



Kan vi stole på tingenes internett?

Finn Lützow-Holm Myrstad, fagdirektør, digitale tjenester
Nasjonalt Internettforum 2019

Twitter: @finnmyrstad

74%

Av forbrukere er bekymret for
sikkerhet og personvern i
tingenes internett



#Toyfail

An analysis of consumer and privacy issues in three internet-connected toys

December, 2018



#WatchOut

Analysis of smartwatches for children

October, 2017





HACKERS REMOTELY KILL A JEEP ON THE HIGHWAY—WITH ME IN IT



Could hackers break my heart via my pacemaker?



Hacker strikes again: Creep hijacks baby monitor to scream at infant and parents



Blame the Internet of Things for today's web blackout

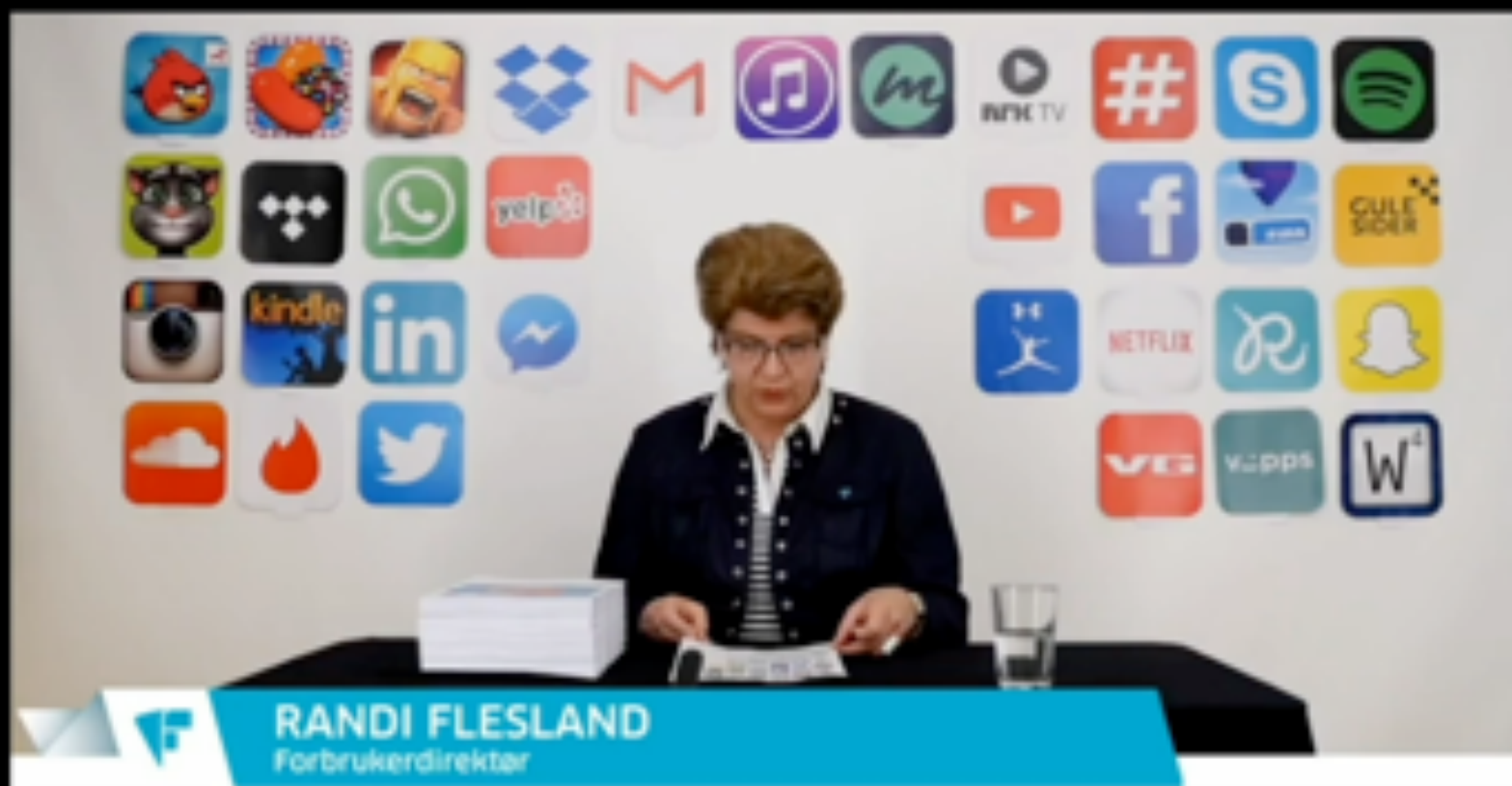
Sikkerhet

Kunne sendt kommandoer til alle tilkoblede smartovner fra norske Mill

Skrevet av Martin Gundersen 16. januar 2019 19



Mill opplyser at de har 50.000 tilkoblede smartovner, og at sårbarheten er fikset.



00:00:00





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Dark patterns

“...features of interface design crafted to trick users into doing things that they might not want to do, but which benefit the business in question.”


Weekend getaway
4 Hotels from \$129
100% Free Cancellation

Special weekend savings and bonus perks
Secure this room for just \$129



