



UNIVERSITY OF MINNESOTA

INSTITUTE OF TECHNOLOGY

2009 COMMENCEMENT

FRIDAY, MAY 8, 2009

NORTHROP MEMORIAL AUDITORIUM

CEREMONY ETIQUETTE

As a courtesy to the graduates and other guests, we ask that you remain in your seat throughout the entire ceremony. Graduates should return to their seats after crossing the stage. Degrees are conferred at the end of the commencement ceremony.

CELL PHONES AND PAGERS

Please turn off all cell phones and pagers before entering the auditorium.

PHOTOGRAPHS

For your convenience, we have made arrangements with professional photographers to take a picture of each student crossing the stage. This service will enable each student to have a photograph of this special event. Family members and friends are encouraged to remain in their seats and enjoy the ceremony. *Please do not block the ramp or the aisles*, as the graduates need to proceed down the ramp and back to their seats in a timely manner. Thank you.

SIGN LANGUAGE INTERPRETER

For your convenience, a sign language interpreter will be located on the stage.

DEGREES AND HONORS

Degrees in the Institute of Technology are awarded with two types of honors. Degrees with distinction and high distinction are awarded automatically to students with grade point averages exceeding 3.75 and 3.90, respectively. The *cum laude*, *magna cum laude*, and *summa cum laude* honors are awarded (upon application) to students who meet certain grade point average requirements and complete special work within the major. Students receiving the Latin honors have completed a senior thesis.

Although great care is taken to ensure the accuracy of the information presented here, there may be unintended errors or changes without notice. *This is not an official University of Minnesota graduation list.*

HISTORY OF TASSEL COLOR

In the late 19th century the Intercollegiate Commission adopted a code of academic dress. Tassel colors chosen had traditional meanings. Science and engineering were given golden yellow and orange to signify the wealth of knowledge produced by research.

This printed program was produced by the Institute of Technology Communications Office in cooperation with IT Student Services.

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, color, creed, religion, national origin, sex, age, marital status, disability, public assistance status, veteran status, or sexual orientation.

This publication can be made available in alternative formats for people with disabilities. For more information call 612-626-7959.



Printed on recycled and recyclable paper with at least 10 percent postconsumer material.

UNIVERSITY OF MINNESOTA

**INSTITUTE OF TECHNOLOGY
COMMENCEMENT**

Friday, May 8, 2009

Northrop Memorial Auditorium

7:00 p.m.

INSTITUTE OF TECHNOLOGY

engineering | physical sciences | mathematics

Program

PRELUDE CONCERT

From 6:30 to 7:00 p.m., the Body and Soul Jazz Ensemble will perform on Northrop Plaza and organist Dean W. Billmeyer will perform inside the auditorium, accompanied by the Beacon Hill Brass.

ACADEMIC PROCESSION

The march of the degree candidates begins at 7:00 p.m. The procession includes representatives of the community, student organizations, alumni, and faculty. Contributions from all of these groups were essential to the education of the students whose accomplishments we celebrate this evening. Members of the 50th year reunion class of 1959 are joining the procession. They and their guests are seated in the front of the auditorium.

The procession is led by: Alan Shapiro, History of Science and Technology, Mace Bearer, and IT Ambassador Flagbearers.

NATIONAL ANTHEM

Please rise and join Laura Perkett in singing the “The Star Spangled Banner.”

WELCOME

Steven L. Crouch, Dean, Institute of Technology
Robert B. McMaster, Vice Provost and Dean of Undergraduate Education

FACULTY AWARDS AND ACKNOWLEDGMENTS

George W. Taylor Award for Distinguished Service

Alan E. Shapiro, History of Science and Technology

George W. Taylor Award for Distinguished Research

David J. Odde, Department of Biomedical Engineering

George W. Taylor/IT Alumni Society Award for Distinguished Teaching

R. Lee Penn, Department of Chemistry

Taylor Distinguished Professors

Lorraine F. Francis, Department of Materials Science and Engineering

James Kakalios, Department of Physics

James R. Leger, Department of Electrical and Computer Engineering

Kenneth R. Leopold, Department of Chemistry

Charles E. Bowers Faculty Teaching Award

Jonathan Chaplin, Department of Bioproducts and Biosystems Engineering

John Bowers Excellence in Teaching Assistance Award

Andrew S. Exley, Department of Computer Science and Engineering

Guillermo E. Borja Award

Stergios Roumeliotis, Department of Computer Science and Engineering

Ada Comstock Distinguished Women Scholar Award
Jane H. Davidson, Department of Mechanical Engineering

*Horace T. Morse–University of Minnesota Alumni Association Award
for Outstanding Contributions to Undergraduate Education*

Doreen G. Leopold, Department of Chemistry
James H. Stout, Department of Geology and Geophysics

STUDENT AWARDS

Paul A. Cartwright/IT Alumni Society Outstanding Student Service Award
Jenna N. Shaw, Biomedical Engineering

President’s Student Leadership and Service Award
Andrew J. Jones, Chemical Engineering
Michele A. Peterson, Biomedical Engineering

Tony Diggs Excellence Award
Aditya Srinath, IT Student Board President
Madeline Magee, Plumb Bob President
Megan Lott, Society of Women Engineers President

STUDENT ADDRESS

“The Bumblebee”
Jenna N. Shaw, Department of Biomedical Engineering

COMMENCEMENT ADDRESS

“Hyper-Change: The Stuff You Need to Know”
Paul Douglas
Father, broadcaster, meteorologist, entrepreneur, and dreamer

PRESENTATION OF THE DEGREE CANDIDATES

Doreen G. Leopold, Horace T. Morse–University of Minnesota Alumni Associate Award
for Outstanding Contributions to Undergraduate Education winner, and
James Kakalios, George W. Taylor Distinguished Professor
will present the candidates for the following degrees:

- Bachelor of Aerospace Engineering and Mechanics
- Bachelor of Science in Astrophysics
- Bachelor of Biomedical Engineering
- Bachelor of Bioproducts and Biosystems Engineering
- Bachelor of Biosystems and Agricultural Engineering
- Bachelor of Chemical Engineering
- Bachelor of Science in Chemistry
- Bachelor of Civil Engineering

continued on next page

- Bachelor of Computer Engineering
- Bachelor of Science in Computer Science
- Bachelor of Electrical Engineering
- Bachelor of Geological Engineering
- Bachelor of Science in Geology
- Bachelor of Science in Geophysics
- Bachelor of Materials Science and Engineering
- Bachelor of Science in Mathematics
- Bachelor of Mechanical Engineering
- Bachelor of Science in Physics
- Bachelor of Science in Statistics

CONFERRING OF DEGREES

The Honorable Patricia S. Simmons, Chair, Board of Regents

CLOSING REMARKS

Steven L. Crouch, Dean, Institute of Technology

MINNESOTA ROUSER

Please rise and join Laura Perkett in singing the Minnesota Rouser:

Minnesota, hats off to thee,
To thy colors true we shall ever be,
Firm and strong, united are we.
Rah, rah, rah, for Ski-U-Mah,
Rah, rah, rah, rah, rah, rah,
Rah for the U of M.

