New Academy Research Fellows and Postdoctoral Researchers

Parinya Chalermsook (CS), Zhirong Yang (CS), and Zheng Yan (ComNet) received Academy Research Fellow funding and Omer Anjum (CS), Jussi Jokinen (ComNet), Taneli Riihonen (SPA) and Arno Solin (CS) received Postdoctoral Researcher funding from the Academy of Finland.

Congratulations!

Tenure-track site visits in cryptology

The candidates for the tenure track position in cryptology (a joint position between the Department of Computer Science and the Department of Mathematics and Systems Analysis), will visit Aalto University in May. Teaching demonstrations (20 min + 10 min discussion) and job talks (30 min + 15 min discussion) given by the candidates are public events and no pre-registration is required. You are warmly welcome!

The teaching demonstration topic is “Meet-in-the-middle attack” and the fictitious target group consists of students of the “First course in cryptology”.

Fri 12.5.2017 - Céline Blondeau
9:00-9:30 (M1, Otakaari 1), Teaching demonstration
14:00-14:45 (T2, CS building), Job talk: “Statistical attacks on symmetric cryptographic primitives”

Tue 23.5.2017 - Vincent Grosso
9:00-9:30 (M1, Otakaari 1), Teaching demonstration
13:30-14:15 (T2, CS building), Job talk: title informed later

Wed 24.5.2017 - Arnab Roy
9:00-9:30 (M1, Otakaari 1), Teaching demonstration
13:30-14:15 (T5, CS building), Job talk: title informed later

Mon 29.5.2017 - Nico Döttling
9:00-9:30 (M1, Otakaari 1), Teaching demonstration
13:30-14:15 (T2, CS building), Job talk: title informed later

Tue 30.5.2017 - Chris Brzuska
9:00-9:30 (M1, Otakaari 1), Teaching demonstration
13:30-14:15 (T5, CS building), Job talk: title informed later

Events

Lectures and seminars

Machine Learning Coffee Seminar: Juho Kannala (Aalto University)

Professor Juho Kannala gives a talk "Machine Learning for Image-Based Localization" in the weekly Machine Learning Coffee Seminar.
Date: 15.5.2017
Time: 9:15-10:00 (porridge and coffee served at 9:00)
Venue: T5, CS building

Bit Bang 9 Final Seminar

Welcome to the Bit Bang seminar on entrepreneurship! Registration and more information from the event page.
Date: 17.5.2017
Time: 11:30-14:00 (pizza served 11:30)
Venue: Saha, Konemiehentie 1

Helsinki Algorithms Seminar: Mario Di Francesco (Aalto University)

Mario Di Francesco gives a talk “Perfectly Periodic Scheduling of Collective Data Streams” in the weekly meeting Helsinki Algorithms Seminar.
Date: 18.5.2017
Time: 16:00-17:00
Venue: Learning Centre 126 Juho, Otaniementie 9
Professor Vijay V. Raghavan (University of Louisiana at Lafayette) will give a HIIT Guest Lecture with the title "A Framework for Real-Time Event Detection for Emergency Situations using Social Media Streams".

Date: 26.5.2017
Time: 10:15-11:00 (coffee at 10:00)
Venue: Exactum D123, Kumpula

Secure Systems Demo Day

If you want to have a one-stop overview of Information Security research going on in Finland's capital area, then do plan to stop by! See the draft program and registration at Secure Systems Demo Day wiki page.

Date: 20.6.2017
Time: 13:00-17:00
Venue: CS building

New key system to CS building

The physical locks at CS building are upgraded to the new electronic Abloy CLIQ system starting on May 2nd, 2017. When the lock of your room is upgraded, you'll need to fetch a new key from CS building reception. Personnel rooms will be upgraded first, then public spaces, and the whole process is estimated to take about two weeks. You will need the old keys during the process, after which you should return them to the CS building reception.

More information and updates on the schedule at CS wiki.

Visitor Funding

AScI Visiting Researcher programme relaunched

The AScI Visiting Researcher programme was on hold since 2015 but has now been relaunched as of April 2017. The programme supports collaborative international research visits of minimum one to maximum four weeks with the research groups of the School of Science. The visiting researcher’s allowance can be used towards the visitor’s travel costs and accommodation expenses. Academic career levels from postdoctoral fellows and above are supported. Read more from Aalto Inside and AScI website.

