Conference Images and Visualization: Imaging Technology, Truth and Trust

17-21 of September, Norrköping, Sweden

Summary

As Working group leader of the Information visualization working group in NEDIMAH, it does makes sense to part of this activity. One can see this as representation visit of NEDIMAH but more importantly is that is opportunity to collect experience from other experts in the field.

The outcome of activity will also be used in another cross-working group meeting later in November.

Fredrik Palm participated in the conference organized by Linköping University at the Campus of Norrköping. Fredrik took active part of the session and networking session. Furthermore interesting examples from the session was found for further use in NEDIMAH.

By exploring emerging challenges at the interface between advanced visualisation technologies, truth and trust we want to stimulate talk, interaction and collaboration between the arts, humanities and (natural, medical, engineering, computer) sciences, in a context where both science and (visual) art are increasingly converging and, at the same time, disciplinary boundaries still separate those working across them.

The costing of the conference can be broken down into the following details (in euros):

Hotel	399
Travel	412
Meals	105
Conference fee	389
Print and carrier of poster	100
Per diem and other extra cost for travel	220
Administrative support	100
Total	1725

Programme

17:00 onwards: Registration at the ESF desk

19:00: Welcome Drink and Conference Exhibition:

Mette Høst, Niels Bohr institute, DK

Visualizations in Physics

8:45 - 9:00: Welcome Address by the Conference Chair

Visualisation and Art
9:30 - 10:30: **Martin Kemp**, Oxford Unviersity, UK
Leonardo da Vinci: Modes of Visualisation

10:30 - 11:00: Coffee break

Session 1: Morning Presentation Session: Visualisation and Art
11:00 - 11:30: Chiara Ambrosio, UCL, UK
Artistic Visualization as "Critique": Lessons from Visual History

11:30 - 12:00: Chris Robinson, University of South Carolina, US
Leonardo's Yasmin list

12:00 - 13:00: Lunch

13:00 - 14:00: **Kelly Krause**, Nature, UK
Science, Nature and Art

Session 2: The Ethics of Images and Visualisation
14:00 - 14:30: Anne Beaulieu, Royal Netherlands Academy of Arts, NL
The Ethics of Images and Visualisation

14:30 - 14:45: Max Liljefors, Lund University, SE
Scientific Imaging, Responsibility, and The Expansion of the Natural World

14:45 - 15:00: Anindita Nag, Jawaharlal Nehru University, IN
Truth, Trust and the Ethics of Visual Consumption: Photojournalism in Nineteenth Century India

15:00 - 15:30: Coffee break

15:30 - 16:00: Lars Lindberg Christensen, European Southern Observatory, DE

Quantifying the aesthetic appeal of outreach images

16:00 - 16:15: Carol Lynn Alpert, Museum of Science, Boston, US
Truth and Transparency: The Benefits and Risks of Communicating Innovative Biological Imaging Research in a Competitive International Research Environment

16:15 - 16:30: Anne Gammelgaard Jensen, Aarhus University, DK and Victoria Wibeck, Linköping University, SE
Images of climate change - a pilot study of young people's experience of ICT-based climate visualization

16:30 - 16:45: Sarah M. Schlachetzki, Zurich University of Teacher Education, CH
Science as a means for art? Art as a means for science communication? Art and the public understanding of science

16:45 - 17:00: Gunnar Höst and Gustav Bohlin, Linköping University, SE
When there are no eyewitnesses - visual rhetoric in pseudoscientific representations of molecular phenomena

17:00 - 18:00: Posters Session

19:00: Reception at Rådhuset

WEDNESDAY 19 September

9:00 - 10:00: **Maura C. Flannery**, St John's University, US
The herbarium: A link between science and art

Session 3: Aesthetics and Realism
10:00 - 10:30: Aud Sissel Hoel, NTNU, NO
Transformational Realism

10:30 - 11:00: Coffee break

11:00 - 11:20: Maria Jaoa Grade Godinho, University of Edinburgh, UK
Biological art images as tools to understand science

11:20 - 11:40: Catherine Allmel-Raffin, University of Strasbourg, FR
What do we call interpretation of images in art and science?

11:40 - 12:00: Anja Johansen, Norwegian University of Science and Technology, NO
Producing, looking at and presenting scientific images in the Wellcome Image Awards

12: 00 - 12:30: General discussion led by **Chris Toumey,** University of South Carolina, US

12:30 - 13:30: Lunch

13:30 - 14:30: **Ingeborg Reichle**, Berlin-Brandenburg Academy of Sciences and Humanities, DE

Modes of Visualization: Aesthetics and Realism in Scientific Images

Session 4: Images, Scale and Maps
14.30-15.00: **Phil Moriarty**, University of Nottingham, UK
Mapping and Manipulating the Quantum World

15:00 - 15:30: Coffee break

15:30 - 15:45: Alexei Grinbaum, CEA-Saclay, FR
Nanotechnogical Icons and the Transfer of Trust

15.45-16.00: Astrid Schwarz, Technical University Darmstadt, DE
Strolling through nanoscapes

16:00 - 16:15: Camilla Casonato, Politecnico of Milan, IT
Maps, technology and truth. From "mappa mundi" to "satellite imagery"

