William J. Brown Farrell cum laude, **B.S., Electrical Engineering.** Golden Key Honor Society

Oliver J. Fleshman ** B.S., Mechanical Engineering

Megayla Yvonne Franks *

B.S., Mechanical Engineering

James Steven Frost B.S., Mining Engineering

Robbin Garber-Slaght ** magna cum laude, B.S., Mechanical Engineering

Ethan Graetz B.S., Civil Engineering

Brennon W. Haag ** B.S., Mechanical Engineering

James Hansen B.S., Civil Engineering

Jacob Edward Horazdovsky ** B.S., Civil Engineering. Student Leadership Honors

Wyatt Hurlbut B.S., Mechanical Engineering: Aerospace Emphasis

Jonathan Hutchinson B.S., Civil Engineering

Trevor Thomas Hyatt summa cum laude, **B.S., Civil Engineering**. Honors Program. Student Leadership Honors. Golden Key Honor Society. Phi Kappa Phi Honor Society

Alex S. Kotlovenko ** B.S., Petroleum Engineering

Kasper Kowalewski B.S., Petroleum Engineering

Erik Ivan Leman ** cum laude, B.S., Petroleum Engineering

Maria Medvedeva magna cum laude, B.S., Petroleum Engineering. Golden Key Honor Society

Tessa Dee Cecelia Miller B.S., Civil Engineering Peter Morris B.S., Mechanical Engineering: Petroleum Emphasis

David Aaron Morse B.S., Civil Engineering

Adria Neitzer ** B.S., Petroleum Engineering

Mark Nelson B.S., Mechanical Engineering: Petroleum Emphasis. Golden Key Honor Society

Chad David Odom cum laude, **B.S.**, **Civil Engineering**. Golden Key Honor Society

Dominic Orr B.S., Mining Engineering

Donald R. Pitts ** B.S., Civil Engineering. Student Leadership Honors

Timothy Charles Porritt B.S., Mechanical Engineering

Kristopher A. Reed magna cum laude, B.S., Mechanical Engineering. Golden Key Honor Society

William J. P. Robinson cum laude, **B.S., Geological Engineering.** Golden Key Honor Society

James Rutter B.S., Mechanical Engineering

Mark Sams B.S., Civil Engineering

Adam Saunders B.S., Electrical Engineering: Communications

Vincent Lynn Shen B.S., Mechanical Engineering: Aerospace Emphasis

David Song B.S., Mechanical Engineering

Matthew N. Van Atta B.S., Mechanical Engineering. *Honors Program*

Alec Mikhail Venechuk B.S., Geological Engineering

Zhenhua Rui M.S., Petroleum Engineering. B.S., Nanjing Normal University (People's Republic of China), 2004. M.S., China University of Petroleum, 2006

Bhaskar C. Sahoo **

process and freezing front development in sand and silt samples were observed using computerized ultrasonic tomography in the laboratory and comparably simulated using comprehensive numerical finite element method.

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Thesis: Numerical Simulation of Single Phase and Boiling Microjet Impingement This thesis presents simulation results of laminar, confined single-phase and boiling microjet impingement. The single phase impingement studies show a strong dependence of the heat transfer on the recirculation patterns while the boiling jets