Weekend

Special weekend savings and bonus perks



- Free breakfast
- Free parking
- Free WiFi

Reservations

100% Free Cancellation

Available
\$129

Weekend

Special weekend savings and bonus perks



- Free breakfast
- Free parking
- Free WiFi


Reservations

100% Free Cancellation

Available
\$140

Weekend

Special weekend savings and bonus perks



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- Free parking
- Free WiFi

Reservations


100% Free Cancellation

Available
\$129

Available
\$129

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Reservations

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\$129

100% Free Cancellation



DECEIVED BY DESIGN

How tech companies use dark patterns to discourage us from exercising our rights to privacy

27.04.2018



EVERY STEP YOU TAKE

How deceptive design lets Google track users 24/7

27.01.2018



facebook



Required: Review your data settings

Personal data laws are changing in the European Union, and we want to make it easy for you to view some of your data settings.

Please take a few minutes to review these updates and make choices about some specific data settings.

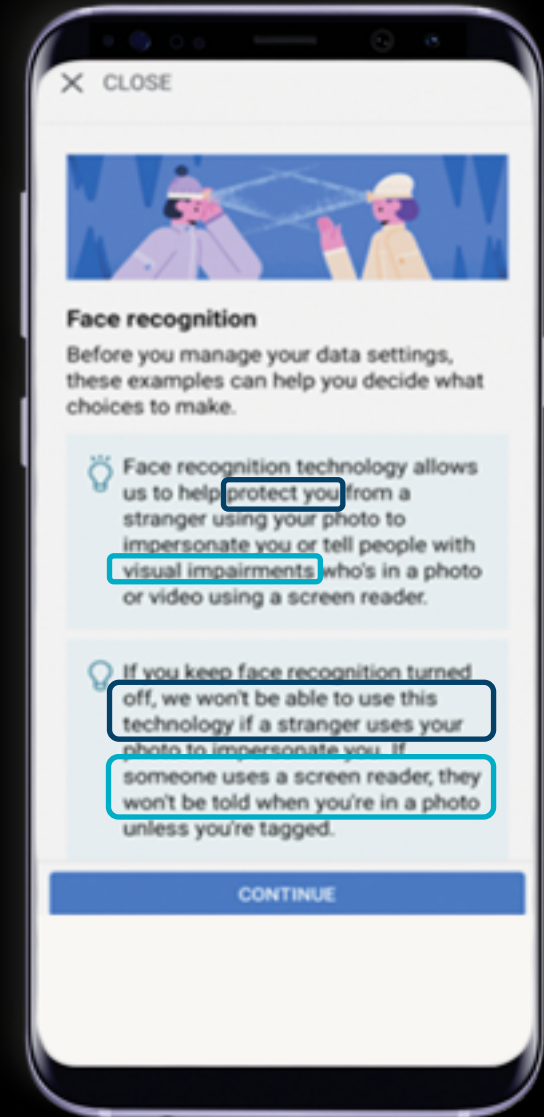
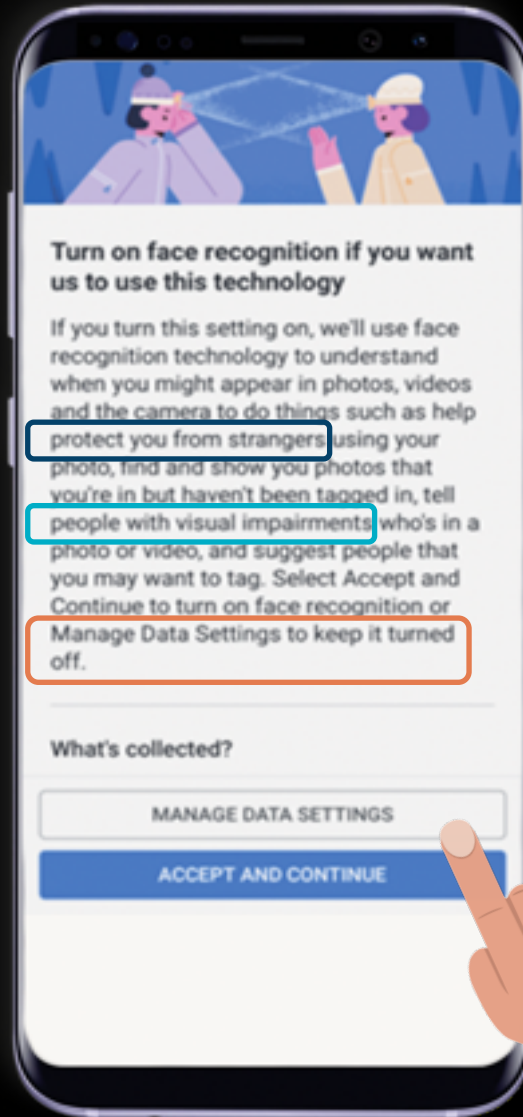
Here's what we'll ask you to review:

