



NTNU

Norwegian University of
Science and Technology

Scientific Dissemination and Public Outreach

Tjerand Silde - TEMPS Seminar Fall 2022

Introduction

Associate Professor at IIK

PhD in cryptography at IMF

Researching privacy
application and post-
quantum cryptography



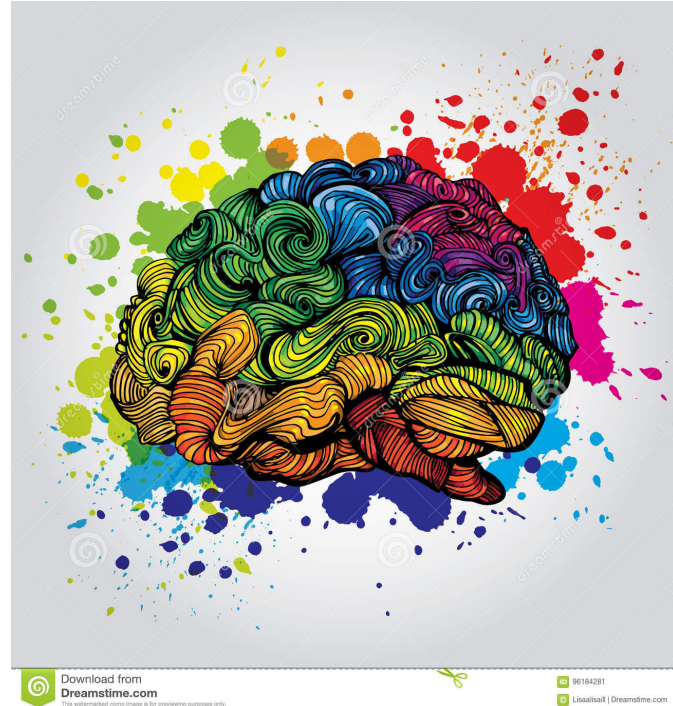
SCIENTIFIC DISSEMINATION

Content and Audience

What is the story you want to tell?

What do you want them to remember?

How do you want them to remember?



Be Prepared

Who is the audience?

What do they know?

How long time to talk?

Any technical setup?

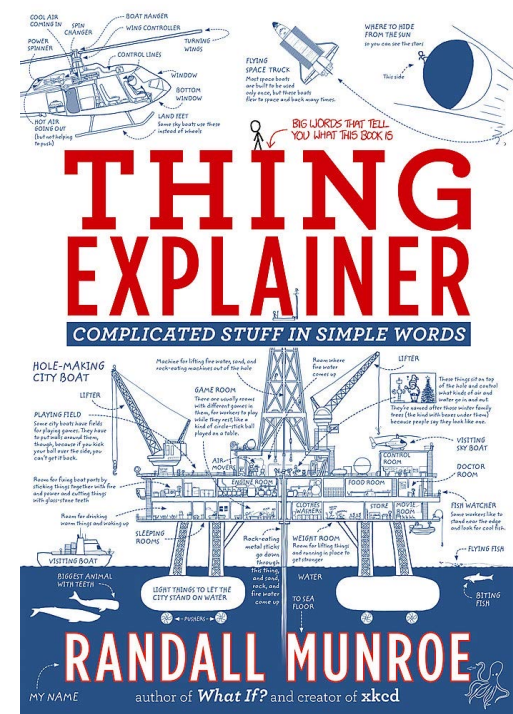


Use Simple Language

It is okay to (over-) simplify

Use good illustrations

Skip some interesting details :/



Metaphors and Analogies

It is easier to understand a new concept if we tie it to something we know of or already understand

