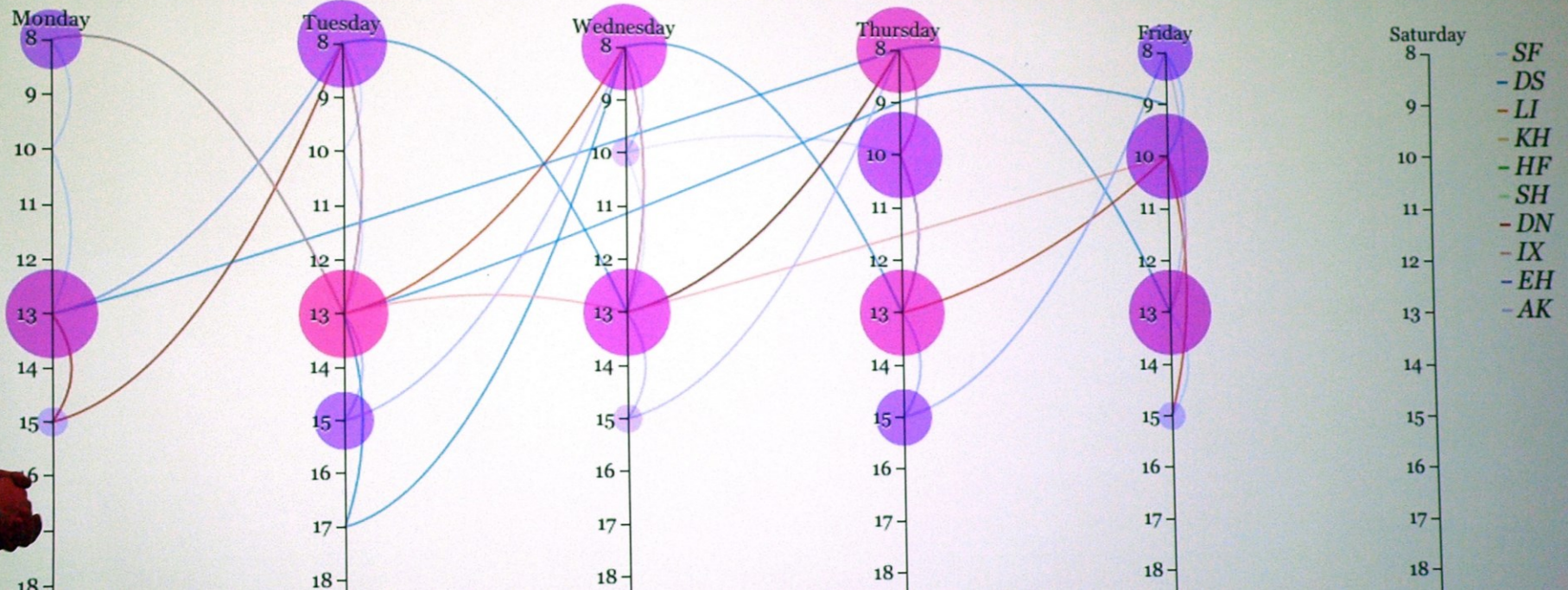


Mario Romero  
2014/01/21

# Information Visualization IVIS14 – Lecture 1



IVIS13 student Markus Felldin presenting his parallel coordinate visualization for scheduling.



# Outline

- What is IVIS14 about?
- Who am I?
- What is the Visualization Studio?
- What was Information Visualization 13 like?
- What can we do for you?
- What can you do for us?

The art of helping people paint ideas from data.

# **INFORMATION VISUALIZATION**

# IVIS14

1. Create fully-functioning information visualization systems that facilitate actionable insight through interactive data transformations, visual mappings, and view transformations.
2. Defend your design choices.
3. Constructively criticize other information visualization systems.
4. Explain and demonstrate your information visualization systems to wide audiences, from novices to experts.
5. Elicit constructive criticism from users of your information visualization systems.

# Your Grades

- Project 1 individual due: Jan 28 13:15 20%
- Project 2 individual Feb 4 15:15 20%
- Project 3 individual Feb 11 13:15 20%
- Project 4 group Mar 7 08:15 –  
Mar 23 (C-Awards) 30%
- Readings individual weekly 10%

# Project 1

- Data – IVIS14 entry survey
- Goal – create the best 3 or 4 person groups
- Method – visualize!

