

Civilingenjörstudenter presenterar sina
examensarbeten
1-2 JUNI, 2016
i G207, C313A & C413A
Välkomna!



STUDENTER 2016

TOBIAS ANDERSSON
DANIEL BENGTSOON
ERIK BERGENHOLTZ
HANNA BERTILSSON
JOHAN ELIASSON
AHMED EL-MIR
ROJAN ERBIL
HENRIK FORSLIN
SEBASTIAN GERSER
DAVID GLAAS
JIMMY GUSTAFSSON
DANIEL GUSTAVSSON
MIKAEL HAGELIN
DANIEL HOLMBERG
YASMEEN JAGHBEER
FRANS JOHANSSON
KIM KARLSSON
VIKTOR KELKKANEN
MALIN LINDSTRÖM
CHRISTIAN LJUNGBERG
HILLEVI HALLBERG LYGGEMARK
JOACIM MALM
JOHAN MELIN
STEFAN MILAKOVIC
YVONNE MOTYKA
NIKLAS NERMANSSON
ERIK NILSSON
CHRISTIAN NORDAHL
JALA OMAR
ANNA PALMQUIST
ANDREAS PERSSON
ALEXANDER PETRINI
YASMIN POURMOKHTAR
CARL RAPP
MARCUS SVENSSON
OLA SVENSSON
AXEL WEDELIN
DAVID WINQVIST

ONSDAG 1/6

08:15 - 12:00

Sal G207

HILLEVI HALLBERG LYGGEMARK

Designing for an autonomous future - How to support and maintain trust through PSS development with an emphasis on heavy construction equipment work sites | Volvo CE

Examinator: Mats Walter
Handledare: Christian M Johansson
Opponent: Daniel Holmberg

DANIEL HOLMBERG & ANDREAS PERSSON

How to create affordable and sustainable facilities for companies | Kruthusen Företagsfastigheter AB

Examinator: Mats Walter
Handledare: Christian M Johansson
Opponent: Hillevi Hallberg Lyggemark & David Winqvist

DAVID WINQVIST

Augmenting communication channels toward the evolution of autonomous construction sites | Volvo CE

Examinator: Ansel Berghuvud
Handledare: Christian M Johansson
Opponent: Andreas Persson

08:15 - 10:10

Sal C313A

VIKTOR KELKKANEN

Implementation and evaluation of positional voice chat in massively multiplayer online role playing game | Star Vault

Examinator: Kurt Tutschku
Handledare: Markus Fiedler
Opponent: Christian Ljungberg & Erik Nilsson

CHRISTIAN LJUNGBERG & ERIK NILSSON

Reduction of surveillance video playback time using event-based playback based on object tracking metadata | Axis Communications

Examinator: Lawrence Henesey
Handledare: Siamak Khatibi
Opponent: Viktor Kelkkanen

08:00 - 10:10

Sal C413A

AXEL WEDELIN & DAVID GLAAS

Analys av marknadsetablerade aktörers nyttjande av cloud computing
möjligheter | Ericsson AB

Examinator: Emil Numminen

Handledare: Martin Andersson

Opponent: Daniel Gustavsson & Mikael Hagelin

DANIEL GUSTAVSSON & MIKAEL HAGELIN

Användarcentrerad affärsmodellinnovation i ett B2C perspektiv

| Posten Norge AS

Examinator: Emil Numminen

Handledare: Urban Ljungquist

Opponent: Axel Wedelin & David Glaas

10:30 - 12:30

Sal C413A

JALA OMAR & YASMIN POURMOKHTAR

Means to capture value in e-commerce of groceries: A systematic
approach to explore business models for the food packaging and
processing industry | Tetra Pak AB

Examinator: Emil Numminen

Handledare: Martin Svensson

Opponent: Rojan Erbil

ROJAN ERBIL

Customer perceived value and the importance of information
visualization in a B2B context: Case study of a Swedish
low-volume, process-oriented manufacturing company

| ABB High Voltage Cables CE

Examinator: Emil Numminen

Handledare: Urban Ljungquist

Opponent: Jala Omar & Yasmin Pourmokhtar

13:15 - 17:00

Sal C313A

MALIN LINDSTRÖM & CHRISTIAN NORDAHL

The BXT-Bitmap: An Efficient Searchable Symmetric Encryption
Scheme | SICS Swedish ICT