RECESSIONAL

Please remain seated until those in the academic procession have marched out.

MUSIC ON THE PLAZA

Body and Soul Jazz Ensemble

About the Speaker

PAUL DOUGLAS

Paul Douglas is a nationally respected meteorologist, with 29 years of broadcast television and 33 years of radio experience. After graduating with a Bachelor of Science degree in meteorology from Pennsylvania State University, Douglas began his career at Satellite News Channel, a cable TV all-news, sports and weather station based in Connecticut. While at “SNC,” Douglas made numerous appearances on ABC News “Nightline” as a consultant.



From 1983 to 1994, Douglas was employed by KARE-TV in Minneapolis. While there, he began a daily weather column in the *Star Tribune* newspaper. From 1994 to 1997 Douglas was employed by WBBM-TV in Chicago, where he anchored the weather and contributed special reports on topics such as global warming and tornado research. He also appeared on the “CBS Evening News” as a weather consultant.

From 1997 to 2008, Douglas served as chief meteorologist for WCCO-TV in the Twin Cities. He produced a daily weather column for the *Star Tribune* newspaper and Web site through February 2009. Douglas makes monthly appearances on Public Television’s “Almanac” where he discusses current weather trends and issues. He also provides a monthly weather column for *Minnesota Monthly* magazine. Douglas has received a Seal of Approval from the American Meteorological Society (AMS). Recently he passed a rigorous exam to become Minnesota’s first Certified Broadcast Meteorologist recognized by the AMS.

In addition to his successful television career, Douglas is an author and entrepreneur. He has authored two books “Prairie Skies, the Minnesota Weather Book” and “Restless Skies, the Ultimate Weather Book.” In 1989, Douglas founded a software venture called EarthWatch Communications. Several hundred television stations in the U.S. and 20 countries worldwide licensed EarthWatch’s three-dimensional weather graphics technology. In addition to applications for television, Steven Spielberg employed the special 3-D effects in the movies “Jurassic Park” and “Twister.”

Douglas founded Digital Cyclone, Inc (DCI). The “My-Cast” service enables consumers to see location-based weather alerts and hourly weather reports (including Doppler radar, lightning and severe storm tracking) on their personal cell phones, making the weather experience unique for every user. In January 2007, Douglas sold DCI to Garmin, Inc., the leader in global navigation systems, for \$45 million. Douglas also is the founder and CEO of WeatherNation, that produces daily weather feeds for Web sites, cable channels, and TV broadcasters. Douglas is presently director of meteorology for La Crosse Technology where he produces weather video reports for their ambitious, cutting-edge Web site. In addition, he is founder and president of Singular Logic LLC, which is reinventing advertising on the Web.

Douglas has continued to share his story with thousands of people each year through dozens of speaking engagements. His relatable, warm and entertaining approach that people grew to love over his years on-air comes through as he speaks about the weather, life, and his entrepreneurial spirit.

Administration

UNIVERSITY OF MINNESOTA

Administration

Robert H. Bruininks, *President*
E. Thomas Sullivan, *Senior Vice President for Academic Affairs and Provost*
Frank B. Cerra, *Senior Vice President for Health Sciences*
Robert Jones, *Senior Vice President for System Academic Administration*
Kathryn F. Brown, *Vice President and Chief of Staff*
Charles Muscoplat, *Vice President for Statewide Strategic Resource Development*
Rusty Barceló, *Vice President and Vice Provost for Equity and Diversity*
Carol Carrier, *Vice President for Human Resources*
Karen L. Himle, *Vice President for University Relations*
R. Timothy Mulcahy, *Vice President for Research*
Steve Cawley, *Vice President for Information Technology and CIO*
Kathleen O'Brien, *Vice President for University Services*
Richard Pfitzenreuter, *Vice President and Chief Financial Officer*
Mark B. Rotenberg, *General Counsel*
Steven Rosenstone, *Vice President for Scholarly and Cultural Affairs*

Board of Regents

Clyde Allen, Jr.
Anthony R. Baraga
Richard Beeson
Dallas Bohnsack
Linda Cohen
John Frobenius
Venora Hung
Steven D. Hunter
Dean Johnson
David M. Larson
Maureen Ramirez
Patricia Simmons

INSTITUTE OF TECHNOLOGY

Deans and Department Heads

Steven L. Crouch, *Dean*
Wayne Gladfelter, *Associate Dean for Academic Affairs*
Mostafa Kaveh, *Associate Dean for Research and Planning*
Paul J. Strykowski, *Associate Dean for Undergraduate Programs*

Gary J. Balas, *Head, Aerospace Engineering and Mechanics*
Robert D. Gehrz, *Chair, Astronomy*
Shri Ramaswamy, *Head, Bioproducts and Biosystems Engineering (College of Food, Agriculture, and Natural Resource Sciences)*
Robert Tranquillo, *Head, Biomedical Engineering*
Frank S. Bates, *Head, Chemical Engineering and Materials Science*
Jeffrey T. Roberts, *Chair, Chemistry*
Roberto Ballarini, *Head, Civil Engineering*
Vipin Kumar, *Head, Computer Science and Engineering*
David J. Lilja, *Head, Electrical and Computer Engineering*
David L. Kohlstedt, *Head, Geology and Geophysics*
Peter Olver, *Head, Mathematics*
Uwe Kortshagen, *Head, Mechanical Engineering*
Allen M. Goldman, *Head, Physics*
Glen Meeden, *Director, Statistics (College of Liberal Arts)*

