Valgte fordypningsoppgaver høsten 2014.

*Sommerjobber - reserverte prosjekter

TKP4510 – TKP4511 Katalyse og petrokjemi	
De Chen	
*Isaac Yeboah, isaacy@stud.ntnu.no	2. Multifunctional proppants for kerogen conversion in enhanced oil production from shales
Hanne Marie Straume, hannstr@stud.ntnu.no	10. Catalysts for olefin production from synthesis gas
Siri Foss Morken, sirifm@stud.ntnu.no	7. One-pot conversion of biomass to chemicals on Ni/ZnO based catalysts
Astri Karin Torvik Jenssen, astrikj@stud.ntnu.no	7. One-pot conversion of biomass to chemicals on Ni/ZnO based catalysts
Thomas S. Hemminghytt, tsh@live.no	1. Multifunctional proppants for enhanced oil production from shales
Endre Fenes, fenes@stud.ntnu.no	3. Kinetic study of oxychlorination process
Lars Moen Strømsnes, larsmoen@stud.ntnu.no	9. Autothermal dry reforming of methane
*Haakon M. V. Rui, haagiboy88@gmail.com	Synthesis and applications of tungsten carbides (ikke på liste)
Magnus Rønning	
* Stine Hagen Wigum, stinehag@stud.ntnu.no	18. Studies of methanol synthesis catalysts
Ata ul Rauf Salman, ausalman@stud.ntnu.no	13. Surface modified γ–alumina supports for cobalt Fischer-Tropsch catalysts I
Lise Saue Jensen, lisesaue@stud.ntnu.no	16. Doped carbon nanostructures as metal-free catalysts for oxidative dehydrogenation of light alkanes
Øyvind Juvkam Eraker, oyvindju@stud.ntnu.no	19. Reduction of Cu-ZnO water-gas shift catalysts in presence of water

Anne Helene Barsnes, annehb@stud.ntnu.no	16. Doped carbon nanostructures as metal-free catalysts for oxidative dehydrogenation of light alkanes
Hector Iglesias Gonzalez, hector.iglesias.dr@gmail.com	17. Photocatalytic H_2-production through photo-reforming of hydrocarbons
Hilde Venvik	
Dmitri Spînu, dmitris@stud.ntnu.no	23. Process intensification of the Fischer-Tropsch synthesis
Sergiu Paereli, sergiup@stud.ntnu.no	20. Direct and indirect synthesis of DME over acidic catalysts.
Linn Cecilie Sørvik, linnces@stud.ntnu.no	25. Adsorption of alkaline metals on cobalt single crystal surfaces
Kristian H. Hansen, krhaugs@stud.ntnu.no	23. Process intensification of the Fischer-Tropsch synthesis
Nils-Olav Hole, nilsoho@stud.ntnu.no	23. Process intensification of the Fischer-Tropsch synthesis
*Jihye Hwang, jihye9996@naver.com	22. Initial stages of metal dusting corrosion
TKP4520 – TKP4521 Kolloid og polymerkjemi	
Johan Sjöblom	
Are Bertheussen, arebe@stud.ntnu.no	28. "Reactive Interface of Tetrameric Acids / Monomeric Acids and Multivalent Cations"
Angela Jakobsen, angela.jakobsen@gmail.com	27. "De-Emulsfication of Crude Oil Emulsions by Tunable Amphiphilic Biopolymers"
Trine Nisja, trinenis@stud.ntnu.no	27. "De-Emulsfication of Crude Oil Emulsions by Tunable Amphiphilic Biopolymers"
Mia Elise Ronander, miaer@stud.ntnu.no	27. "De-Emulsfication of Crude Oil Emulsions by Tunable Amphiphilic Biopolymers"
Stijn Vangaever, stijn.vangaever@ugent.be	29. Fractionation of Asphaltenes to Better Understand the Mechanism of Asphaltene Deposition
Nick Smits, Nick.Smits@UGent.be	28. Reactive Interface of Tetrameric Acids / Monomeric Acids and Multivalent Cations
Guillaume Coudrais, guillaume.coudrais5@etu.univ-lorraine.fr	27. De-Emulsification of Crude Oil Emulsions by Tunable Amphiphilic Biopolymers
Adeline Lunardon, adeline.lunardon3@etu.univ-lorraine.fr	27. De-Emulsification of crude Oil Emulsions by Tunable Amphiphilic Biopolymers
Stijn Staelens,	?

