

Valgte fordypningsoppgaver høsten 2012.

TKP4510 – TKP4511 Katalyse og petrokjemi	
Edd A. Blekkan	
Asphaug, Sindre sindreas@stud.ntnu.no	Hydrotreating of Bio-oils over Mo-based catalysts
Djuve, Eirik eirikd@stud.ntnu.no	Catalytic dehydrogenation of propane by carbon supported metal catalysts
Østbye Pedersen, Eirik ostbyepe@stud.ntnu.no	Catalytic dehydrogenation of propane by carbon supported metal catalysts
De Chen	
Baidoo, Martina Francisca martinfb@stud.ntnu.no	Kinetic study of oxychlorination process
Bjørgen, Cecilie cecibjo@stud.ntnu.no	Synthesis of fuels from biomass derived oxygenates
Cesak, Ondrej cesako@vscht.cz	Synthesis of fuels from biomass derived oxygenates
Liland, Ingvild Skeie ingvill@stud.ntnu.no	Process simulation and evaluation of biofuel production
Martinez Sanchez, Guillermo guillem@stud.ntnu.no	Hydrogen production from biomass derived compounds by sorption enhanced reforming
Magnus Rønning	
Fiske, Thomas Haukli thomafi@stud.ntnu.no	Correlation of catalyst morphology with attrition of Fischer-Tropsch catalysts
Hilde Venvik	
Lindgren, Camilla camili@stud.ntnu.no	Microchannel membrane reactor for small scale hydrogen production
TKP4520 – TKP4521 Kolloid og polymerkjemi	
Johan Sjöblom	
Aleksandersen, Hanne hanneral@stud.ntnu.no	
Orlandi, Ezequiel ezequielorlandi@hotmail.com	
Subramanian, Sreedhar sreedhas@stud.ntnu.no	Shut-in Flows Model Development
Wilhelm Glomm	
Chapon, Maéva Maeva.chapon@ensic.inpl-nancy.fr	Protein-nanoparticles constructs for intracellular delivery
Freychet, Guillaume Leon guillauf@stud.ntnu.no	Nanocomposites – polymers with nanoparticles (7,5 sp)
Lefsaker, Martine	Development of membrane materials for a gas-liquid membrane

lefsaker@stud.ntnu.no	contactor for CO ₂ capture from natural gas
Negre, Leo Leonegre@hotmail.com	Nanocomposites – polymers with nanoparticles
Pichler, Birgit Birgit.pichler@gmx.at	Nanocomposites – polymers with nanoparticles
Solemsli, Henrik Winther hens@stud.ntnu.no	Synthesis of Hybrid Nanoparticles with Tunable Plasmonic/Magnetic Properties
Staudinger, Christoph c.staudinger@student.tugraz.at	Synthesis of Shape Controlled Magnetic Nanoparticles
Brian Grimes	
Gisle Øye	
Behrens, Eivind Joo eivinjb@stud.ntnu.no	Investigation of particles at liquid-air and liquid-liquid interfaces
Engelbeen, Jeroen Jeroen.Engelbeen@UGent.be	Characterisation of liquid-liquid interfaces related to offshore produced water treatment
Hodneland, Solveig solvehod@stud.ntnu.no	Characterisation of liquid-liquid interfaces related to offshore produced water treatment
Kjemperud, Jostein josteikj@stud.ntnu.no	Investigation of interfacial tension of surfactants in low salinity water for enhanced oil recovery applications
Kløcker, Kaja Neeb klocker@stud.ntnu.no	Characterisation of gas-liquid interfaces related to offshore produced water treatment
Olhaye, Omar olhaye@stud.ntnu.no	Characterisation of gas-liquid interfaces related to offshore produced water treatment
Pattyn, Ibe (utvekslingsstud) Ibe.Pattyn@UGent.be	Characterisation of liquid-liquid interfaces related to offshore produced water treatment
Tomasa, Tina tomasa@stud.ntnu.no	Investigation of interfacial tension of surfactants in low salinity water for enhanced oil recovery applications
Trapnes, Helle Hofstad helleht@stud.ntnu.no	Characterisation of gas-liquid interfaces related to offshore produced water treatment
Vu, Yen yenv@stud.ntnu.no	Investigation of particles at liquid-air and liquid-liquid interfaces
TKP4530 - TKP4531 Miljø og Reaktorteknologi	
Hallvard Svendsen	
Amiri, Mandana mandanaa@stud.ntnu.no	VLE for the CO ₂ amine system
Awais, Muhammad mawais@stud.ntnu.no	Determination of the mechanism of the reaction between CO ₂ and alkanolamines
Foss, Kristine Bentzen krisfo@stud.ntnu.no	VLLE, Vapour-Liquid-Liquid equilibrium
Hayfron-Benjamin, Ebenezer ebenezeh@stud.ntnu.no	Degradation of absorber systems
Johnsen, Birgit birgijo@stud.ntnu.no	Measurements and modeling of physical properties of solvents at high pressure
Majeed, Hammad hammadm@stud.ntnu.no	VLE for the CO ₂ amine system
Rashidaian, Mahla mahlar@stud.ntnu.no	VLE for the CO ₂ amine system