Degree Candidates

Bachelor of Aerospace Engineering and Mechanics

Brian Robert Ackerman
Maxime Midouwodji Adjagbe
Daniel Bruce Anderson
Jon Victor Anderson
David E. Appel
Adeniyi O. Aremu
Scott M. Balaban
Dennis F. Bebie
Alan Leonard Bond
**Ben Klingbeil Bradley
summa cum laude
Benjamin Thomas Bradley
Robert M. Cacic
Matthew Charles Campbell
Cody Jay Candler
Siu Cheung Choi
Daniel Leo Cipera
Tyler James Coffey
Lucas Crist
Cullen R. Deck
Nicholas G. Delucca
Haftom Yemane Dessalegn
William Kenneth Dobbins
Steven Chou Eyberg
Scott M. Fairbanks
James Michael Forsberg
Paul Christopher Gabor
Sean Joseph Gamlin
Grace Wanjiku Gathaara
Mike Bradley Gavanda
Jesse M. Gregorich
*Elliott J. Guetzlaff
David Phillip Gustafson
Spenser Michael Halterman
David John Hauth
Joshua William Hogan
*Bryce Cole Holmgren
Jyunkai S. Hu

**Thomas Bryan Jakel
Sean Norman Jarvie
Boris Davidovich Kaganovich
Daniel S. Karls
Parker N. Kienholz
Philip D. Kusler
Isaac Mark Landecker
Michael Joseph Legatt
Christopher Jay Matthews
*Tyler W. McCluskey
Kathryn J. Mcgranahan
Erin Elizabeth Mussoni
cum laude
*Nathan Steven Nasgovitz
summa cum laude
Long Thanh Nguyen
Travis James Noffke
Patrick William O'Gara
Nathan L. Olson
Samuel I. Owings
*Addison Lee Peek
Scott James Peterson
Angela Joy Reesman
Jeffrey W. Richtman
**Riley Patrick Rindt
summa cum laude
Jacob A. Rohrer
Peter J. Rohrer
Jordan Jade Rosendahl
Eric David Rummler
Mitchell D. Ryan
summa cum laude
Richard Stephen Schiell
**Jillian Beth Schmidt
summa cum laude
Nicholas Adam Simon
Cory Ryan Sorensen
Eric Carl Stern
summa cum laude
Matthew B. Stevenson
**Douglas Wesley Storey

Pawel Henryk Swica
Andrew Michael Swift
Derrick G. Tetzman
*David John Towey
Patrick A. Tump
William J. Ung
Scott G. Upton
Stacy Ann Weisenbeck
Andrew D. Welsh
Jacob Michael Wiederin
Brandon J. Wiegert

Bachelor of Science in Astrophysics

**Vanessa P. Cheesbrough
magna cum laude
Nicholas G. Delucca
Eric R. LeJeune
Katie E. Leonard
Michael Jon Lundquist
Adam J. Preiwisch
Tessa Sylvia Vernstrom

Bachelor of Biomedical Engineering

Janine Y. Abouaish
Brian Charles Andreen
Charles A. Baker
Ashley Nicole Bartlett
David Alan Berry
Lauren M. Boerboom
Meagan M. Buechel
Brittany E. Bye
Brandon M. Casadecalvo
Nathan D. Chamberlain
Lynn Eleanor Clark
Jesse A. Comb
Renee Ann Croatt
**Erica S. Delin
Khoa Dang Dinh

* with distinction

** with high distinction

Tristan Patrick Driscoll
Matthew Patrick Eastman
Esra Erkol
Farshad M. Farzanehkia
Angela J. Forrest
Eric A. Furlich
Michael James Gerger
David M. Goldman
Jonathan Albert Gonia
Patrick James Gordon
Diana M. Groschen
Erik M. Gudmundson
Jami Anne Hegrenes
David Lee Hendrickson
Justin James Herbert
Christopher Thomas Hilleshiem
Matthew J. Hoffman
Michael Edward Hoppe
Justin H. Huelman
Nobufumi Kadoyama
Steven Paul Kiviahde
Taylor Gene Koenig
*Emily A. Krogstad
Sung Kwon
Dong Won Lee
Michael Joseph Legatt
Luke T. Lehmann
Charles John Lenz
Edison Y. Lin
Aditya Sriram Rao Lingampally
Seong Kwon Lyu
Christopher Allen McKay
Lee Andrew Meier
Michael Thomas Meloche
Tina M. Nagel
Paul Michael Narr
Arun Nemani
Maria A. Nguyencong
Hika Nono
Maureen Elizabeth O'Connor
Kwaku Nyame Opoku

Vinila Penmetsa
Jackie H. Pham
Tyler John Rattray
James F. Rodriguez
Paul J. Rustad
Jared J. Savela
Daniel Lee Schober
Ian J. Schorn
Zarek Ronald George Schultz
Alicia Lynn Schwanbeck
*Salma Mahmoud Shaker
Jenna Nicole Shaw
Corey Robert Shoup
Jamie Lee Skoglund
Chelsea Elizabeth Steinborn
Nicholas Andrew Strom
Brian E. Therens
Corinne Barbara Thomford
Irene Thanh Tran
Eric Y. Tseng
Kong Vang
Troy Michael Velie
An Ngoc Hoang Vu
*Brian M. Weynand
Erica Marie Wohlers
Yasin A. Yusuf
Aaron Jon Zimmer

Bachelor of Bioproducts and Biosystems Engineering

Effe Naa Adorkor Ankrah
Riley J. Bilgo
Andrea Rose Cook
Angela Marie Gorham
Adam William Kiefer
Sonia Kunnathur
**Peter Bjorn Rugroden
Troy A. Schaar
Joseph Jeffrey Schaller
Rose Marie Stenglein
Emmanuel Yeboah

Bachelor of Biosystems and Agricultural Engineering

Allison K. Jonjak
Scott Andrew Kuhlman
Thomas Peter Miller
Nicholas John Moore
Steve C. Wang

