

Valgte fordypningsoppgaver høsten 2013.

*Sommerjobber - reserverte prosjekter

TKP4510 – TKP4511 Katalyse og petrokjemi	
Edd A. Blekkan	
Milly Kure, millyk@stud.ntnu.no	Hot Gas cleaning
De Chen	
Aqeel Hussain, aqeelh@stud.ntnu.no	Carbon nanotubes (CNT) for enhanced oil production from shale
Steffen Annfinsen, steffa@stud.ntnu.no	Autothermal dry reforming of methane
Shirley Elisabeth Liland, shirleyliland@gmail.com	Understanding of chain growth in F-T synthesis by kinetic study
* Reza Abdollahi, rezaa@stud.ntnu.no	Kinetic study of oxidodiration process
Magnus Rønning	
* Mario Ernesto Casalegno Garduño, marioec@stud.ntnu.no	Fisher-Tropsch catalyst for jetfuel production
Kaia Andersson Jensen, kaiaande@stud.ntnu.no	Investigation of the Yara 58-Y1 nitrous oxide decomposition catalyst
Karl Magnus Åbø, karlmagn@stud.ntnu.no	Investigation of the Yara 58-Y1 nitrous oxide decomposition catalyst
Eirik Søgne Tolgensbakken, eiriktol@stud.ntnu.no	Photocatalytic H ₂ -production through photo-reforming of hydrocarbons
Malin Kristina Salmi Stavrum, malinsk@stud.ntnu.no	Prosjekt i samaberid med Statoil (Magnus støtteveileder)
Hilde Venvik	
Jon Bolstad, jonbol@stud.ntnu.no	Process intensification of the Fischer-Tropsch synthesis
Bengt Arild Johannesen, bengtaj@stud.ntnu.no	Microchannel membrane reactor for small scale hydrogen production
Linn Cecilie Sørvik, linces@stud.ntnu.no	Adsorption of alkaline metals on cobalt single crystal surfaces (VÅR 2014)
Kamilla Opheim Risa, kamillr@stud.ntnu.no	Direct and indiract synthesis of DME over acidic catalysts
Camilla Lindgren, camili@stud.ntnu.no	Microchannel membrane reactor for small scale hydrogen Production

TKP4520 – TKP4521 Kolloid og polymerkjemi

Johan Sjöblom

Thu Phuong Bui, phuongtb@stud.ntnu.no	Study of the efficiency of commercial and green demulsifiers on water removal efficiency
Hieu Trung Mai, hiutm@stud.ntnu.no	Study of the efficiency of commercial and green demulsifiers on water removal efficiency
Stine Fagerdal, stinefa@stud.ntnu.no	Prosjekt i samarbeid med Statoil (Johan støtteveileder)
Sofie Nystrand, sofien@stud.ntnu.no	Study of the efficiency of commercial and green demulsifiers on water removal efficiency
Manuel Canelas, manuelca@stud.ntnu.no	Preparation and characterization of particle-stabilized model oil emulsions
Jesam Maudhoo, maudhoo@polytech.upmc.fr	Study of the Mechanism of Formation of Calcium Naphtenate Deposits by Isothermal Titration Calorimetry

Wilhelm Glomm

Marte Kee Andersen, marte1988.ma@gmail.com	Design of Smart Superparamagnetic Polymer Nanocomposites
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Brian Grimes

Marius Espenes, mariues@stud.ntnu.no	Introduction to modeling gravity separation of emulsions: Application to crude oil-water separations
Thomas Shepherd, shepherd@stud.ntnu.no	Introduction to molecular simulation of multi component adsorption at liquid-liquid interfaces.

Gisle Øye

Erlend Teigen, erlendte@stud.ntnu.no	Partitioning of surfactants between the water and oil phases related to enhanced oil recovery methods
Trine Johansen, trinjoh@stud.ntnu.no	Investigation of loss of surfactant by adsorption onto clay minerals related to enhanced oil recovery methods
Ingrid Karlsen Hov, inghov@stud.ntnu.no	Investigation of loss of surfactant by adsorption onto clay minerals related to enhanced oil recovery methods
Anja Johnsen, anjajohn@stud.ntnu.no	Interfacial characterization of gas-liquid interfaces related to gas flotation in offshore produced water treatment
Ida Christiansen, idac@stud.ntnu.no	Investigation of loss of surfactant by adsorption onto clay minerals related to enhanced oil recovery methods
Elisabeth Svoren, elisasvo@stud.ntnu.no	Investigation of loss of surfactant by adsorption onto clay minerals related to enhanced oil recovery methods
Anne Bjerke Årrestad, annearrestad@gmail.com	Investigation of loss of surfactant by adsorption onto clay minerals related to enhanced oil recovery methods