16:15 - 16:30: Jen Tarr, London School of Economics and Political Science, UK
Visualising Pain: Body Mapping and Embodied Experience

16:30 - 17:00: General discussion led by **Rasmus Slaattelid**, University of Oslo, Norway

**THURSDAY 20
September**

Theme of the day: Trust and Responsibility: The visual construction of science and society
9:00 - 10:00: **Annamaria Carusi**, University of Copenhagen, DK

Session 5: Visualisations, Publics and Policy
10:00 - 10:30: **Liv Hausken**, University of Oslo, NO
The Persuasive Power of Brain Imaging

10:30 - 11:00: Coffee break

11:00 - 11:15: Laura Cabrera University of Basel, CH
Trust and Responsibility: the case of neuroimaging

11:15 - 11:30: Rita Elmkvist Nilsen, Norwegian University of Science and Technology , NO
The agency of brain mapping

11:30 - 11:45: Sky Gross, Tel Aviv University, IL
Making Death Visible, Making Death Knowable: Trust and Truth in the Israeli Debate over Brain-Death

11:45 - 12:00: Marc Henry, Université de Lorraine, FR
Aesthetics of data visualization

12:00 - 13:00: General discussion led by **Sarah de Rijcke**, Leiden University, NL

13:00 - 14:00: Lunch

Session 6: Afternoon Panel Discussion: Visualisation as Practice
14:00-14:15: Vincent Irael-Jost, Université de Lorraine, FR
Scientific images in the light of contemporary scientific practices

14:15 - 14:30: Manuela Perrotta, Norwegian University of Science and Technology, NO
Tell the true story: developing skilled visions in the biomedical research

14:30 - 14:45: Gitte Lindvang Samsøe, Aalborg University, DK
Does technology of medical imaging co-shape ethical dilemmas?

14:45 - 15:00: Thomas Turnbull, Oxford University UK
Feng shui cows: using Google Earth to explore the visualisation regress

15:30 - 16:00: Coffee break

16:00 - 16:20: Dolores and David Steinman, University of Toronto, CA
Truth and Consequences of Integrating Computer Simulations and Medical Imaging

16:20 - 16:40: Fionagh Thomsom, Newcastle University UK
Virtual Bodies and the Diagnostic Gaze: the predominance of the visual in the diagnostic process within telemedicine Design

16:40 - 17:00: Kathrin Friedrich, Academy of Media Arts Cologne DE
'Against the blaze of colour'– Greyscale in Medical Imaging

Session 7: Plenary Discussion on Future Directions in Visualisations Research
17:00 - 17:30: Panellists and Discussion: **Martin Döring**, Hamburg University, DE, **Emma Frow**, University of Edinburgh, UK and **Andrew Balmer**, University of Manchester, UK

17:30 - 18:30: Forward Look Plenary Discussion
Chair - **Brigitte Nerlich**, University of Nottingham, UK

19:00: Conference Dinner

FRIDAY 21 September

Breakfast and departure

CV of Fredrik Palm

Fredrik is Research and development coordinator at HUMlab. Fredrik Palm has an Informatics degree and a teaching degree. He was the assistant project manager of the FP 6 project QVIZ qviz.eu, where he coordinated technical development. Currently he is the development coordinator in the BIOMAP, SHiPS and the SEAD-project and Digital publication of Rock-Carvings. Through these projects the result from FP6-IST QVIZ is further used and developed in more domains in the digital humanities. Mr Palm is also leader of a working group 2 "Visualisation" in Network for Digital Methods in the Arts and Humanities - NeDiMAH.

Publications:

Buckland P, Eriksson E, Linderholm J, Viklund K, Engelmark R, Palm F, et al. Integrating human dimensions of arctic palaeoenvironmental science : SEAD - the strategic environmental archaeology database. Journal of Archaeological Science. 2011;38(2):345-351.

Edlund L, Palm F. Diabas – nordisk ordgeografisk databas. 2012.

Lindgren S, Palm F. Textometrica : Service Package for Text Analysis. Umeå: HUMlab; 2011.

Palm F. Crossing the Archival Borders. In: IST-Africa 2008 Conference Proceedings. Ireland: IIMC International Information Management Corporation, 2008; 2008.

Palm F. Abstracting Query Building for Multi-entity Faceted Browsing. In: FQAS '09 Proceedings of the 8th International Conference on Flexible Query Answering System. Berlin: Springer-Verlag Berlin; 2009. p. 53-63. LNAI: Lecture Notes In Artificial Intelligence.

List of speakers

http://www.esf.org/index.php?eID=tx_nawsecuredl&u=0&file=fileadmin/be_user/activities/research_conferences/Docs_NEW/2012/12-385_short_talks.pdf&t=1343901388&hash=78340c6ba451f28d29f7e215ec1f652f7eb2e34b

List of accepted poster:

http://www.esf.org/index.php?eID=tx_nawsecuredl&u=0&file=fileadmin/be_user/activities/research_conferences/Docs_NEW/2012/12-385_poster_list_01.pdf&t=1343901708&hash=7a8ceb606966d98ab08b10684c4d5d9919f11753

Where Fredrik Palm will present the poster by Bostenaru Dan Maria Realism: Disaster Photography as Mean of Art or of Science,