Bachelor of Chemical Engineering

Rebecca Dee Alm
Edward Spencer Anderson
Paul Michael Anderson
Adam J. Bartel
Brian John Blonigen
Benjamin Charles Brady
Bradly Alan Burton
Nisha Chaisilwattana
Prakash Kumar Chatterjee
Alison L. Cozad
Lewis David Craft
Ross David Crain
Peter Daniel Crosswell
Timothy Foley Culverhouse
Andrew Thomas Cunningham
Evan Leigh Cuthbert Estrine
Bradley Thomas Cyr
Neal J. Dahlheimer
Nicholas M. Davern
Jason Michael De Florin
Daud Djajasuprato
*Laurie Beth Drews
summa cum laude
Brian E. Duncan
Ekundotun Stephen Ekunsanmi
*Courtney Meryl Lomker Elm
summa cum laude
Marc H. Flodquist
John Coyne Gabriel
Revita Gunadi
Daniel J. Hagen
Brady Paul Haislet
Andrew Lee Helm

Thane E. Hemish
Steven D. Hendrey
Darius Bahtiar Jaya
**Andrew J. Jones
summa cum laude
Michael Kyle Kaster
Kyle Wilson Keller
Elizabeth Rose Kiesel
*William John Knaeble
Leo A. Kucek
William J. Kuduk
Neel Sudhir Kulkarni
Sang-Il Kwon
Jeffrey Nii Lantei Lamptey
John Robert Ledder
Peter Lewis Frank Lien
Laura B. Luchka
Andrew David MacRostie
Chandini Mandan
Spencer Donald Martin
Akshay Uday Mathkar
Samuel Ryan McGhee
Molly Elizabeth McGurk
Jonathan Everett Milton
Anubhav Modi
Emily Melissa Moeller
Jin Hong Mok
Joel L. Monroe
Paul B. Morrison
Jacob A. Mueller
Michael M. Mueller
Jimmy An Nguyen
Abimbola Oluwatosin Odufuye
*Brandon John O'Neill
summa cum laude
Joseph W. Petefish
John Paul Raygor
Timothy Carl Reid
Robert Reinder Ritsema
Thomas Jonathan Roberts
Christopher B. Rognrud
Michael Joseph Ruether

Nicole Paige Salane
Shalene Sankhagowit
Kimberly Irene Sauer
TingTing Shan
Karen Susann Stone
Nicole Marie Sullivan
*Christopher John Tervo
summa cum laude
Scott Thomas Trantina
Cong Trinh
Joshua Emmanuel Tschetter
David Lee Um
**Eric Allen Vandre
Linisia Zefanya Wahyudi
Renee Kaye Welch
Brandon Kyle Wexler
Michael J. Wisnoski
magna cum laude

Bachelor of Science in Chemistry

Gbenga Jeremiah Akinola
Oluwatoyin T. Alowonle
Nathan James Alpert
Stephen Anderson
Grant Charles Armstrong
Laura Dale Asmuth
Megan Fay Babcock
Linzey Ann Bachmeier
Marcus Calvin Becker
Robert John Berscheid
Andrew J. Bochat
Miseung Borgers
Quang-Thinh Phan Cao
Derek Orlin Colwill
*Christina Danielle Cowman
summa cum laude
Martin Daniel Donakowski
Brian M. Dunker
Brandon J. Dvorak
Brandon William Eilers
Ekundotun Stephen Ekunsanmi
Daniel Wayne Franke

Matthew J. Giles
Christine Frances Grewe
magna cum laude
Joseph Curtis Gunnerson
**Christopher Randolph Hanson
Hale
Christopher J. Hall
Adam W. Hauser
Patrick Kevin Hoard
Patrick Huang
Benjamin James Hunt
Alexander J. Johansson
Amber Marie Johnson
*Boramy Kim
Nicholas T. Kirby
Abigail Elizabeth Kopan
Jennifer Lynn Kostroski
Brandon A. Koury
Nishant Chanan Kumar
Aimee Kwong
**Laura Hsi Kwong
summa cum laude
**Chad E. Larson
summa cum laude
Joshua M. Lee
Andrea J. Lehner
Xiong Lor
Derek Michael Maanum
Andrew David MacRostie
Joseph Tor-Bjorn Masrud
Isaac David Mitchell
Abbas Allyakber Mulla
David S. Nedrelow
Michael Adeolu Okuneye
Katie Lynn Oldeen
Beryl Kwamboka Ombaso
*Joseph H. Ostrowski
summa cum laude
Rita M. Otto
Chan W. Park
Unmil Gaurang Patel
Tariq Rashid
Manar F. Reda

* *with distinction*

** *with high distinction*

Michael Joseph Ruether
Jeffrey Lee Schunk
Arick McCue Severson
Alex Michael Siems
Patrick Ryan Simpson
Nathan J. Sokolowski
Yared Kebede Tadesse
Nhatquynh T. Tran
Matthew Txam Vang
*Alexander J. Wagner
summa cum laude
Hussein Ebro Waliye
Erin Elizabeth Weiland
Renee Kaye Welch
Emmanuel Yeboah

Bachelor of Civil Engineering

Ahmed Ali Ahmed
Drew Michael Andersen
Jeffrey Ryan Anderson
Cory Robert Ascheman
Jasmine J. Austin
Brian Jacob Bell
Luis Alberto Berrospid Aguilar
Peter F. Blake
Benjamin R. Borree
Charles L. Boyd
Nathan James Braman
Patrick Edward Brockamp
Ryan Thomas Burfeind
Jordan T. Cabak
Joanna Kelley Campbell
Nathan G. Cantley
Anthony James Christensen
Nathan LeRoy Christensen
Matt J. Christie
Michael Bandera Collins
Michael B. Cremin
Andrew Wade Dammer
Kirk Thomas Davis
Quianna Raye Dolney
*Mark Christopher Dumannn