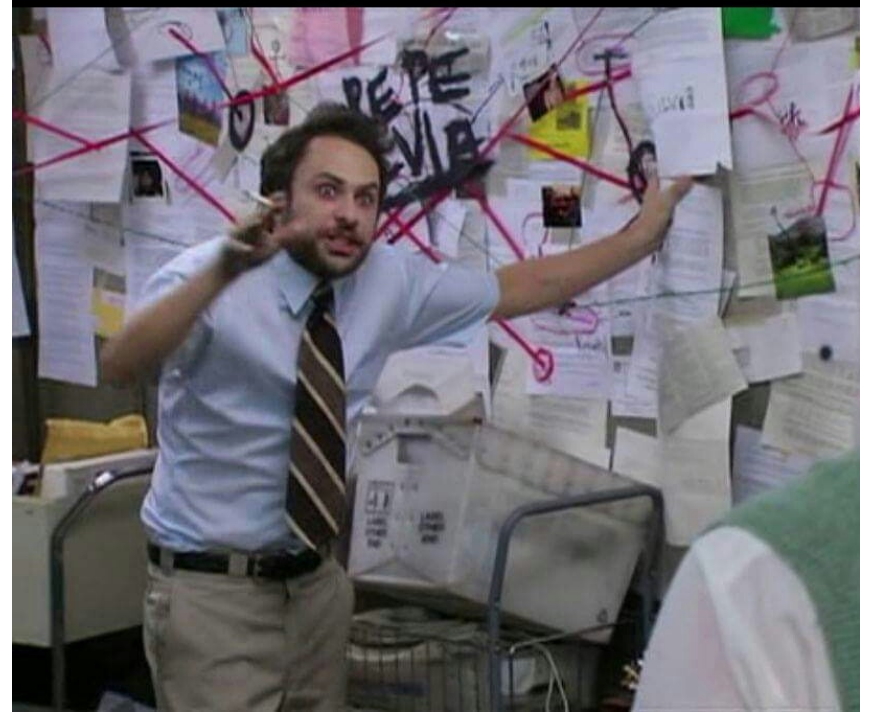


Roger Antonsen: “Math is the hidden secret to understanding the world”

Engagement and Empathy

No one will be enthusiastic about your talk if you aren't

Keep in mind that learning new things is always hard



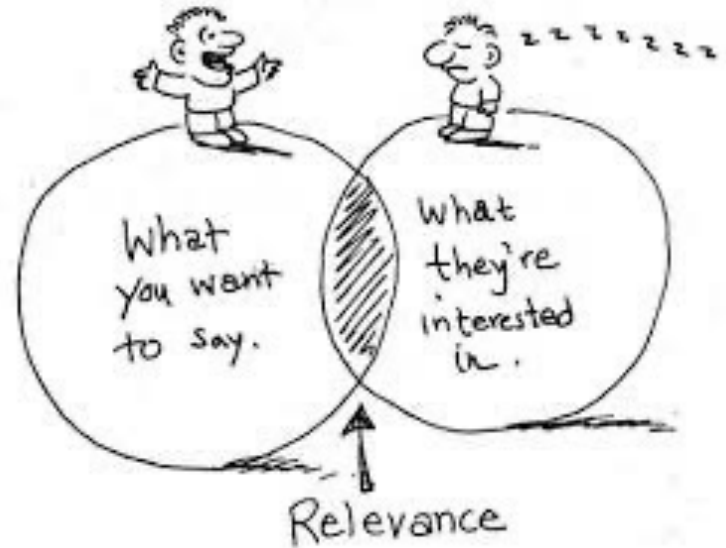
What is Relevant?

Chose your headlines carefully

Would an illustration help?

What should you say or show?

Does it provide anything extra?



Control Your Voice

Think about when to speak:

- Fast
- Slowly
- Tense
- Calmly
- Loud
- Quietly



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Presentation

Practice. And again.
Aaaand again.

Do not “read” from a
manuscript.

Remove filler words.

Smile and be happy. It
matters 😊

Be independent of the
slides and notes.

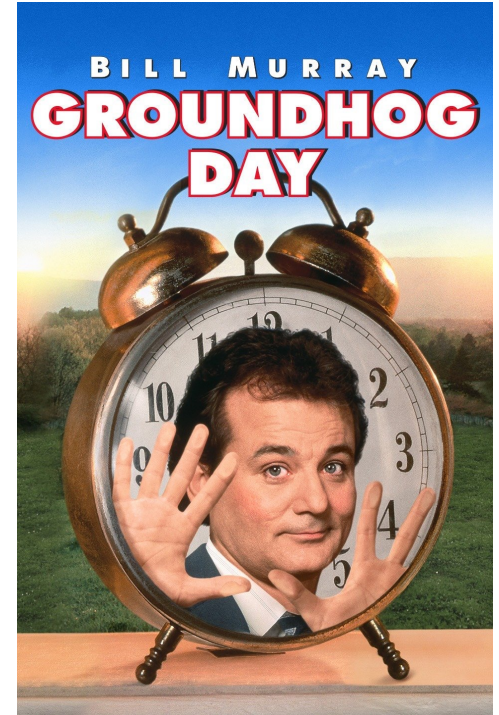
Speak clearly. Drink water.