Stijn.Staelens@UGent.be	
Brian Grimes	
Rakel Ekholdt, rakel.ekholt@gmail.com	32. Multi-scale modeling of interfacial mass transport in emulsions
Ruth Elisabeth Sveen, sveen.re@gmail.com	32. Multi-scale modeling of interfacial mass transport in emulsions
Wilhelm Glomm	
Muhammad Awais Ashfaq Alvi, awaisalv@stud.ntnu.no	Controlled Release from Nanoparticles (NPs) for Theranostic applications (ikke på liste)

TKP4530 - TKP4531 Miljø og Reaktorteknologi	
Hanna Knuutila og Hallvard Svendsen	
Åsne Nannestad, nannesta@stud.ntnu.no	35. Measurements and modeling of physical properties of solvents at high pressures
Iris Renate T. Krokvik, irkrokvi@stud.ntnu.no	37. VLE in precipitating carbonate systems
Samira Bahmani, samirab@stud.ntnu.no	38. Degradation and corrosion of absorbent systems
Magne Hillestad	
Anders Leirpoll, andersty@stud.ntnu.no	LNG Heat Exchanger (ikke på liste)
Kristin Dalane, krisdala@stud.ntnu.no	62. Modelling and optimization of a Gas-to-Liquid plant
Ida Bernhardsen, idamorte@stud.ntnu.no	63. SO_2 cleaning from exhaust gases
Linn-Therese Forthun, linnthfo@stud.ntnu.no	61. Simulation and model verification of the dynamic behaviour of the CO_2 capture plant at TCM
Gert Versteeg og Hallvard Svendsen	
*Rune Rennemo, runeren@stud.ntnu.no	49. Determination of the mechanism of the reaction between CO_2 and alkanolamines
Hugo A. Jakobsen	
Paul Magne Amundsen, paulmagne@outlook.com	68. Modeling and simulation of a membrane reactor for hydrogen production from natural gas.
May-Britt Hägg	
Ingrid Nyeng, ingrid.nyeng@gmail.com	53. Pilot scale testing of fixed-site-carrier hollow fibers for CO_2 capture from flue gas

TKP4550 – TKP4551 Prosess-systemteknikk

Sigurd Skogestad	
Adriaen Verheyleweghen, verheyle@stud.ntnu.no	70. Modelling and optimization of a 2-stage compressor train
Preben Fürst Tyvold, prebenfu@stud.ntnu.no	69. Modelling and optimization of compact subsea separators
Fahad Matovu, fahadm@stud.ntnu.no	69. Modelling and optimization of compact subsea separators
Martin J. Bland, bland@stud.ntnu.no	75. Expected problems when pairing on negative RGA-elements
Krister Forsman og Sigurd Skogestad	
Alexander Leguizamon, alexaleg@stud.ntnu.no	79. Industrial control case at Perstorp
Trine Witzøe, trinewit@stud.ntnu.no	79. Industrial control case at Perstorp
Heinz Preisig	
Kasper Linnestad, kasperjo@stud.ntnu.no	Subsea gas leakage (Lloyd's Register) (ikke på liste)
Tore Haug-Warberg	
Kjetil Sonerud, sonerud@stud.ntnu.no	Object-oriented process simulation in Julia (ikke på liste)
Nadav Skjøndal-Bar	
Sigmund Andenes, sigmuand@stud.ntnu.no	81. Modeling and simulations of bat flight and sonar in 3-dimensions (Systems biology: Neuroscience).
Adrian Finvold, adriansf@stud.ntnu.no	82. Modeling and simulation of path -finding and tracking, applied to ants