- How we use personal data from advertisers, app developers and publishers to show you relevant ads
- An option for turning on face recognition
- Our updated Terms, Data Policy and Cookie Policy





Godta ansiktsgjenkjenning, ellers....





facebook



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Get Started

Manipulerende klikkflyt



Skjulte grunninnstillinger

The image shows a screenshot of the Google account creation process. The page is titled "Privacy and Terms" and contains several sections. A red box highlights the "Web & App Activity" settings, which are currently set to "Save my Web & App Activity to my Google Account".

Google
Privacy and Terms

To create a Google Account, you'll need to agree to the Terms of Service below.

In addition, when you create an account, we process your information as described in our [Privacy Policy](#), including these key points:

Data that we process when you use Google

- When you set up a Google account, we store information you give us like your name, email address and telephone number.
- When you use Google's services to do things such as write a message in Gmail or comment on a YouTube video, we store the information that you create.
- When you search for a restaurant on Google Maps or watch a video on YouTube, for example, we process information about that activity – including information such as the video that you watched, device IDs, IP addresses, cookie data and location.
- We also process the kind of information described above when you use apps or sites that use our services, and we use this information to build spell-correction models that we use across all of our services.

You're in control
Depending on your account settings, some of this data may be associated with your Google Account and we treat this data as personal information. You can control how we collect and use this data now by clicking [More Options](#) below. You can always adjust your controls later or withdraw your consent for the future by visiting [My Account](#) ([myaccount.google.com](#)).

[MORE OPTIONS](#)

I agree to Google's Terms of Service

I agree to the processing of my information as described above and further explained in the Privacy Policy

[CREATE ACCOUNT](#)

[DON'T CREATE THE ACCOUNT](#)

MORE OPTIONS

Customise your Google experience by confirming your personalisation settings and the data stored with your account.

You can always learn more about these options, adjust them, and review your activity in your Google Account ([account.google.com](#)).

Web & App Activity
Saves your searches, Chrome browsing history and activity from sites and apps that use Google services. This gives you better search results, suggestions and personalisation across Google services.