# Readings for Next Week

- [The Eyes Have It](#)
  - Ben Schneiderman
  
- [A knowledge \*\*task\*\*-based framework for design and evaluation of information visualizations](#)
  - Bob Amar and John Stasko

# Who Am I?





Associate Professor  
HCI Visualization Graphics

# Contact Mario

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  - Lindstedtsvägen 5 – 4417
  - VIC
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- Mobile (txt or call) 076 258 1802
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- [www.facebook.com/marioromero73](http://www.facebook.com/marioromero73)
- [twitter.com/MarioRomero73](https://twitter.com/MarioRomero73)
- [www.linkedin.com/in/marioromero](http://www.linkedin.com/in/marioromero)

# What is the Visualization Studio

# VICSTHLM

VISUALISATION INTERACTION COLLABORATION



*Knut och Alice  
Wallenbergs  
Stiftelse*

# VIC Personnel



Björn Thuresson  
VIC director  
[thure@csc.kth.se](mailto:thure@csc.kth.se)

Coordinate  
Projects  
Events



Henrik Edlund  
VIC Engineer  
[henedl@kth.se](mailto:henedl@kth.se)

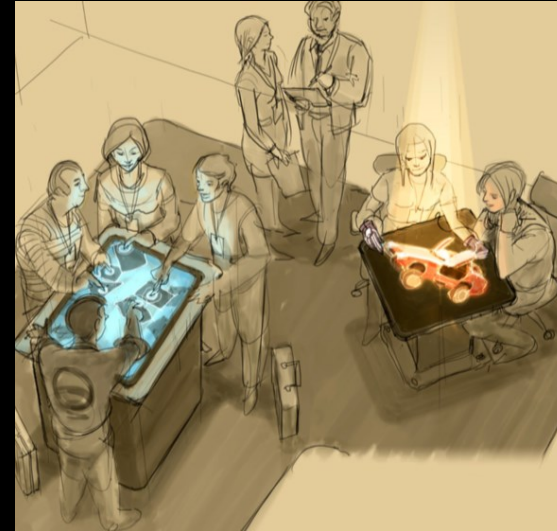
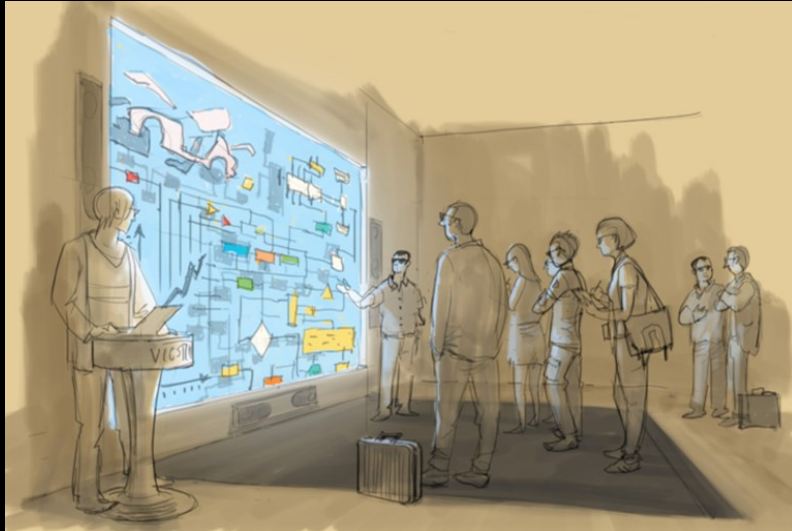
Technical Support  
Ideation  
Critical Feedback

# Visualization Studio

- Research
  - Visualization Supported Collaborative Work
  - Foundational Technology
  - User Evaluations
- Showcase and classroom environment
- Outreach



# Designing the Visualization Studio



- High-resolution projectors (4K) with stereoscopy
- Oculus Rift
- Cinema quality audio system
- High definition video communications with eye contact
- Holographic display
- Multi-touch interactive surfaces
- Eye tracking
- GPU-based computing cluster
- Diverse interaction and sensor systems (haptic, mocap, etc.)

# Installing the 4K Wall





# Break

Uniview: Please schedule a full demo with me  
if you are interested.



