Overview of Activities
Eurandom - STO
2014

TU/e Technische Universiteit
Eindhoven
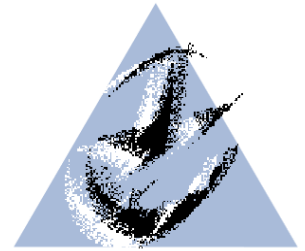University of Technology

NETWORKS

A team of 11 leading scientist (of which 7 from TU/e) was awarded a large grant by NWO (Netherlands Organization for Scientific Research) for a 10-year programme on NETWORKS. In this programme 4 research institutions collaborate:
University of Amsterdam (UvA)
Eindhoven University of Technology (TU/e)
Leiden University (UL)
Center for Mathematics and Computer Science (CWI)

The programme started in the Summer of 2014 and covers a broad range of topics dealing with stochastic and algorithmic aspects of networks. Eurandom is involved in this exciting programme through the numerous workshops that will be partly held in Eindhoven. The STO group has grown considerably because of NETWORKS, as many new researchers were taken on to fulfill the tasks set in the NETWORKS programme.

4 PhD's
1 PostDoc
1 Tenure Tracker

http://www.thenetworkcenter.nl/

ACTIVITIES

Stochastic Activity Month:
"*Combinatorics and Probability*", January 2014
This very successful event was organized by Nikhil Bansal (TU/e); Jan Draisma (TU/e); Remco v.d. Hofstad (TU/e); Ross Kang (UU/RUN); Tobias Müller (UU); Julia Komjáthy (TU/e).
The SAM consisted of two workshops and three mini courses. The opening workshop "Probability and Graphs" attracted the biggest audience ever for a Eurandom workshop. The other workshop and the mini courses were attended by approx. 40 people. Participants came from 15 countries, including USA, Europa and the Middle East.

Workshops:
- Workshop YEP "Mass Transport in analysis probability"
- (March 10-14)
- Workshop YES "Stochastic Optimization and online learning" (March 26-28)
- Workshop "Performance and control of large-scale networks" (June 30-July2)
- Workshop "Population dynamics and statistical physics in synergy" (August 25-29)
- Workshop YEQT "Stochastic service systems" (November 3-5)
- STAR Outreach Day (December 12)

Seminars:
STO Seminar series
26 seminars were organized. This lunchtime event works well for many people in the STO group and others. Speakers included guests and local researchers.
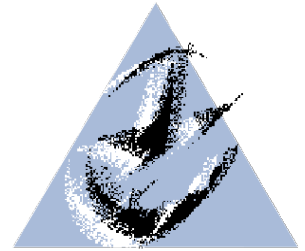
Reading Seminar *"Large Deviations"* was held on Wednesdays during the first half of the year. During these months all the relevant material on this subject was discussed.

Visitors:
We welcomed 28 visitors in 2014. A total of 282 nights spent in Eindhoven. Visits ranged from 1 night to 31 nights stay. Most visitors were well known to Eurandom and come back regularly. There were also a couple of new faces and these visitors were also very content on the working environment and the easy collaboration with the STO group and other universities in the Netherlands. It proves that the visitors programme is a worthwhile investment in the advancement of science and Eurandom will surley continue to provide financial support for this visitors programme (for details on how to apply for support, visit our website: http://www.eurandom.nl/general_call.htm.

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NEWS

Many Eurandom-STO affiliated people were in the news this year!

~ Eleni Vatamidou received the award for best student paper at MAM8 (8th International Conference on Matrix-Analytic Methods in Stochastic

~ Jaron Sanders' paper was published in Physical Reviews Letters. The paper was written together with colleagues from the Physics Department.

~Florian Simatos received the ACM SIGMETRICS Rising Star Researcher Award 2014

~ STAtOR published an article on the celebration of the 80th birthday of founding father of Eurandom: Willem van Zwet

For further details on these news items,
http://www.eurandom.nl/news/index.htm

~ Maria Vlasiou was appointed Associate Professor TU/e

~ Prof. Friedrich Götze received a Royal Decoration while attending workshop at Eurandom!

~ Onno Boxma received the 2014 Arne Hensen Lifetime Award ath the 26th ITC< Karlskrona, Sweden

More information
For more information please contact Mrs. Patty Koorn,
E-mail: koorn@eurandom.tue.nl
P.O. Box 513 (MF 4.081), 5600 MB Eindhoven, The Netherlands
tel. +31 40 2478100
www.eurandom.nl ; @EurandomInfo