



KEXJOBBSKONFERENSEN 2012

DD143X - dkand12

24 April 2012, 13.00 - 17.00

27 April 2012, 08.00 - 12.00

Program

24 APRIL, TRACK 1, ROOM D41

Session 1	Chair: Christian Smith Presenters		Protocol: Mads Dam Reviewers
	Simon Hössjer, Mattias Svanström	13.00-13.20	Kim Nilsson, Pascal Chatterjee
	<i>Algorithm Construction for GPGPU</i>		
	Ludvig Jonsson, Tim Johan Malmström	13.20-13.40	Linus Eriksson, Jesper Alvelid
	<i>Gfx with limited resources</i>		
	Oskar Bodemyr, Jimmy Larsson	13.40-14.00	Niclas Nilsson, Fredrik Frantzén
	<i>GPGPU - General Purpose Computing on Graphics Processing Units</i>		
	Christian Magnerfelt	14.00-14.15	Johan Lindeberg
	<i>Transparency with Deferred Shading</i>		
	Hobrik Wärnegård	14.15-14.30	Marcus Åberg
	<i>Heart rate sonification - Using sound for monitoring heartbeat in running</i>		
	Jonas Haglund	14.30-14.45	Joakim Carselind
	<i>Timervirtualisering</i>		
		BREAK	
Session 2	Chair: Mads Dam Presenters		Protocol: Christian Smith Reviewers
	Andreas Gabrielsson, Simon Österman	15.00-15.20	Tommy Pettersson, Walter Nordström
	<i>Analysis of the Client Puzzles Protocol</i>		
	Jonatan Landsberg, Anton Lundqvist	15.20-15.40	Helena Sjöberg, Petter Djupfeldt
	<i>DOS mitigation using Proof Of Work</i>		
	Jonatan Svensson, Johan Zeeck	15.40-16.00	Lucas Taubert
	<i>Proof-of-Work</i>		
	Simon Hansén, David Strömberg	16.00-16.20	Gustav Sennton, Anton Kindestam
	<i>Calcio - Ett protokoll för hemlig beräkning</i>		

Erik Fahlén, Josef Sunesson 16.20-16.40 Jacob Håkansson, Anders Järleberg
Robot door opening

24 APRIL, TRACK 2, ROOM E31

Session 3	Chair: Alexander Baltatzis Presenters	Protocol: Mikael Minock Reviewers
Tommy Pettersson, Helena Sjöberg <i>Effektiv implementation av Hashtabeller</i>	13.00-13.20	Vinit Sood, Fredrik Ericsson
Gustav Sennton <i>Comparing different Genetic Algorithms through solving Steiner Networks</i>	13.20-13.35	Niklas Arnell
Jacob Håkansson, Walter Nordström <i>Finding Clusters of Similar Artists - Analysis of DBSCAN and K-means Clustering</i>	13.35-13.55	Frej Connolly, Marcus Larsson
Petter Djupfeldt, Lucas Taubert <i>Learning Reverse Engineering</i>	13.55-14.15	Andreas Sjöberg, Johan Wadenholt
Anton Kindestam <i>A LISP compile for the JVM</i>	14.15-14.30	Martin Berntsson
BREAK		

Session 4	Chair: Michael Minock Presenters	Protocol: Alexander Baltatzis Reviewers
Anders Järleberg, Kim Nilsson <i>Go, F# and Erlang</i>	15.00-15.20	Magnus Raunio, Patrik Berggren
Linus Eriksson, Niclas Nilsson <i>En utvärdering av Go, Erlang och F# ur ett concurrencyperspektiv</i>	15.20-15.40	Emil Broqvist Widham, David Nilsson
Johan Lindeberg, Marcus Åberg <i>F# and Go compared to Java</i>	15.40-16.00	Dan Eriksson, Christoffer Nilsson
Pascal Chatterjee, Joakim Carselind <i>Concurrency on the JVM</i>	16.00-16.20	Robert Hedin, Mikaela Nöteberg
Jesper Alvelid, Fredrik Frantzén <i>Lexical acquisition made by machine</i>	16.20-16.40	Jacob Rydh, Markus Felldin

