CSC Workplace meeting (APT) becomes CSC Information meeting

- School info meetings 4 times per year from 2015
- Workplace meeting is to be held at each department
- Workplace meetings should involve dialogues on work related matters
- Dean will visit workplace meetings at each department during spring for discussion
- Frequently visit the intranet for more work related information
- Numero -> Numera
Staff information

Parental leave:
Danica Kragic will partly be on parental leave (1/1-30/6, 2015).

Rektor has decided to appoint Anders Askenfelt as Vice dean for this period.

Delegation for the head and deputies of the CSC school departments

From the 1st of January 2015 to 31 of December 2016:

<table>
<thead>
<tr>
<th>Head of department</th>
<th>Deputy</th>
<th>Apartment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mads Dam</td>
<td>Sonja Buchegger</td>
<td>TCS</td>
</tr>
<tr>
<td>Joakim Gustafsson</td>
<td>Jonas Beskow</td>
<td>TMH</td>
</tr>
<tr>
<td>Hedvig Kjellström</td>
<td>Patric Jensfelt</td>
<td>CVAP</td>
</tr>
<tr>
<td>Ann Lantz</td>
<td>Henrik Artman</td>
<td>MID</td>
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</table>

From the 1st of January, at the longest the 30th of June 2015:

<table>
<thead>
<tr>
<th>Head of department</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Örjan Ekeberg</td>
<td>Erik Fransén</td>
<td>CB</td>
</tr>
<tr>
<td>Erwin Laure</td>
<td>Johan Hoffman</td>
<td>HPCViz</td>
</tr>
</tbody>
</table>
Possible merge of HPCViz and CB

Dean has decided to appoint a group with the assignment to investigate the opportunities and risks with the likely merge of HPCViz and CB

Group consists of: Johan Hoffman (chair), Tino Weinkauf, Erwin Laure, Örjan Ekeberg and Lars Arvestad

Report to be delivered March 31, at the latest

New employees

Welcome!!!
New Staff

CB
Raja Hashim Ali, Ph.D Student
Ylva Jansson, Research Engineer
Ramon Heberto Martinez Mayorquin, Ph.D Student

CVAP
Anastasia Varava, Ph.D Student
Ramviyas Nattanmai Parasuraman, Postdoctor

TCS
Thatchapol Saranurak, Ph.D Student
Daniel Rosqvist, Ph.D Student

MID
Ilias Bergström, Researcher
Eva Sjuve, Lecturer
Roland Heickerö, Adjunct professor

New Adjunct professor - Roland Heickerö

KTH - Mechanical engineering MSc: (1992)
Telia Mobile R&D: 3G/4G (1997-2000)
FHS - Associate Professor: Cyber warfare (2012 -)
Knowit Secure: Information security (2013 -)
KTH CSC - Adjunct Professor: Information security (2014 -)
Aim of research

Focus area:
- Autonomous systems, unmanned vehicles, intelligent networks, robots and AI

Information security studies:
- Analyses of risks, vulnerabilities and its effects in autonomous systems from malware, manipulation and corruption of information to cyber attacks
- How the development of autonomous systems affect decision making process – man-machine interaction
- Development of theories and methods in accordance to best practices for requirements definition, design and implementation of secure systems and solutions in autonomous systems
- Development of cost/benefit models for the calculation of IT and Information security

Looking for a new job?

- Associate professor in Computer science w. specialization in Music communication at TMH (DL January 16, 2015)
- Assistant professor in Computer science, specialized in Computer security at TCS (Advert soon to be published)
- Postdoc in Computational complexity and/or SAT solutions at TCS (DL January 25, 2015)
- PhD in real time simulation and perception at HPCViz (DL January 23, 2015)
- PhD in Media technology and graphical production at MID (DL January 11, 2015)
- PhD in Robotics and autonomous systems at CVAP (DL January 30, 2015)
Rector contract negotiation 2014