Save my Web & App Activity to my Google Account

Don't save my Web & App Activity to my Google Account

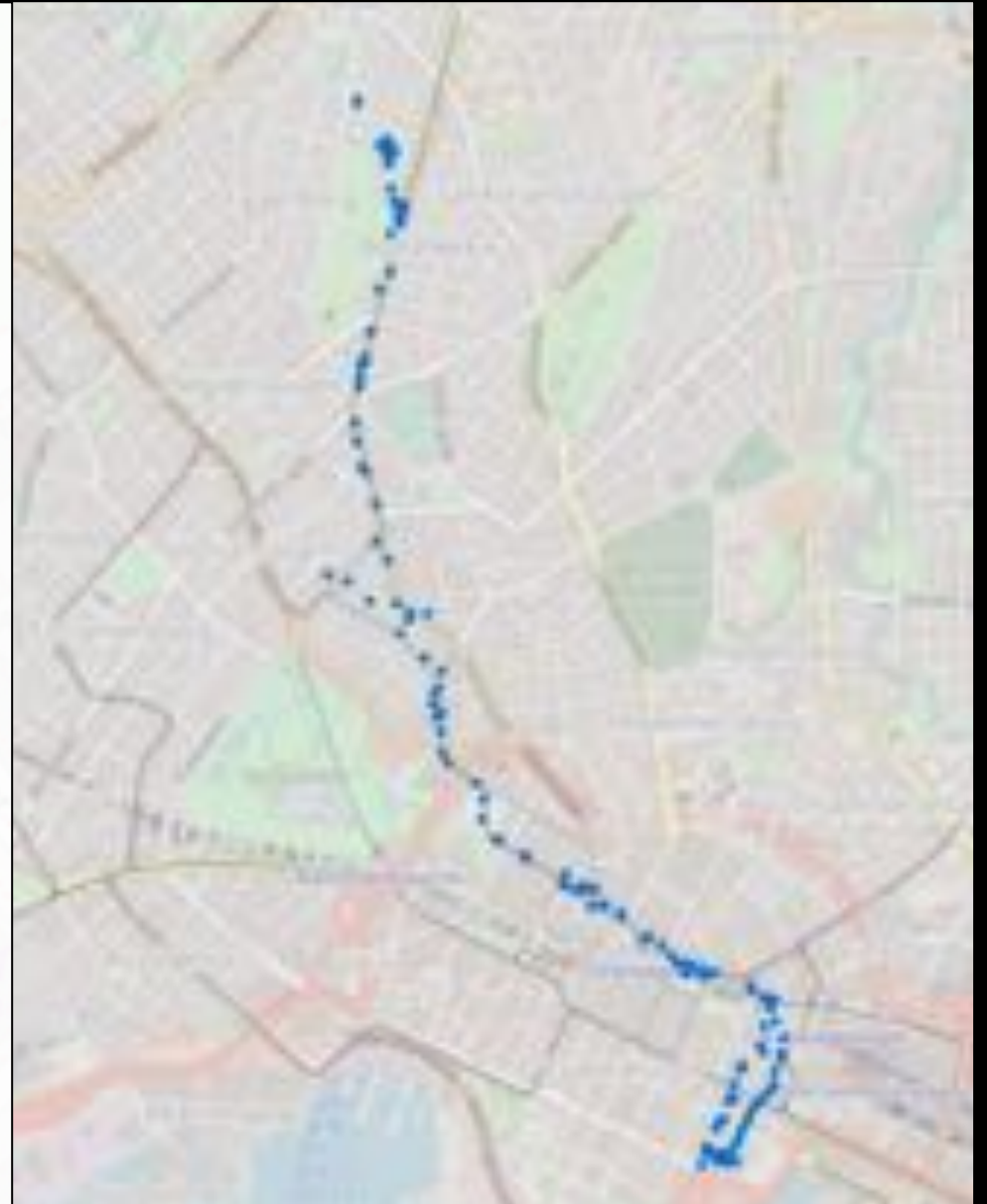
[Learn more](#)

Ads Personalisation

**150 ganger i
timen!**

6pm

6:00pm 6:03pm 6:05pm 6:08pm 6:08pm
6:10pm 6:11pm 6:13pm 6:15pm 6:18pm
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COMPLAINT TO THE DATATILSYNET UNDER ARTICLE 77(1) OF THE EUROPEAN GENERAL DATA PROTECTION REGULATION¹

A. INTRODUCTION

1. Forbrukerrådet(org.nr. 871033382), by Gro Mette Moen – *Fred Olsens gate 1, 0152 Oslo* has been instructed by [REDACTED] (“the complainant”) to file this complaint on her behalf, on the basis of Article 80(1) of the GDPR.
2. This complaint is filed against Google LLC (“Google”), Amphitheatre Parkway, Mountain View, CA 94043 USA.
3. The complainant wishes to raise concerns regarding the way Google processes her location data. The complainant owns and uses an Android smartphone on a daily basis (Huawei P20 Pro 128GB) The device is associated to her Google user account.