24 APRIL, TRACK 3, ROOM E36

Session 5	Chair: Johan Boye Presenters	Protocol: Henrik Eriksson Reviewers
Magnus Raunio <i>Utilizing Particle Systems for Strand Animation</i>	13.00-13.15	Andreas Gabrielsson
Emil Broqvist Widham <i>Artificial intelligence. A critical look at the current arguments for and against its possibility</i>	13.15-13.30	Simon Österman
Dan Eriksson <i>Optimal abstraktion i hands up no-limit texas hold'em</i>	13.30-13.45	Jonatan Landsberg
Robert Hedin, Jacob Rydh <i>Algoritm för Sudokulösning med mänskliga strategier</i>	13.45-14.05	Anton Lundqvist, Simon Hansén
Patrik Berggren, David Nilsson <i>A study of Sudoku solving algorithms</i>	14.05-14.25	Jonatan Svensson, David Strömberg
Christoffer Nilsson, Mikaela Nöteberg <i>Sudoko Solvers</i>	14.25-14.45	Johan Zeeck, Erik Fahlén
BREAK		

Session 6	Chair: Anders Askenfelt Presenters		Protocol: Mikael Goldmann Reviewers
Markus Felldin, Vinit Sood		15.00-15.20	Josef Sunesson, Oskar Bodemyr
<i>Optimal Yatzee</i>			
Frej Connolly, Diana Gren		15.20-15.40	Simon Hössjer, Jimmy Larsson
<i>Smart Scrabble playing - strategies and their impact</i>			
Marcus Larsson, Andreas Sjöberg		15.40-16.00	Mattias Svanström, Christian Magnerfelt
<i>Optimal Yatzy strategy</i>			
Martin Berntsson, Fredric Ericsson		16.00-16.20	Ludvig Jonsson, Hobrik Wärnegård
<i>Automatic Wordfeud playing bot</i>			
Niklas Arnell, Johan Wadenholt		16.20-16.40	Tim Johan Malmström, Jonas Haglund
<i>Solving Wordfeud with Artificial Intelligence</i>			

27 APRIL, TRACK 1, ROOM D41

Session 7	Chair: Mikael Goldmann Presenters		Protocol: Anders Askenfelt Reviewers
Anders Hagward, Simon Klein		08.00-08.20	Henrik Boström, Simon Ljungström
<i>A Synth in its Prime</i>			
Andreas Lindström, Albert Wifstrand		08.20-08.40	Lukas Wensby, Viktor Ljungström
<i>A nineteen tone scale synthesizer</i>			
Anton Lindström		08.40-08.55	Otto Nordgren
<i>19-tons liksvävande temperatur</i>			
Anton Holmberg		08.55-09.10	Yuri Stange
<i>Storskalig multi-touch</i>			
Mårten Pålsson, Henrik Sohlberg		09.10-09.30	Kristina Ernsell, Jesper Shu-Hao Annebäck
<i>Heart rate training using sonication</i>			
Robin Sherpa, Jonathan Zeren Zhou		09.30-09.50	Jannica Thun, Carl Henrik Klåvus
<i>Musical Instruments for the iPad</i>			
		BREAK	

Session 8	Chair: Anders Askenfelt Presenters		Protocol: Mikael Goldmann Reviewers
Anders Elowsson		10.00-10.15	Fredrik Hillnertz
<i>Statistical Analysis of Vocal Folk Music</i>			
Daniel Rönnow, Theodor Twetman		10.15-10.35	Max Roth, Miran Ali
<i>Music info retrieval - Automatic Genre Classification From Acoustic Features</i>			
Dorothea Andersson		10.35-10.50	Markus Pettersson
<i>Spatial Data Handling in PostGIS</i>			
Karl Johan Andreasson, Christian Wemstad		10.50-11.10	Filip Gauffin, Vladan Nikolic
<i>Visibility in PostGIS</i>			
Niklas Bäckström, Osvald Ivarsson		11.10-11.30	Frida Jansson, Dennis Johansson
<i>Algoritmer för att uttyda ord från svepande gester över virtuella tangentbord</i>			
Sebastian Merchant		11.30-11.45	Åsa Sproge
<i>Energimätare - Energimätning i bilsportmiljö</i>			