Shoukat, Usman usmansh@stud.ntnu.no	Development of a desulphurisation process that is 100 % selective for H ₂ S
Hanna Knuutila	
Brodtkorb, Thea Wilhelmine theawilh@stud.ntnu.no	Degradation of absorbent systems
Gert Versteeg	
Snarvold, Kristin kristisn@stud.ntnu.no	Determination of mass transfer parameter
Magne Hillestad	
Cabrera López, Javier javierc@stud.ntnu.no	Dynamic modelling and simulation of a CO ₂ capture plant
Hove, Hanne Ekeberg hanneeke@stud.ntnu.no	Dynamic modelling and simulation of a CO ₂ capture plant
Håbrekke, Åshild ashilha@stud.ntnu.no	Dynamic modelling and simulation of a CO ₂ capture plant (7,5 sp)
Knutsen, Kristine Tomte kriskn@stud.ntnu.no	Energy considerations around an amine CO ₂ capture plant
Kaasa, Jonas Reier jonasre@stud.ntnu.no	Evaluation of a North Sea Oil Platform using exergy analysis
Lindersen, Peter J. B. peterjli@stud.ntnu.no	Modelling and optimization of a Gas-to-Liquid plant
Maupilier, Anne Anne.maupilier@ensic.inpl-nancy.fr	Modelling and optimization of a Gas-to-Liquid plant
Næss, Henriette Sæd henriena@stud.ntnu.no	Energy considerations around an amine CO ₂ capture plant
Urazgaliyeva, Gaukhar gaukharu@stud.ntnu.no	Energy considerations around an amine CO ₂ capture plant
Hugo A. Jakobsen	
Nordbø, Jørgen jorgn@stud.ntnu.no	Evaluation of population balance kernels of bubble breakage and coalescence for the simulation of bubbly flows
Selvaag, Kristian krisse@stud.ntnu.no	Modeling and simulation of a slurry bubble column for the Fischer-Tropsch process
May-Britt Hägg	
Jens-Petter Andreassen	
Aanonsen, Charlotte charloaa@stud.ntnu.no	Crystal growth kinetics related to scaling on heated surfaces
Hyllestad, Ketil hyllesta@stud.ntnu.no	Scaling of calcium carbonate on heated surfaces
TKP4550 – TKP4551 Proses-systemteknikk	
Sigurd Skogestad	
Aaltvedt, Stian stianaal@stud.ntnu.no	Optimal Operation of Parallel Systems
Berstad, Sigrun Dyvik sigrundy@stud.ntnu.no	Optimal Operation of Parallel Systems
Duus, Ane Cecilie anececd@stud.ntnu.no	Control Strategies for Divided Wall (Petlyuk) Columns
Esmailpour Abardeh, Mahnaz	Configuration of two control valves for anti-slug control

mahnaze@stud.ntnu.no	
Foss, Martin Skjærvø martf@stud.ntnu.no	Evaluation of SIMC PID-rule
Haarsaker, Vilde trinevil@stud.ntnu.no	Dynamic back-off for control of active constrains
Hjetland, Ola Sæterli olasater@stud.ntnu.no	Evaluation of SIMC PID-rule
Holene, Axel Lødemel holene@stud.ntnu.no	Modeling, control and optimization of multiphase heat exchangers
Houge, Emilie Øritsland emilieor@stud.ntnu.no	Modelling and control of a Bio diesel plant
Johanssen, Emma emmamati@stud.ntnu.no	Dynamic back-off for control of active constrains
Marvik, Tor Anders torandma@stud.ntnu.no	Studies on modelling and control of distillation columns
Nilsen, Anne Sofie annesoni@stud.ntnu.no	Slug 2 – Simplified first principle model for severe slugging flow in S shaped risers
Øien, Marianne mariaoie@stud.ntnu.no	Modelling and control of a Bio diesel plant
Paulsen, Helene helenep@stud.ntnu.no	Performance and Robustness of a Smith Predictor Controller
Stewart, Nicola J. stewart@stud.ntnu.no	Evaluation of SIMC PID-rule
Susort, Nils Arne nilsarsu@stud.ntnu.no	Modelling, control and optimization of multiphase heat exchangers
Trapnes, Siri Hofstad sirihofs@stud.ntnu.no	Performance and Robustness of a Smith Predictor Controller
Heinz Preisig	
Vanek, Petr petrv@stud.ntnu.no	Design of residence time distribution experiment
Tore Haug-Warberg	
Nadi Skjøndal-Bar	
Jevne, Ivar Magnus ivarmaj@stud.ntnu.no	Arbeid i systembiologi
TKP4560 – TKP4561 Bioraffineri- og fiberteknologi	
Størker Moe	
Ekrheim, Hilde Bråtveit ekrheim@stud.ntnu.no	Development of a "Severity parameter" for concentrated acid hydrolysis of Lignocellulose
Katto, Aristides Robert katto@stud.ntnu.no	Development of a "Severity parameter" for concentrated acid hydrolysis of Lignocellulose
Vlădeanu (Dascălu), Anamaria Anamaria_vladeanu2006@yahoo.com	Decrystallization of lignocellulosic biomass using ionic liquids
Øyvind Gregersen	
Aurelian-Alexandru, Dascălu reludascalu@yahoo.com	Reduced energy consumption in paper drying