Martin Foss

Jørgen Nordbø, jorgn@stud.ntnu.no	Skriver for IFE
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TKP4530 - TKP4531 Miljø og Reaktorteknologi

Hallvard Svendsen

Morten Rostad Haugen,
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VLE for the CO₂-amine of CO₂-carbonate systems (*VÅR 2014*)

Hanna Knuutila

Lars Hanstad,
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Modelling of ammonia based CO₂ capture with Aspen Plus

Rasa Nazarpour Alizad,
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Modelling of ammonia based CO₂ capture with Aspen Plus

Magne Hillestad

Samira Bamani,
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Energy Consideration around amine CO₂ capture plant

Niloofer Aslankhani,
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Modeling and optimization of a gas-to-liquid plant

Elisabeth Børde,
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Energy considerations around amine CO₂ capture plant

Kristoffer Moen,
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Modeling and optimization of a gas-to-liquid plant

Kine Hammersland,
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Energy considerations around amine CO₂ capture plant

Gert Versteeg

Hugo A. Jakobsen

Reza Farzad,
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Experimental investigation of single droplet breakage in stirred tank.

May-Britt Hägg

* Emily Ann Melsæther,
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Preparation of PVAm/PSf composite hollow fibers for flue gas applications

* Mohammad Vahid Sarfaraz,
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Fixed-Site-Carrier Membranes for CO₂ capture from hollow cement industry

Gaute Tolås Trondsen,
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Development of membrane materials for a gas-liquid membrane contactor for CO₂ capture from natural gas *eller* Development of an Osmotic Membrane Pressure Actuator (OMPA) for Enhanced Oil & Gas Recovery

Henriette Mortensen, henrimor@stud.ntnu.no	Development of membrane materials for a gas-liquid membrane contactor for CO ₂ capture from natural gas <i>eller</i> High pressure testing of fixed-site-carrier membranes for CO ₂ /CH ₄ separation
Karoline Nåvik Hval, karolihv@stud.ntnu.no	Development of membrane materials for a gas-liquid membrane contactor for CO ₂ capture from natural gas
Jens-Petter Andreassen	
Elisabeth Kuiper, lilykuiper@gmail.com	Project through Xstrata
Elizabeth Martine Svendsen, elizabms@stud.ntnu.no	Prosjekt hos IBT.
Lijuan Deng	

TKP4550 – TKP4551 Prosess-systemteknikk

Sigurd Skogestad

Bjørn Tore Mathisen,
bjorntma@stud.ntnu.no Modellering, estimering, optimalisering og regulering av NPKprosessen

Fredrik Gjertsen,
fredrgj@stud.ntnu.no Models for online control of batch polymerization processes.

Adriana Reyes Lua,
adrianre@stud.ntnu.no Economic plantwide control using commercial process simulation software

Christer Haugland,
chha@stud.ntnu.no Prosjekt i samarbeid med Yara.

Rannei Solbak Simonsen,
ranneisolbak@gmail.com Skriver prosjekt **våren 2014** - oppgave avtales med veileder høsten 2013.

Ingrid Didriksen,
indidriksen@gmail.com Skriver prosjekt **våren 2014** – oppgave avtales med veileder høsten 2013.

Marie Stokke Solvik,
mariess@stud.ntnu.no Optimalisering og regulering av CO₂-stripper (samarbeid med Statoil Kårstø)

Christer Forsman

Arne Tobias Elve,
elve@stud.ntnu.no Skriver prosjekt **våren 2014** – oppgave avtales med veileder høsten 2013

Nina Helene Omdahl,
ninaheo@stud.ntnu.no Industrial control case at Perstorp

Vegard Skogstad,
vegask@stud.ntnu.no Distillation column control

Heinz Preisig

Henrik Kaald Melbø,
henrme@stud.ntnu.no Temperature distribution in milli-reactor

Even Evju Skanke,
evenevju@stud.ntnu.no Air inlet cooling gas turbine (eksternt prosjekt for ERC)

Tore Haug-Warberg

Sigve Karolius,
sigveka@stud.ntnu.no Validations of thermodynamic state equations in Brilliant

Nadi Skjøndal-Bar

Tine Bergitte Heggernes,
tine.heggernes@gmail.com Prosjekt for bedrift

TKP4560 – TKP4561 Bioraffineri- og fiberteknologi

Størker Moe

Brieuc Evangelista, Brieuc.evangelista@gmail.com	Use of mineral acid mixtures in concentrated acid hydrolysis of lignocellulose
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Øyvind Gregersen

Kristin Syverud

Ada C. Heggebø, heggebo@stud.ntnu.no	Alternative fire retardants for cellulose insulation materials
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