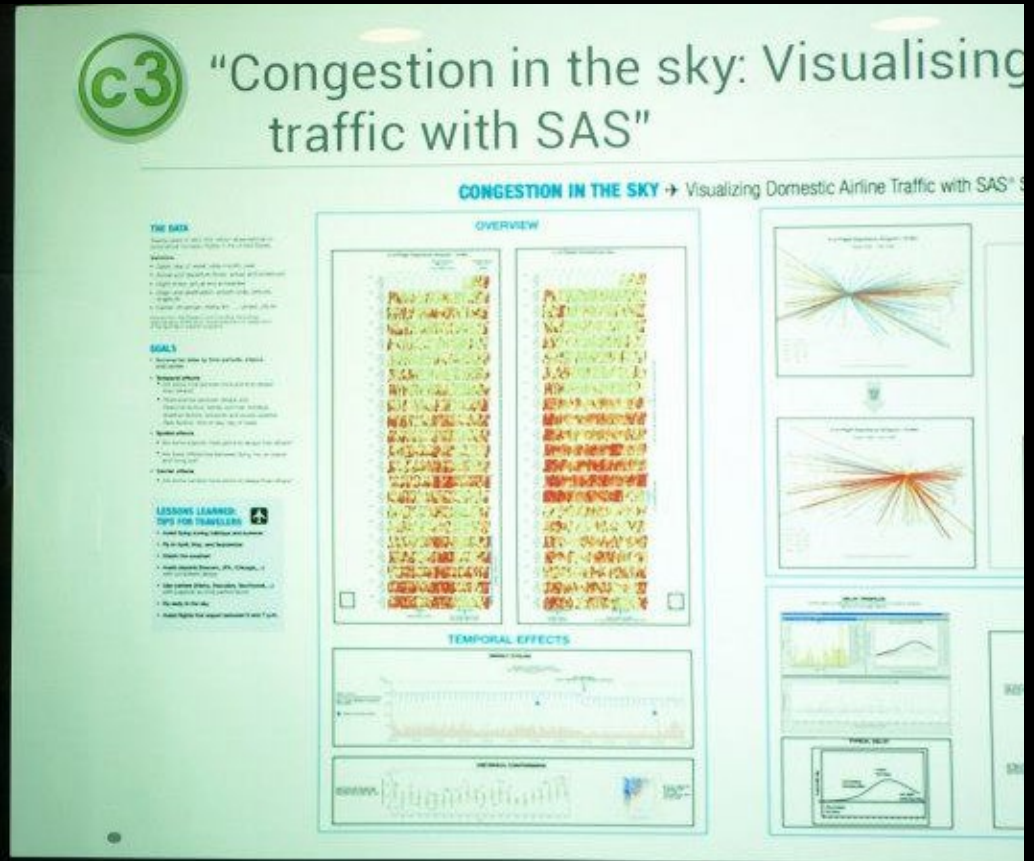
# Information Visualization 2013

# The Students



# The Select Portfolio

# C3:



# MusicTree

# Motivation

We like music

We like graphics

We like human computer interaction

We will show you a new way to experience music







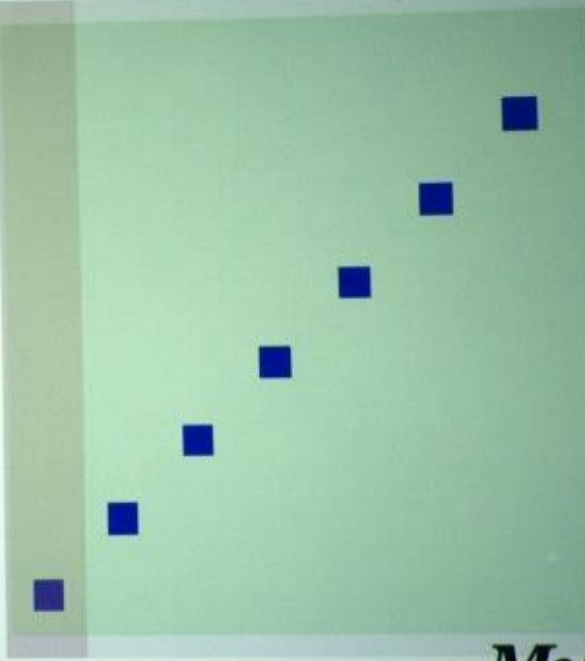
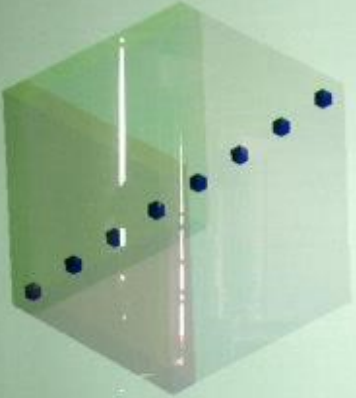
MusicCube

[musiccube.se](http://musiccube.se)



dl.dropbox.com/u/428775/Sites/SculptASketch3/index.html

Settings



*CONTROLS*  
*Rotate* W, A, S, D, Q, E  
*Draw* Mouse  
*Change slice* Scroll  
*Play / pause* Space bar  
*Randomize / clear* R / C


Mu

4 APRIL



C Awards

Like You like this.



"...BETYDDE NOG  
MYCKET ATT JAG  
VUNNIT BÄSTA  
VISUALISERING I C  
AWARDS..."



Thank you!

marior@kth.se