Trainings

TUTL funding info session

New Business from Research Ideas (TUTL – Tutkimuksesta liiketoimintaa) is a commercialization funding for research projects which are market-oriented. The internal DL for the applications at Aalto is 4.6. More info from Inside and the Innovation Advisors of each school. Please register by 17.5. using eAge link.

Date: 22.5.2017
Time: 10:00-12:00
Venue: Aalto Start-Up Center, Maarintie 6, 4th floor

ERC Advanced Grant training

Aalto Research and Innovation Services will provide a training for ERC Advanced Grants to support applicants in preparing successful proposals. The next call DL 31.8.2017. Registration: via eAge, DL 15.5.2017. For more info see Aalto Inside.

Date: 30.5.2017
Time: 09:30-15:30
Venue: H304 Hallituksen istuntosali (Otakaari 1)

Marie Skodowska-Curie Individual Fellowships

Marie Skodowska-Curie Individual Fellowships are aimed for experienced researchers who would like to move within Europe and beyond to carry out research, as well as to attract best and most promising researchers worldwide to Europe. The next call DL will be on September 14, 2017, and the funding is applied with the host organization. Registration: via eAge, DL 24.5.2017. For more info see Aalto Inside.

Date: 31.5.2017
Time: 09:00-12:45
Venue: U358 (Otakaari 1)

Writing the compiling part of an article dissertation

The lecture provides doctoral candidates with an understanding of writing an article dissertation effectively once the related articles have been written. Please sign up by 15 May! For more info see Aalto Inside.
If you are passionate about digital innovation, you might be interested to participate in one of the 10 European campus-based two-week EIT Digital Summer Schools. May 15 is the deadline. More information from [Into](#).

**PhD defences**

Orestis Kostakis, M.Sc. (Tech.), will defend the dissertation "Advances in Analysing Temporal Data" on 26 May 2017 at 12 noon in Aalto University School of Science, lecture hall T2, Konemiehentie 2, Espoo. Opponent: Professor Joao Gama, University of Porto, Portugal. Custos: Professor Aristides Gionis, Aalto University School of Science, Department of Computer Science. [More information](#).

Jiang Dong, M.Sc., will defend the dissertation "Unleashing the Power of the Crowd: Towards Efficient and Sustainable Mobile Crowdsensing" on 9 June 2017 at 12 noon in Aalto University School of Science, lecture hall T2, Konemiehentie 2, Espoo. Opponent: Professor Dah Ming Chiu, The Chinese University of Hong Kong. Custos: Professor Antti Ylä-Jääski, Aalto University School of Science, Department of Computer Science. [More information](#).

Jouni Tuominen, M.Sc., will defend the dissertation "Ontology Services for Knowledge Organization Systems" on 16 June 2017 at 12 noon in Aalto University School of Science, lecture hall TU1, Maarintie 8, Espoo. Opponent: Professor Marcia Lei Zeng, Kent State University, USA. Custos: Professor Eero Hyvönen, Aalto University School of Science, Department of Computer Science. [More information](#).

Sandeep Tamrakar, M.Sc. (Tech.), will defend the dissertation "Applications of Trusted Execution Environments (TEEs)" on 19 June 2017 at 12 noon in Aalto University School of Science, lecture hall AS1, Maarintie 8, Espoo. Opponent: Professor Ville Leppänen, University of Turku. Custos: Professor N. Asokan, Aalto University School of Science, Department of Computer Science. [More information](#).