Joshua Michael Elder
Michael Alan Elder
Clayton Andrew Engel
Babak Eradat-Oskoui
Jacob Hendrik Willem Folkeringa
Bryce Russell Frandrup
Rachel L. Gaulke
Eric Shigeru George
Clayton J. Gripp
Michael Anderson Groh
cum laude
Paul Daniel Gronvall
Daniel William Grothman
Teigan Ann Gulliver
Gerard J. Hahn
*Max Meyer Halverson
Kenneth Roger Hansen
Gregory Robert Harding
Shane A. Hassing
Benjamin J. Hobert
Mitchell R. Hoeft
Charles Michael Holley
Luke Warren Israelson
Adam Joel Jeppesen
Matthew J. John
Katelynn M. Johnson
Peter Nicholas Johnson
*Lina Kelpsaitte-Fish
Shahin Khazrajafari
Rudy Yeun Kim
Lukas James Kjolhaug
Shannon Marie Koenig
Danielle M. Kranz
Narom Kuoch
Hoang William Le
Ryan Stephen Loos
Megan N. Lott
Mark Douglas Luckhardt
Emily Ann Lueth
*Elizabeth Campbell Manning
Jacob T. Martin
*Kelly Rose Matson

Kurtis David McIntire
Megan Marie Mealman
Anthony Thomas Mehr
Hussein A. Mohamud
Adam Christopher Montain
David Eric Morrison
Danial Adam Mularoni
Adam Carl Neeck
Patrick Richard Nevison
QuangPhuc Lien Nguyen
Elizabeth Ann Nickel
Sarah Ann Noe
Laura Cathleen Ohman
Justin John Olson
*Leah Marie Olson
summa cum laude
Nicholas C. Olson
Mukhtar Ahmad Osman
Abdou Harissou Ouro Bang'Na
Nassam
*Shawn A. Patnode
Alex Joseph Peritz
Chris D. Peters
Diego Ponce de Leon Barido
cum laude
Joseph Dean Pond
Almin Ramic
Thilanga Priyanjan Ratnayake
Michelle M. Ross
Stephanie Marie Ryno
Garrett J. Schreiner
Anthony Joseph Schrempp
Lee Michael Sexton
Jesse Ray Sich
Brenton Thomas Smith
*Paul R. Smude
Scott John Smyth
Adam Michael Stenberg
Michael John Stevens
Isaias Petros Tesfamichael
Ryan S. Thelen
Adam Michael Thiele

Hoang Vu Nguyen Trinh
**Jacob Andrew Turgeon
summa cum laude

Nariman Jon Vanaki
Todd R. Vandegrift
summa cum laude

Nelson Kou Vang
Steven D. Vedder
Andrea Christina Viteri-Narvaez

Myles Anthony Vollmer
Mark Andrew Wagner
Scott Edward Wall
Andrew John Wiatros
Daniel Jeffery Wilke

David K. Yang
Kham sai Yang
Mao Yang
Nicholas F. Zoller

Bachelor of Computer Engineering

Patrick Burns Albersman
John David Backes
James Joseph Barr
Jerrad D. Bieno

Matthew James Carr
Ahmed Hassan Daoud
Dustin Bradley Douglas
Danielle Marie Eastberg
Michael Daniel Jackson

Steven J. Johnston
David R. Juba

Dean Anthony Kariniemi
Skyler Robert Kehren
Sean Timothy Kelly
Brian James Larsen

Samuel George Larson
Nicholas Odin Lien
Yevgeniy Madolimov

Nicholas S. Miller
Christopher John Muster

**Anthony John Nowatzki
Matthew William Nuernberg

Kevin J. Oberg
Robert Gamble Pittelkow
Sean Alexander Prada
Edwin Sallah

Andrew Saunders
Jonathan D. Sellers
Hong Ping Shea

**Adam Michael Shea
Simon Paul Spottiswoode

Calvin Michael Tam
Erik Jon Tidemand
Jonathan G. Wawra

Bachelor of Science in Computer Science

Collin Michael Anderson
Daniel S. Anderson
Drew P. Anderson

Erik Benjamin Anderson
Michael J. Anderson
Christopher Matthew Arnold
Trevor Alexander Vadnais Bain

Peter J. Bajurny
Michael R. Bann
Timothy J. Barton

**Paul Edward Baxter
summa cum laude

Svetlana Bhattacharyya
David John Bielejeski
Daniel Thomas Birmingham
Thomas Davies Bishop

Jesse Alan Bochniak
Alan Leonard Bond
Nathaniel J. Born

Matthew David Bosio
summa cum laude

Marc Boyer
Steven M. Bruce
Brent Thomas Brunner

Peter B. Busse
*Michael Emmet Cameron Jr.
summa cum laude

Mathias Scott Carlson
Yeu-Hsiang T. Cheng
Maxwell Donald Collins
Jeremiah D. Cone

Charles M. Curtsinger
Eric Joseph Deters
Troy Jerome Dey

Simon Diep
Michael Svendsen Doyle

Ilya A. Feldshteyn
Andrew J. Ferik

**Loren F. Fiore
summa cum laude

Andrew J. Fleming
*Stephen Paul Florentino
Joseph Peter Forte

Karl Allan Fosaaen
Robert J. Foster

Jane Milad Ghattas
Charlie J. Ginsberg
Alexander Gitelzon

Andrew Michael Goettl
Michael C. Gressman
Nelson William Harris

Kyle V. Haus
John A. Healy

Michael Lawrence Heltemes
Perry A. Hemmingsen
Jeffrey Thomas Hill

Liem Thanh Ho
Jason Eric Hoffoss

Thinh Huynh
Robert Gregory Jahn
Jonathan Joel Jarosack

Nicholas A. Johnson
Benjamin Michael Jordan
Neil D. Joyer

Michael Sathre Kaeding
summa cum laude

*Sean Patrick Kapisak
Justin Zachary Keller

* *with distinction*

** *with high distinction*

**Matthew J. Kokotovich
summa cum laude
Ken S. Kragh
*Morgan Orion LaMoore
Daniel Raymond Lamotte
Todd Edward Lanis
Adam Lee Larson
Alexander Garrett Lau
Frederick W. Lewis
Adam R. Linkon
Evan Grau Long
Nong Y. Lor
Kenny S. Luk
Kristofer D. Marose
Steven D. McAdams
James Arthur McCusker
Stefan Ross McDaniel
Andrew Timothy Merkouris
**Grant D. Miller
Kittu Mishra
Andrew Stillman Nelson
Andy Phong Nguyen
**Anthony John Nowatzki
Andrew William Nystrom
Noah Curtis Odland
Jeremy Robert Olexa
Jonathan Louis Oman
Brenton Lowell Pahl
Adam Joseph Paolo
Travis R. Pavek
Jerod J. Pekuri
Ruben G. Perez
Andrew Moyer Petersen
Stephen S. Ponce
Victor Racsa
Adam Paul Ranfelt
Aaron Douglas Reisman
Phillip Ryan Rickert
*Abby R. Riesterer
Jose A. Rivera
Kyle D. Robson
Eric Christopher Rooney