Jan Gulliksen

Rector contract covering 2015 was signed this week

- Increased base funding + 2Mkr/year
- Turning steered funding into base funding + 2Mkr/year
- Female postdoc opportunities 1.3 M x 3 years
- Associate professor in Software engineering 800k x 3 years
- Assistant professor in Media technology, spec. eLearning 600k x 4 years
- Assistant professor in Speech communication 600k x 4 years
- Increased support for Viz studio 500k x 4 years
<table>
<thead>
<tr>
<th></th>
<th>Utfall 2013</th>
<th>Prognos 2014</th>
<th>Beräknad ersättning 2015</th>
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<tr>
<td><strong>Fakultetsstöd till utbildning på grundnivå och avancerad nivå</strong></td>
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<tr>
<td>Basmedel</td>
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<tr>
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<td>4 456</td>
<td>18 627</td>
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<td>varav utvecklingsmedel m.m.</td>
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<td>39 097</td>
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<td>varav kursprestationer (tä 13/14/incl. betafrakt)</td>
<td>30 664</td>
<td>37 837</td>
<td>39 097</td>
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<td>10 689</td>
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<td>88 769</td>
<td>95 032</td>
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<th>Beräknad ersättning 2015</th>
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<td>95 873</td>
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|                           |            |              |                          |
| Ubtetalas från januari 2014 |            |              |                          |
| Ubtetalas efter att resp. tjänst tillsatts, VU 2015 |            |              | 2 000                    |
| Ubtetalas efter att resp. tjänst tillsatts, VU 2014 |            |              | 2 350                    |
Focus on impact


Following up bibliometry

"För att uppfylla målsättningarna i Vision 2027 och i utvecklingsplanen och till följd härav stärka KTH i rankingar och i bibliometriska utvärderingar kommer en årlig bibliometrisk uppföljning att introduceras 2015 och presenteras på årlig basis i oktober."
### CSC Tidssprintsindikator Rektorskontrakt 2015

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<tr>
<th>ID</th>
<th>Beskrivning</th>
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<th>Procent</th>
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<td>0.009</td>
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</table>

### GRU

Olov Engwall
New bitr. Grundutbildningsansvarig from HT15

Time for Olle Bälter to step down after numerous years as GA and bitr GA.

New policy: CSC positions (e.g. GA, PA, Director of Studies) will be announced openly for nominations and candidatures

Nominate or signal interest by 2015-01-31

A nomination committee will then take over

See add in Numero for details.

Ask Olle or Olov if you are curious about the position.
Course web to be used from VT15

CSC course information is currently given on the course web (KTH Social), csc/utbildning/.../kurser, Bilda

- Students find this very confusing
- Course information is hidden for prospective students (Bilda, parts of the Course web)

Therefore:
- Course web for all current information.
- General information should be open (course round specific info may be closed)
- Starting with period 3 courses
- A gateway page is introduced

MSc thesis news

3 new courses from VT2015: DA224X-DA226X MSc thesis in Computer science and communication

- A-F: new (simpler, fewer) grading criteria now ready
- will be P/F from HT2015
- Self-assessment form, supervisor and examiner forms
- Group supervision also in computer science
- Fixed starting times:
  - 19-23 January, 23-27 March, 7-11 September, 2-6 November
- Fixed presentation slots:
  - 10-12 February, 9-11 June, 29 September – 2 October, 9-11 February 2016

Examiner/supervisor course: A shorter, more focused and condensed version will be given at CSC during the spring.
Salary review 2014

Last Friday, the negotiations at KTH were signed.

In January, we all will have more detailed information.

This we know:
- We have done almost all individual discussions at our school (purpose was to evaluate last year’s performance).
- Members in Saco will have individual salary discussions with their managers. This will start earliest in the end of January.
- Members in ST will have the same process as earlier. Central parts will start to negotiate their salaries earliest in February.
- Payment earliest in March/April...
- New salaries valid from 1 October 2014.

Questions?
Environmental training

In order for KTH to be Environmental certified according to standard ISO14001, all school needs to be able to show that their employees have a basic knowledge of the environmental work at KTH.

Training in two parts:

- **Environmental work at KTH** - time of study: max. 20 minutes.
- **Environment and Sustainable Development** - time of study: max. 30 minutes

Reminder – If you have not done the training, do it today!

Deadline was 15 December... New deadline 31 December 2014.

...some more info

- Information - During January and February, we will collect information from those who have secondary occupations, sideline activities. An email has been sent to all employees at the school. [https://intra.csc.kth.se/en/anstalld/bisysslor-1.394991](https://intra.csc.kth.se/en/anstalld/bisysslor-1.394991)

- Reminder - Submit receipts to KTH for me regarding health care contributions. You must register receipts for 2014 before January 31, 2015.
Soon it´s Christmas and before you go on vacations, please don’t forget to:

- Empty the refrigerator
- Empty your wastebasket in your office
- Blow out the candles
- Secure your laptop
- Don’t let people you don’t know in to our offices

At last, don’t forget to pick up your Christmas present in the reception at Lv3, 4th floor.

Service Center wish you all a merry Christmas and Happy New Year.

http://intra.csc.kth.se/en/servicecenter
## ROADMAP CSC IT-SAMORDNING

Från oktober 2014 – april 2016

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<th>Dec</th>
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VR Project

Tony Lindeberg

Scale-Space Theory for Invariant and Covariant Visual Receptive Fields


Main topic: Develop theory and algorithms for performing image measurements under variabilities of natural image transformations, specifically to obtain (partial) invariance under illumination variations and handling time-dependent image data (video) by time-causal and time-recursive image operations suitable for real-time processing.

