

Valgte av masteroppgaver våren 2011

1. Katalyse og petrokjemi	
Anders Holmen	
Alam, Mahmud	Kinetics and Deactivation in Methanol Synthesis
Barrilleau, Claire	Conversion of Synthesis Gas from Biomass to Liquid Fuels by the Fischer-Tropsch Synthesis
Freire López, Juan Bautista	Catalytic Partial Oxidation of Methane at Moderate Temperatures
Karlsen, Aina-Elin	Hydrothermal synthesis of cobalt Fischer-Tropsch catalysts with implications on chemical attrition and syngas conversion
Edd A. Blekkan	
Plünnecke, Katrine S. B.	Catalytic reforming of producer gas from biomass gasification
De Chen	
Nguyen, Loc Huu	Synthesis and application of nanomaterials in clean energy.
Vannier, Damien	Kinetic study of high temperature water gas shift reaction.
Rønning, Magnus	
Evenrud, Vegar	Characterization of Promoted Fischer-Tropsch Catalysts
Lien Bjørnstad, Ida	Photocatalytic fuel production through splitting of water and photoreforming of hydrocarbons
Osmani, Kimete	Water purification by using structured catalysts for hydrogenation of nitrates
Hilde Venvik	
Esmael Pour, Ayob	Biofunctional Catalyst for Direct DME Synthesis
2. Kolloid- og polymerkjemi	
Johan Sjöblom	
3. Prosess-systemteknikk	
Sigurd Skogestad	
Edvardsen, Daniel Greiner	Optimizing control of heat exchanger network
Grimholt, Chriss	A new method for soft sensing based on the nullspace method (Self-optimizing control)
Helgesen, Anette Hoel	Toolbox for generation of non-linear control models for semi-batch emulsion polymerization reactors
Meland, Knut Åge	Stabilization of two-phase flow in risers from reservoirs (anti-slug control) (in cooperation with Siemens). Robust anti-slug control strategies
Nazir, Ahsan	Viscous oil Flow modelling
Tore Haug-Warberg	
Almeland, Silje Kreken	Multi-phase equilibrium calculations
4. Miljø- og Reaktorteknologi	
Hallvard Svendsen	
Idrees, Muhammad Usman	Calorimetric study of CO ₂ absorption into amine solutions
Jens, Christian Morten	Characterization and modeling of L/L systems
Saleem, Fahad	Vapour Liquid Equilibria - VLE and solubility in absorbent systems.

Zaidy, Syed Amjad Hussain	Vapour liquid equilibria-VLE
May-Britt Hägg	
Greene, Jonathan Ashley	Osmotic membrane for pressure control
Haglund, Ola Kjølberg	Membrane Process Simulations
Leithe, Anna Elise	The effect of high pressure and vacuum on FSC (fixed-site-carrier) membrane performance for carbon dioxide separation for flue gas.
Rahman, Mohammad Mashukur	Investigation of new polymeric membranes with controlled architecture for carbon dioxide capture
Saeed, Muhammad	Natural gas sweetening by using membrane contactor
Magne Hillestad	
Bøhn, Kristian	The effect of operational parameters in a methanol plant
Graff, Vidar	Dehydration and compression of contaminated CO ₂ -rich gas
Karlsen, Stine	Energy utilization in EDC cracking
Williams, Rebecca	Fouling monitoring of condenser at Snøhvit
Jens-Petter Andreassen	
Mentazaud, Thomas	Precipitation of carbonates in the pretreatment process for regeneration of ethylene glycol
Nergaard, Margrethe	Scaling and bulk precipitation of calcium carbonate at constant supersaturation
6. Treforedling	
Størker Moe	
Heggvoll, Børge	Torrified pellets from Scandinavian forest residues for coal CO-firing
Øyvind Gregersen	
Sandberg, Linn Ingunn C.	Porous membranes/filters made of nanofibrillated cellulose

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