biophysics



Head of unit: Hjalmar Brismar

To Be Determined (37 p)

Materials Physics +
Functional Materials -
Jan Linnros group



Head of unit: Oscar Tjernberg

Photonics (27 p)

Optics and Photonics +
Semiconductor Materials +
Photonics and Microwave Eng. +
Jan Linnros group





Head of unit: TBD





Department of Applied Physics – Future New organization 2018

Management group

 Peter Unsbo Head of dept	 Oscar Tjernberg Deputy head	 Ulrich Vogt Dir. u.grad. edu.	 Katia Gallo PA Doctoral prg.	 Katarina Stensson Student repr.	
 Hans Hertz	 Hjalmar Brismar	 Jerker Widengren	 Fredrik Laurell	 David Haviland	 Unit head Photonics






Leif Kari
Dean SCI



Anna Delin
Vice Dean SCI

Local TA

 Björn Hessmo Res. engineer	 Madeleine Sidoli Local admin.	 Ingeborg Eriksson Admin SciLife
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Department of Applied Physics – Future New organization 2018

HR & Finance

		
Sara Tiste - HR	Susanna Elfving Blomster - HR	Ann Malmqvist – HR SciLife
		
Vanesa Cova Indriago – Finance	Lucy Zhou - Finance	Hans Johansson - Controller



Department of Applied Physics – Future

Electrum units move to new building
next to AlbaNova April 2020!





Nytt nationellt forskningscenter för kvantteknologi



Enligt Gunnar Björk, professor i fotonik på KTH. Foto: Peter Ardell.

NYHET Publicerad 2017-11-15

Nu är det klart att Knut och Alice Wallenbergs stiftelse (KAW) finansierar ett nytt forskningscentrum som KTH är en del av. Chalmers står som koordinator för centret som har ytterligare två noder, en på KTH och en vid Lunds Universitet. Forskarna ska arbeta med kvantteknologi och centrets totala budget är 950 miljoner kronor över en tioårsperiod.



Organizing committee - 2017



Ilaria
Testa



Jonas
Sellberg



Min
Yan



Thomas
Frisk



Madeleine
Sidoli



Program – Applied Physics Day 2017

14.00 – 14.30 – Registration (level 5) and coffee and sandwiches (level 4)

14.30 – 15.40 – Talks in Oskar Klein Auditorium (FR4)

Welcome by Head of Department, Peter Unsbo and Deputy Head of Department, Oscar Tjernberg

Joint facilities at the Department – Thomas Frisk, BioX

Cryo-EM techniques at SciLife Swedish National facility – Marta Carroni

National and international x-ray infrastructure – Jonas Sellberg, Assistant Prof. BioX

15.40 – 16.00 – Break

16.00 – 17.00 – Talks by Applied Physics Alumni in Oskar Klein Auditorium (FR4)

Tales from a coiner – Jonas Almlöf, Alumni AlbaNova

Pierre-Jean Rigole, Energimyndigheten, Alumni Kista

Slowly diffusing out of academia - Jacob Kowalewski, Alumni SciLife

17.00 -18.45 – Poster Session and mingle (level 4)

19.15 – Dinner at Syster och Bror and announcement of the winners of Applied Physics Poster Prize