Builds upon and extends previous theoretical framework reported in:
Lindeberg (2013) "Invariance of visual operations at the level of receptive fields", PLOS ONE, 8(7): e66990.
PDC’s Mission and Ambition

PDC’s mission is to provide leading edge, world-class HPC services to Swedish academia and industry.

PDC’s ambition is to facilitate scientific endeavors by providing leading edge expertise and hardware resources embedded in a rich international network.
PDC Offers...

- Postgraduate degree projects
- Visualization
- Data storage facilities
- Research collaboration with academia and industry
- Access to international HPC facilities
- Support to help use PDC services
- Expertise in HPC software enhancement
- Training
- PDC

PDC for Academic User – Free of Charge

- Access to PDC computing and data storage facilities via the Swedish National Infrastructure for Computing (SNIC)
- Advanced and introductory user training including workshops, seminars and courses
- User support
- Application expert help
- Access to European computing facilities via PRACE Infrastructure calls
- Access to application experts at other European centers for help with scientific applications via PRACE Infrastructure calls
PDC for Industrial Users

- PDC Services are also open to Industrial Users via Collaborative Projects
- Remuneration on a self-cost basis as part of the project
- Access to application experts at other European centers for help with scientific applications via PRACE Infrastructure calls

PDC’s Key Assets: HPC Application Experts

PDC application experts hold PhD degrees in different scientific fields and are experts in HPC. Together with researchers, they optimize, scale and enhance scientific codes for the next generation supercomputers.

Jonathan Vincent - PhD in Computational Physics
Henric Zazzi - PhD in Molecular Biology/Genetics
Rossen Apostolov - PhD in Computational Chemistry
Michael Djurfeldt - PhD in Computational Neuroscience
Radovan Bast - PhD in Computational Chemistry
Jing Gong - PhD in Scientific Computing
PDC’s New Flagship: Beskow

- Cray XC40
- 53,632 cores, 1.973 PF theoretical peak, 1.397 Linpack performance; Number 32 on the Top500 list
- First Swedish Petaflop system (6xLindgren)
- Largest System in the Nordic countries
- Arrival October 22, 2014
- Production January 1st, 2015
Other HPC Resources

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<th>System</th>
<th>Cores</th>
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<td>Ferlin AMD Opteron 2.2 GHz</td>
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<td>Povel AMD Opteron 2.1 GHz</td>
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</tr>
<tr>
<td>Ellen SMP 1TB memory Intel Xeon 2.31 GHz</td>
<td>32</td>
<td>0.3 TF</td>
</tr>
<tr>
<td>Zorn AMD Opteron 2.2 GHz / NVIDIA M2090, K20, GTX480</td>
<td>24 CPU &amp; 40 GPU processors</td>
<td>48 TF (SP) 23 TF (DP)</td>
</tr>
</tbody>
</table>

Ferlin, Povel, Ellen, and Zorn will be replaced in 2015

PDC Key Assets: First-Line Support and Systems Staff

First-line support
- Helps you have a smooth start to using PDC’s resources and provides assistance if you need help while using our facilities

System staff: System managers and system administrators
- Ensure that PDC’s HPC and storage facilities run smoothly and securely

PDC cloud
www.pdc.kth.se/resources/computers/pdc-cloud

SNIC cloud
www.pdc.kth.se/resources/computers/snicloud
PDC’s Key Assets: 
Broad Range of Training

- PDC Summer School every year: Introduction to HPC
- Specific courses: Programming with GPGPU, Recent Advances in Distributed and Parallel Computing, Software Development Tools, Recent Advances in Cloud Computing, and many many more....
- PDC user days, PDC Open House and Pub Afternoon

PDC’s Key Assets: 
Access to EU Facilities and Experts

PDC is an active partner in many international and national projects.
PDC and Industry

PDC is working with industrial researchers and developers on major international projects that push high-performance computing to the next level. PDC recently established a business development unit that provides consultancy and HPC services to industries.

PDC and VIC: Visualize data

The visualization studio is a resource for students and researchers. It houses many different technologies to view and interact with large amounts of data and its different applications, including haptics, eye-tracking, and various stereoscopic technologies.
PDC Structure

PDC Board

PDC director

Administration
Business Liaison
Researchers/Project Managers

Systems Group
First-Line Support Application Experts

PDC Financing

EU
SNIC
KTH

PDC
Contact PDC

support@pdc.kth.se

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Fax: +46 8 247 784

Merry X-mas and a happy new year

![Merry Christmas Image]