27 APRIL, TRACK 2, ROOM E31

Session 9	Chair: Mikael Minock Presenters		Protocol: Alexander Baltatzis Reviewers
Kristina Ernsell, Jannica Thun		08.00-08.20	Ludwig Forsberg, Joakim Gustavsson
<i>Synkronisering av musik och partikelsystem</i>			
Fredrik Hillnertz, Max Roth		08.20-08.40	Hampus Ohlsson, Harry Li
<i>Händelsestyrd vs. tidsstyrd simulering</i>			
Markus Pettersson		08.40-08.55	Gabriel Abensour Sellström
<i>Simulering under press</i>			
Filip Gauffin		08.55-09.10	Meidi Runefelt Tönisson
<i>Simulering av ett Multi-skill callcenter</i>			
Frida Jansson, Åsa Sproge		09.10-09.30	Mikael Falgard, Victor Koronen
<i>Simulation of Pedestrian Behavior</i>			
Miran Ali, Vladan Nikolic		09.30-09.50	Jon Nilsson, Petter Salminen
<i>Silverfish Simulation</i>			
		BREAK	

Session 10	Chair: Christian Smith Presenters		Protocol: Mads Dam Reviewers
Dennis Johansson		10.00-10.15	Amelia Andersson
<i>Silverfish Simulation</i>			
Henrik Boström, Lukas Wensby		10.15-10.35	Ashkan Farnian, Jens Arvidsson
<i>Large-Scale Agent-based Pedestrian and Crowd Simulation in Real-Time</i>			
Otto Nordgren, Yuri Stange		10.35-10.55	Shiva Ghafari, Simon Ström
<i>Rendering a 3D city</i>			
Simon Ljungström, Viktor Ljungström		10.55-11.15	Linus Enroth Hansson, Jonas Af Sandeberg
<i>General Purpose Computing on the GPU</i>			
Jesper Shu-Hao Annebäck, Carl Henrik Klåvus		11.15-11.30	Marcus Öberg, Viktor Collin
<i>Multiplayer-spel i realtid på smarttelefoner</i>			

27 APRIL, TRACK 3, ROOM D32

Session 11	Chair: Henrik Eriksson Presenters		Protocol: Johan Boye Reviewers
Ashkan Farnian, Shiva Ghafari		08.00-08.20	Anders Elowsson, Niklas Bäckström
<i>Effektivisering av callcenter</i>			
Amelia Andersson, Linus Enroth Hansson		08.20-08.40	Daniel Rönnow, Osvald Ivarsson
<i>Steganography. The art of hiding a message in plain sight</i>			
Marcus Öberg		08.40-08.55	Teodor Twetman
<i>Steganography</i>			
Jens Arvidsson, Simon Ström		08.55-09.15	Dorothea Andersson, Sebastian Merchant
<i>Automatisk klassificering av åsikter</i>			
Joakim Gustavsson		09.15-09.30	Karl Johan Andreasson
<i>Net voting</i>			
Jonas Af Sandeberg		09.30-09.45	Christian Wemstad
<i>Riksdagsval via Internet</i>			
		BREAK	

Session 12	Chair: Johan Boye Presenters		Protocol: Henrik Eriksson Reviewers
Viktor Collin, Hampus Ohlsson	10.00-10.20		Anders Hagward, Anton Holmberg
<i>Net voting</i>			
Gabriel A. Sellström, Meidi R. Tönnissson	10.20-10.40		Simon Klein, Henrik Sohlberg
<i>Analysis of voting algorithms</i>			
Mikael Falgard, Jon Nilsson	10.40-11.00		Andreas Lindström, Robin Sherpa
<i>Analysis of voting algorithms</i>			
Ludwig Forsberg, Harry Li	11.00-11.20		Albert Wifstrand, Jonathan Zeren Zhou
<i>En design av ett I-röstningssystem för riksväl</i>			
Victor Koronen, Petter Salminen	11.20-11.40		Anton Lindström, Mårten Pålsson
<i>Geographical tactical voting in Swedish parliament elections</i>			