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Hvorfor skal vi bry oss?

- Maktubalanse (og maktesløshet)
- Manipulering
- Diskriminering
- Sikkerhet
- Nedkjølende effekter og ytringsfrihet

MY FRIEND CAYLA

GENIE TOYS, CHINA, 2014
TOM NARMANN, OVERSTY



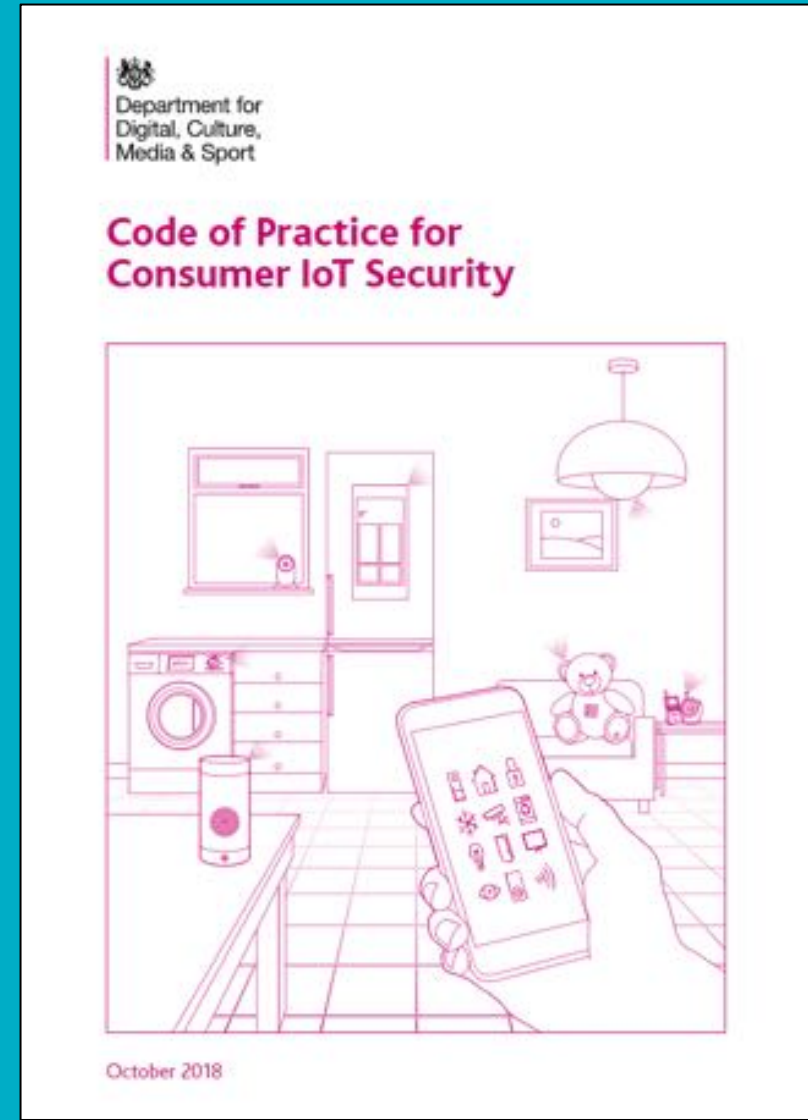


Utfordringer i dag

- Alt skal på nett
- Manglende kompetanse
- Vanskelig å ta informerte valg
- Svakt regelverk

Vi trenger...

- Bindende minstekrav
- Aktive tilsyn
- Veiledning av bransjeaktører
- Sikkerhets- og personvernkultur





Sjekk forbrukerradet.no