Michael Shodekeh Rose
Joseph William Ryan
Mitchell Thomas Sans Souci
Eric Christopher Schmit
Christopher M. Seeling
Rebecca Ruth Severson
Payam Shokohi
Jeffrey Louis Simkins
Andrew S. Skrei
William Tyler Skrei
*Matthew Paul Soukup
summa cum laude
Paul Michael Stevenson
Timothy Brian Stucki
Tsigereda M. Teklu
Amos Barnabas Thiele
Micah Charles Thomas
Uriah N. Thornes
Quoc N. Tran
Chi-yang Tsao
Timothy D. Underbakke
Zachary Alexander Valentiner
Matthew Vermaak
David Charles Westover
Patrick Joel Weygand
Byron Wong
Douglas R. Young

Bachelor of Electrical Engineering

Brady Donald Anderson
Samuel Opare Annor
Hameed Ryah Atia
Jeffrey A. Aymond
Ektoras Bakalacos
Donald R. Banks
Adam Thomas Beherns
Alexander William Behrens
Kevin A. Bonneau
Dorsana Borbaruah
Marcus D. Braun
Michael J. Brown
Robert C. Bushey

Michael D. Caron
*Jeffrey Hao-Wei Chang
magna cum laude
Charlie P. Chen
*Heon Hwa Cheong
summa cum laude
Peter Henry Christensen
Ashley Elaine Cotton
David P. Craton
Daniel Joseph Dady
Ahmed Hassan Daoud
Naw Din
Kabir Adedeji Dogubo
Branden Thomas Duncan
Ali Mohammed Elkhatib
Christopher Chan Em
Netsanet Alemu Erena
Ahmed Yusuf Farah
Brady Keith Fast
Matthew Richard Fleck
Jesse Paul Gondek
Patrick Zebulon GrandPre
David T. Grilli
*Shady Jim Michael Asha Gross
*Matthew A. Guglielmi
Eric S. Gupta
Jonathan D. Harms
*Brian M. Henke
Patrick M. Hermans
Alicia A. Horn
Jeff Shang-Lun Hsiao
Shane Patrick Hudak
Christopher Michael Hunter
Michael Daniel Jackson
Timothy P. Jesberg
Seth Jared Johnson
Jairus S. Justus
Mark A. Jutz
Junmeet Singh Kapoor
Krishna Prashanth Karnamadakala
Garett A. Kauer
Solomon A. Kebede

**Tissana Kijsanayotin
summa cum laude
Nathan P. Kot
Jennifer Jo Krohn
Piyush Kumar
*Morgan Orion LaMoore
**Andrew Evans Larson
Hans Peter Lillevoid
Joseph William Loubert
summa cum laude
Sameh Mohammed Loulou
Michael Ellas Lundy
Jin Dong Loney Ma
Adam John Malovrh
*Rigel James Menard
Yezihalem Mesfin
Thomas William Meyer
Abdulrahman Mokdad
Mohammed-Ali
Jersin Nguetio
Oluwasanmi Samuel Olowoyo
Abdulrazzaq Ibrahim Omar
Brandon N. Oslund
Christopher J. Ouchagour
Dhiren R. Patel
Aaron David Pennington
Nha Duy Phan
Curt Jerome Plzak
Sean Alexander Prada
Jacob Roger Quant
William Clayton Reynolds
*Adam J. Reyzer
Daniel P Richardson
Shannon Ray Roberts
Phiroun Sar
Matthew K. Saterbak
Jeffrey Robert Sawicki
Mohamed Ali Sayem
Ryan J. Schmidt
*Dan Michael Schoppe
summa cum laude
**Eric L. Severson
summa cum laude

Elsayed G. Shamekh
**Adam Michael Shea
Halit Saruhan Silahyurekli
**Joseph Stansbery
Tyler James Stinson
*Casey M. Stoll
summa cum laude
Andrea K. Struss
**Mithun R. Suresh
summa cum laude
Morgan Charles Sveen
Nicholas S. Taylor
Brent Jeffrey Thomas
Jodene Margaret Thomas
Hiep Cong Tran
Emen Ufot Udoh
Michael J. Vanous
Samuel Joseph Varghese
Alex H. Wagner
Shuohan Wan
Joseph P Wax
Youyou Wu
Birin Yucesan
Erik M. Zimmerman

Bachelor of Geological Engineering

John Richard Farmer
Jason R. Foss
Jonathan Kania
Donovan Edward O'Connor
Luke Schmidt
Eileen J. Weigel
*Bridget J. Wolfe

Bachelor of Science in Geology

Nur Azreena Ab Ghafar
Saiful Adli Ahmad Hawari
Matthew P Baker
Jason D. Dally
Mohamad Hafiz Damanhuri
John Richard Farmer

Lillian Elizabeth Gorman
Mohd Faris Hashim
cum laude
Farhana Jaafar Azuddin
Eric Leo Johnson
Katie Jane Johnson
Nathan Ryan Kennedy
Aaron J. Lingwall
Alexander Kevin Morrison
Spencer R. Niebuhr
Nicholas Matthew Olson
Mohamad Muzzammil Othman
Noor Aznida Razali
**Ryan D. Swanson
Drew D. Syverson
Nurmaliza Tukimin
Molly J. Wick

Bachelor of Science in Geophysics

Nur Azreena Ab Ghafar
Saiful Adli Ahmad Hawari
Matthew P Baker
Jason D. Dally
Mohamad Hafiz Damanhuri
Girard Wayne Goder
Mohd Faris Hashim
cum laude
Farhana Jaafar Azuddin
Eric Leo Johnson
Nathan Ryan Kennedy
Alexander Kevin Morrison
Mohamad Muzzammil Othman
Noor Aznida Razali
**Ryan D. Swanson
Drew D. Syverson
Nurmaliza Tukimin
Matvey S. Vikhrov