**Licentiate thesis presentation**


**MSc thesis presentations**

**MSc thesis presentations 16.5. in room A106, CS building**

14:00-14:30 Ilkka Eloavaino  "Lean Startup -menetelmien soveltaminen valmiun palvelun jatkokehityksessä" Supervisor: Prof. Casper Lassenius

14:30-15:00 Eetu Latja  "Parallel Acceleration of H.265 Video Processing" Supervisor: Senior University Lecturer Vesa Hirvisalo

15:00-15:30 Julius Eerola  "A generic, dynamic and GUI-configurable unit model for hydrometallurgical applications" Supervisor: Assistant Prof. Jukka Suomela

15:30-16:00 Antti Ahonen  "Unit and Integration Testing of Java: JVM Behavior-Driven Development testing frameworks vs. JUnit" Supervisor: Prof. Casper Lassenius

16:00-16:30 Lauri Hartikka  "Automatic test case generation for REST API's" Supervisor: Prof. Casper Lassenius

16:30-17:00 Pekka Aaltonen  "Applying lean software development: A case study" Supervisor: Prof. Casper Lassenius

**MSc thesis presentations 18.5. in room A211, CS building**

14:00-14:30 Vidhuran Harichandra Babu  "Security analysis of M2M network traffic using Stream processing" Supervisor: Prof. Keijo Heljanko

14:30-15:00 Ari Oinonen  "Architectural design of a data warehousing system: case Lääketietokeskus" Supervisor: Prof. Keijo Heljanko

**MSc thesis presentations 23.5. in room A346, CS building**

14:00-14:30 Oscar Smedjebacka  "Optimizing Constrained Route Planning for Human Logistics" Supervisor: Jorma Tarhio

14:30-15:00 Arto Sänkiaho  "Analysis and design of parallel processing compatible DTLS modules for heterogeneous platforms" Supervisor: Senior University Lecturer Vesa Hirvisalo

15:00-15:30 Ville Skyttä  "Lightweight Machine to Machine Protocol as Part of Multiprotocol Device Management System" Supervisor: Prof. Petri Vuorimaa

15:30-16:00 Vivek Balakrishnan  "Mobile Html5 Performance" Supervisor: Adjunct Prof. Jukka Nurminen

16:30-17:00 Emil Virkki  "Patient Experience of a Cancer Treatment Communication Platform" Supervisor: Prof. Marko Nieminen

**In the media**

Professor Eero Hyvönen is Norssi of the year. The school Helsingin Normaalilyseo, Norssi, was founded in 1867 and it is one oldest Finnish language schools in Finland. Norssi is celebrating its 150th anniversary this year.

A group of researchers, including Maarit Käpylä and Petri Käpylä, believes that contrary to a common model sunspots form near the Sun’s surface. Their work received has been awarded competed time on the Mare Nostrum supercomputer in Spain, read more on [Inside](#). The project has also been covered in the media in [Tekniikka&Talous](#), [Verkkouutiset](#), [AlphaGalileo](#) and [ETN](#).

Juho Rousu’s group is part of the Metabold team competing in the Helsinki Challenge pitch nights semifinals on Tuesday 6.6. Read more on [Inside](#).
Learning Center's electronic materials

Learning Center (= Library) may cut access to electronic materials that are no longer used.

Please check if the material in the list below is something you need and use and if so, send an email to noora.tuomisto@aalto.fi asap. This information will then be forwarded to the Learning Center.

You can also provide feedback on the material (why is it useful etc) and whether you use some other reference management software in the department.

Material in Finnish:

Talentum-lehtiarkisto - mukana olevat lehdet: http://lehtiarkisto.talentum.com/lehtiarkisto/tilaa.jsp

Material in English:

RefWorks - or do you use some other reference management software in the department?

Encyclopedia Britannica - browse by subjects: http://academic.eb.com/levels/collegiate/browse/subjects e. g. Science and Mathematics, Technology


Oxford Reference Online - e.g. reference books in Science and technology

Safari Technical Books Online - electronic books from the world's premier IT publishers

ProQuest Dissertations & Theses

Join the mailing list for informal events

Have you always wanted to get invitations to informal happenings organized by fellow CS staff? Or have you always wanted to invite others for a game/movie night, after-work beers, after-work sports, birthday party, random hackathon, or similar?

Look no further - we have a new mailing list, informal-cs@list.aalto.fi, for announcing informal events! Anyone can join & send invitations.

To subscribe, please go to https://list.aalto.fi/mailman/listinfo/informal-cs

The following CS News will be published 19.5.2017. Deadline for materials is by 18.5.2017 in the morning. Any tips on news items are welcome!

Contact us by email communications-cs@aalto.fi or in the social media https://twitter.com/CSAalto https://www.facebook.com/CSAalto