Examinator: Anton Borg

Handledare: Robert Nyqvist

Opponent: Marcus Svensson

AHMED EL-MIR

PaySim Financial Simulator | BTH

Examinator: Anton Borg

Handledare: Edgar Lopez

Opponent: Malin Lindström & Christian Nordahl

MARCUS SVENSSON

Occlusion Culling on the GPU: Inner Conservative Occluder
Rasterization | Avalanche Studios

Examinator: Mikael Svanberg

Handledare: Prashanti Goswami

Opponent: Ahmed El-mir

13:00 - 15:00

Sal C413A

JOACIM MALM

Influence Analysis of Response Coupling between Tension and Torque in Helically Single Armoured Cables

| ABB High Voltage Cables

Examinator: Mats Walter

Handledare: Ansel Berghuvud

Opponent: Yvonne Motyka och Yasmeen Jaghbeer

YVONNE MOTYKA OCH YASMEEN JAGHNEER

Roadmap towards a Lean and sustainable production for medium sized manufacturers: A case study | Markisol Holding AB

Examinator: Mats Walter

Handledare: Sophie Hallstedt

Opponent: Joacim Malm

15:30 - 17:30

Sal C413A

FRANS JOHANSSON

Optimizing Fused Filament Fabrication 3D printing for durability

| Tetra Pak AB

Examinator: Ansel Berghuvud

Handledare: Mats Walter

Opponent: Ola Svensson & Kim Karlsson

OLA SVENSSON & KIM KARLSSON

Positioneringshjälpmedel för asfaltvältar | Atlas Copco

Examinator: Ansel Berghuvud

Handledare: Massimo Panarotto

Opponent: Frans Johansson

TORSDAG 2/6

08:15 - 10:15

Sal C313A

CARL RAPP

Gamification as a tool to encourage eco-driving | Swedspot

Examinator: Jurgen Börstler
Handledare: Richard Berntsson Svensson
Opponent: Niklas Nermansson

Niklas Nermansson

Evaluating how Non-player Character personalities affect the game experience in Future Happiness Challenge | IUS INNOVATION AB

Examinator: Jurgen Börstler
Handledare: Johan Hagelbäck
Opponent: Carl Rapp

08:15 - 12:00

Sal C413A

TOBIAS ANDERSSON

Facial Feature Tracking and Head Tracking as Input for Platform Games | BTH

Examinator: Prashant Goswami
Handledare: Veronica Sundstedt
Opponent: Daniel Bengtsson & Johan Melin

ALEXANDER PETRINI & HENRIK FORSLIN

Evaluation of Player Performance with a Brain Computer Interface and Eye Tracking Control in an Entertainment Game Application

| STILLALIVE STUDIOS

Examinator: Prashant Goswami
Handledare: Veronica Sundstedt
Opponent: Tobias Andersson

DANIEL BENGTSOON & JOHAN MELIN

Constrained procedural floor plan generation for game environments | Paradox Arctic

Examinator: Prashant Goswami
Handledare: Hüseyin Kusetogullari
Opponent: Alexander Petrini & Henrik Forslin

13:15 - 17:00

Sal C313A

ANNA PALMQUIST & SEBASTIAN GERSER

Waste of money, or money of waste. Ekonomisk lönsamhet vid insamling av returmaterial| Tarkett AB

Examinator: Martin Andersson
Handledare: Martin Svensson
Opponent: Stefan Milakovic

HANNA BERTILSSON

A study of how risks can be managed in large industrial R&D projects | ABB High Voltage Cables

Examinator: Martin Andersson
Handledare: Emil Numminen
Opponent: Anna Palmquist & Sebastian Gerser

STEFAN MILAKOVIC

Utvärdering och användning av data för tillståndsbaserat underhåll i en industriell kontext| Quant Service Sweden AB

Examinator: Martin Andersson
Handledare: Shahid Quoreshi
Opponent: Hanna Bertilsson

13:15 - 17:00

Sal C413A

ERIK BERGENHOLTZ

False Alarm Reduction in Maritime Surveillance| Kustbevakningen

Examinator: Lawrence Henesey
Handledare: Bengt Carlsson
Opponent: Johan Eliasson

JIMMY GUSTAFSSON

Evolving Neuromodulatory Topologies for Plasticity in Video Game Playing| BTH

Examinator: Lawrence Henesey
Handledare: Prashant Goswami
Opponent: Erik Bergenholtz

JOHAN ELIASSON

Detecting crime series based on route estimation and behavioral similarity| BTH

Examinator: Lawrence Henesey
Handledare: Anton Borg
Opponent: Jimmy Gustafsson



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