Bachelor of Materials Science and Engineering

Alan Pol Bagwell
Patrick Joseph Cleaver

* *with distinction*

** *with high distinction*

Michael D. Dussault
Justin Alexander Fernandez
Jared Lewis Galligan
Stephanie Gong
Travis J. Halverson
Bonhong Ku
Sheila Ann Lexvold
Anthony Paul Lindert
Levite Nicholas Loesch
Christin Ann Mertens
Thomas P. Miltich
Loc H. Nguyen
Luke M. Rodgers
**Amelia Ann Schendel
Tiffany L. Smith
Peter John Sylvestre
Joshua Xamao Xiong
Andrew Blake Yankovich

Bachelor of Science in Mathematics

Jacob Matthew Agrimson
Gabriel S. Aldridge
Adil Ali
Matthew Glen Arnold
Michael R. Bann
**Paul Edward Baxter
summa cum laude
Nichole R. Beck
Eric Michael Betzold
Svetlana Bhattacharyya
Emily R. Blomer
Nathaniel J. Born
Marcus D. Braun
**Daniel T. Brinkman
summa cum laude
Joseph P. Busch
Tyler Joseph Carmichael
*Dorothy Shuien Cheng
*David James Christle
summa cum laude
Eunki Chun

Allen Evan Chung
Maxwell Donald Collins
Jonathan Charles Currier
*Sarah E. Dallmann
Matthew T. De Blicek
Lisa L. Delo
Jacob Dale Dority
David Ronald Fake
Lisa Marie Faue
*Patrick David Fingerson
**Loren F. Fiore
summa cum laude
Andrew L. Greseth
Monique Victoria Teresa Hladun
Jeremy John Hunt
Christopher Lee Jensen
Andrew L. Johnson
Jenna Leigh Johnson
Timothy Michael Johnson
Christopher David Juhlke
Andrew Michael Keeley
Elizabeth Marie Knutson
Katherine M. Kunik
Sang-Il Kwon
Katie E. Leonard
Charles Raymond Liebling
Joseph William Loubert
summa cum laude
Collin James Malaney
Patrick Shaun Martin
Rodgers Okeyo Masese
Travis L. Maxfield
Colleen F. Murray
Kurt Adam Neuburger
Andrew William Nystrom
Daniel Howard Nissim Ojalvo
Paul R. Peterson
Michael Jay Justin Reiff
Chad R. Rempp
Joshua William Schmidt
Troy Allan Schulze
Benjamin David Sexton

Jennifer Clare Hee Yeong Kim
Smith
Andrew J. Steyer
Mark William Stier
Gregory Alan Taipale
Michael Gregory Tomatz
Scott Thomas Trantina
Jeremy Nathaniel Tremblay
Jan-Samuel Wagner
Michelle Marie Willett
Brick Charles Paul Winn
Gary Wong
Fadi M. Zain

Bachelor of Mechanical Engineering

Mohd Azman Ab Aziz
Amir Rizan Abdul Rahman
Raihan Abu Bakar
Jason Thomas Anderson
Mark David Arcand
Jesse Alan Aultman
Jay Thomas Axness
Mohd Raimi Ayob
Scott Patrick Beard
Isaac Daniel Beaver
Ryan Allen Becker
Charles Thomas Beckey
Corey S. Bergendahl
Timothy C. Bettger
Tyler Mathew Bies
Jeffrey P. Boodry
Daniel Layne Boots
James David Bouley
*Justin Lowell Caldwell
*Andrew James Carlson
Steven Thomas Carlson
Jacob A. Cerny
Hong C. Chan
Shinhu Cho
Chad F. Colsch
Michael Andrew Coney

Kelly Marialyce Costello	Robert Michael Hoskin	*Mohdfaizal Matyusof
Peter A. Costello	Blaine Aaron Hust	Charles Harris May
Nathaniel V. Cote	Joshua Michael Jacobs	Nathaniel Ray McNichols
Brandon E. Creager	Gauri B. Jadhav	Erik Robert Megow
Faraz Currimbhoy	Lin Jiao	Matthew Diercks Menzel
Brian J. Davis	Nicholas Dean Johnson	Curtis Kevin Miller
Steven Douglas Dehn	Steven Michael Johnson	Luke Arthur Mitlyng
James Stuart Doll	Catherine Christina O'Brien Joyce	Mohamad Faizal Mohamad Tahir
Daniel William Doubek	Sunghun Jung	Mohd Norizwan Mohd Amin
Kyle Hampton Duesenberg	Kyle Nathan Kacer	Mohd Izzat Mohd Thiyahuddin
Benjamin R. Dupslaff	Alexander Halley Kado	John Denton Morgan
Winston Howard Elliott	Jesse Brandon Kakstys	Jonathan David Mueller
Rozaane Ellis	Kristopher Ian Kapphahn	*Joseph Matthew Mullenbach
*Christopher M. Engelmann	Kent David Katterheinrich	Ryan Michael Murphy
Daniel G. Engstrom	Ellison Gordon Kawakami	Bryan J. Myers
Robert J. Erickson	Mark Steven Kelley	Raza Nehal Najmuddin
Stephen Daniel Erickson	Kyle Aaron Kettering	Jonathan Scott Nelson
Gary S. Erzberger	John Thomas Kleifgen	Samual Francis Newbauer
Teya Joanne Evans	John Leroy Konopa	Ilia A. Nikiforov
Shelley Jean Fabry	Brian W. Kornis	Philip Edward Novak
David Curtis Fairchild	Benjamin John Koser	Trent T. Novak
Adam Paul Felber	**Alex J. Kossett	Travis A. Ohlgren
Ella Suzanne Field	<i>summa cum laude</i>	Lyle Anthony Olberding
Tyler D. Fuchs	Andrew T. Kukowski	Krunal Dhirubhai Patel
Nathan John Geffre	Joshua D. Lais	Juli K. Pearson
Clinton Scott Goetze	John David Langevin	Ryan Mark Petersen
Cloid E. Green	Melissa Eleanor Larsen	Drew Gregory Peterson
Hocine Haddad	En Lee	Reece Farah Peterson
Scott A. Hansen	Soo-Young Lee	Tara L. Pierce
Lucas A. Harder	Adam Nicholas Lewis	Michael Paul Piette
Zachary Luke Harder	Brian Chun Ho Li	**Tracy A. Powell
Daniel M. Hatzung	Ke Li	<i>summa cum laude</i>
Nicholas J. Haupt	Lars Johan Lisell	Sean Michael Pruden
Christopher T. Heaver	*Jason William Loeffler	Brian David Ramnarain
**Adam James Heinzen	Thomas Joseph Lulic	Mohd Azwan Rashid
Eric Nicholas Edward Heitmann	David Martin Lunde	Andrew Allen Reese
Kyle R. Herman	Nicholas Peter Luyster	Christopher Eric Rheineck
Hibbert A. Hill	Thomas Magnuson	Christopher Adam Riemer
David Paul Hoffman	*Elyse M. Malherek	Christopher Adam Root
Michael Maurice Holahan	*Timothy Leonard Marquart	Mohd Naeim Rozak
James D. Holmberg	Brett Robert Massee	**Christopher James Sande
	Patrick James Mathiesen	Robert Tyler Sandgren