Information Transfer

Repeat the important points

It is okay to read from the slide

Information overload is an issue



Say «Yes»

The best way to become good is to do it many times

Learn how to deal with the pressure by repeating

Being on stage opens more doors going forward



Demo



Er cyberangrep nesten ustoppelig? Passordknekking på 1-2-3

Tjerand Silde - CTRL/ALT 2022

Task:

How would you describe [topic] to [given audience]?

BREAK

PUBLIC OUTREACH

Submit Talks to Public Events

Nice way to get exposure

Get in touch with others
with similar interests

Journalists are looking
for interesting news

SIKKERHETS
FESTIVALEN

[billetter](#)



Write Blog Posts and Articles

It is a good exercise to write to an audience

It is a way for reporters to find you online

Submit to newspapers

Anonymous Tokens for Private Contact Tracing

In a chaotic, pandemic-ridden 2020, we've seen a heated debate on the need for efficient contact tracing that still respects privacy. There are many aspects to this debate — this blog post covers how one can submit data anonymously, while still providing a verifiably authentic upload token.

4 min read · By Henrik Walker Moe, Tjerand Silde, Martin Strand · December 22, 2020



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Roger Antonsen

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About

Welcome to my home page. If you are interested in what I do, have a look around. I am an associate professor of computer science at the [University of Oslo](#) in Norway and a visiting scholar at [UC Berkeley, California](#) and [ICERM at Brown University](#).

[ABOUT](#) →



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Hei. Jeg heter Andreas Wahl, og dette er min side på internettet.

Nedenfor finner du svulstige tekster om hvem jeg er og hva jeg gjør. De er skrevet i tredjeperson. For det er visst sånn man gjør det på sider som dette på internettet.

Andreas Wahl er fysiker, vitenskapsformidler og programleder. Andreas har risikert livet for vitenskapen i Med livet som innsats (NRK), forsøkt å opplyse folket gjennom *Folkeopplysningen* (NRK), skrevet fire populærvitenskapelige bøker, to læreverker i naturfag (for CappelenDamm) og vunnet norgesmesterskapet i morallisteinspyting fire ganger. I tillegg har Andreas funnet opp *Lulekula*, som lyser opp når du blåser på den, produserer *Vitenkalenderen* for tusenvis av nysgjerrige familier hvert år, og turnerer landet med sine vitenshow.



JO RØISLIEN

I am a research scientist, communicator, author. I have the hair of a Norwegian troll, drink instant coffee with milk, and think yesterday is overrated. I am a professor of medical statistics at the University of Stavanger, and have been involved in numerous research projects in medicine and health. Scientific analyses of the human body is fascinating, inspiring, and always present in my head. While other researchers tend to lecture in seminar classrooms and lecture halls, I lecture on TV. I have been in front of and behind the camera on several science TV series: for NRK, Discovery Channel and VGTV.

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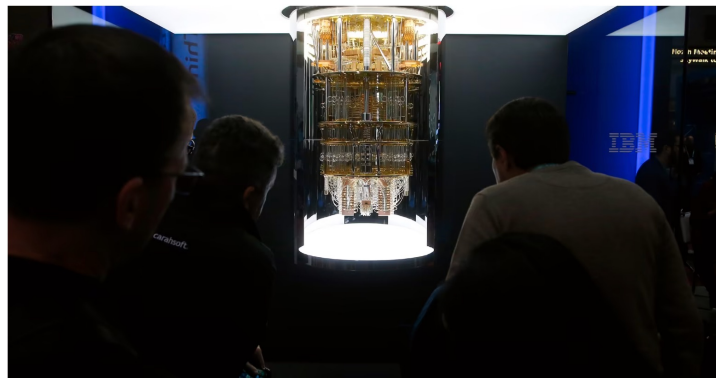
Meninger

Søk



Maskiner som denne kan drepe internett

Men redningsplanen er klar.



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Task:

What is a recent discovery in your field of research?

Task:

If I asked you to write a blog post: what topic?

Thank you! Questions?

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