* *with distinction*

** *with high distinction*

Edwin Sanjaya
Wilson Santiago
Daniel John Sauber
David L. Sawatzky
Vernon Akilagpa Sawyerr
Justin B. Scheibel
Samuel Blake Schibonski
Reilly Jay Schoo
Ryan Lawrence Schott
Nicholas J. Schrag
Jeremy D. Scott
Yuhyen Seah
James J. Shimek
Chris R. Spartz
Aditya Srinath
Alexander U. Staelvonholstein
Paul J. Stanton
Nathaniel R. Stark
Daniel C. Starken
Dane P. Stimart
Dustin Thomas Striebel
Scott A. Sturm
Englong Tan
Andrew Kevin Thomforde
Brenen Gene Thul
Mikhail Borisovich Tikh
Peter A. Tomfohrde
Tai Chan Tran
Joseph David Udvari
Danielle Jo Unruh
Michael Anthony Vanacora
Steven Vuong
Rory Sheehy Walker
**Erik Michael Weatherly
Kyle B. Wennersten
Ben Michael Wilke
Adam Stephen Wisker
Michael John Woodson

Yuyan Xiang
Seng Xiong
Jenny Leigh Yochim
Cole R. Young
John Martin Zaleskas
Melissa Sue Zubke

Bachelor of Science in Physics

Brady Donald Anderson
Nicholas M. Becker
**Daniel T. Brinkman
summa cum laude
**Vanessa P. Cheesbrough
magna cum laude
*David James Christle
summa cum laude
*Christina Danielle Cowman
summa cum laude
Alexander R. Cram
Nicholas S. Eggert
summa cum laude
Joshua Alexander Ellis
James Lee Erickson
David Ronald Fake
Amy E. Fleischhacker
Timothy M. Giesecke
**Samuel L. Gleason
Roger Jepson
Kyle W. Johnson
*Daniel J. Kennedy
summa cum laude
Kevin Benjamin Klutzke
John Francis Kosowski
Karl Ronald Koth
Michael Joseph Legatt
Katie E. Leonard
Jeremy Ryan Lewis
Dustin Eldon Lorshbough
Michael Jon Lundquist

Stephen Elliott Martin
magna cum laude
Travis L. Maxfield
**Jesse Earl McCaffrey
*Craig Joseph Muckenhirn
summa cum laude
*Adam P. Pieterick
Adam J. Preiwisch
Lisa Bernice Ritter
Ashley Anne Rumney
Andy L. Schofield
Adam James Svenkeson
Michael Gregory Tomatz
**Matthew Thomas Weinberg
summa cum laude
Matthew Allen Williams
Justin P. Wilson

Bachelor of Science in Statistics

Aaron Gordon Anderson
Michael Jon Anderson
Eric Michael Betzold
Sarah Ann Brennecke
*Dorothy Shuien Cheng
Eunki Chun
Khoa Dang Dinh
David Ronald Fake
Matthew Gottsch
Andrew L. Greseth
Rodrigue Herve Ketchaya
Dong Won Lee
Michael Resson
Taufik Saputera
Alassane Savadogo
Susanna Yan Sun
Spencer Szeto
Brian J. Welshons
*Wen Zhang

Ten Ways to Stay Connected

to your alma mater

- 1 Participate in the University of Minnesota Alumni Association.** Take advantage of your free one-year membership in the UMAA and the Institute of Technology Alumni Society.
- 2 Update your e-mail and mailing addresses.** Contact the University with address changes by sending an e-mail to alumnimembership@umn.edu or update your own information by visiting www.alumni.umn.edu/updateinfo.
- 3 Support scholarships for current students.** With your help the Institute of Technology can meet the ongoing challenge of inventing tomorrow. Visit www.it.umn.edu/alumni/giving/ to find out how you can give back. Also plan to attend the annual Science & Technology Banquet, a corporate networking event and fundraiser held each spring to raise money for student scholarships. Visit the IT Web site at www.it.umn.edu/alumni for details.
- 4 Keep up on the latest news.** The Institute of Technology distributes a monthly e-newsletter called *ITems* and mails a semi-annual news magazine called *Inventing Tomorrow* to alumni and friends. After joining the UMAA, you also will receive *Minnesota* magazine, a compendium of news, articles, and information covering the entire University.
- 5 Advocate for University issues.** Stay informed and help the University by joining the UMAA Legislative Network. Visit www.supporttheu.umn.edu for more information.
- 6 Meet fellow alumni.** Network with alumni professionals through the Institute of Technology Alumni Society Board of Directors. Call 612-626-1802 for details.
- 7 Mentor students.** The IT Mentor Program matches current students with working professionals to enhance professional development. Register this fall at www.it.umn.edu/mentor.
- 8 Grow professionally.** The Career and Lifework Center will help you determine what's next for you and how to get there. Visit www.cce.umn.edu/career or call 612-624-4000 for more information.
- 9 Wear your U of M sweatshirt on Maroon and Gold Casual Fridays.** Show your school spirit and support for the U by wearing Gopher gear.
- 10 Share your news.** Let us know about your personal and professional life by sending information to IT Alumni Relations, 105 Walter Library, 117 Pleasant St. SE, Minneapolis, Minnesota 55455 or via e-mail at itas@umn.edu.



UNIVERSITY OF MINNESOTA

INSTITUTE OF TECHNOLOGY

engineering | physical sciences | mathematics