

Spring 5-31-2003

2003 Rose-Hulman Institute of Technology : One-Hundred and Twenty-Fifth Commencement

Rose-Hulman

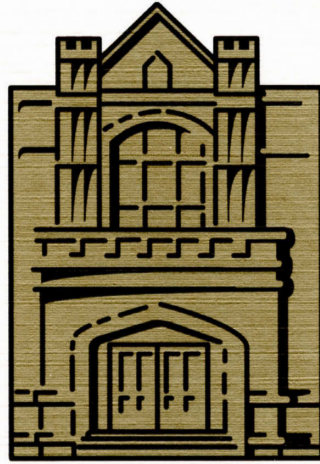
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Rose-Hulman
INSTITUTE OF TECHNOLOGY

*One Hundred and Twenty-Fifth
Commencement
May 31, 2003*

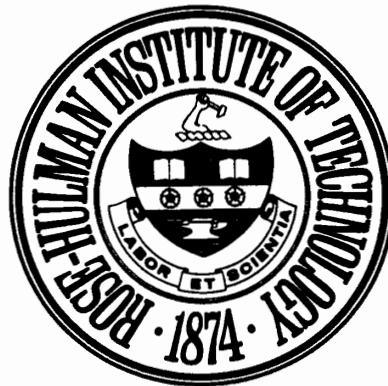
One Hundred and Twenty-Fifth

Commencement

of

Rose-Hulman Institute

of Technology



11 a.m., May 31, 2003
Sports and Recreation Center

2003 Commencement Program

Prelude	.....	<i>"Crown Imperial"</i> by William Walton
Academic Procession	.....	Peter A. Gustafson, B.S., M.S. <i>Marshal</i>
Processional	.....	Indianapolis Emerald Society Firefighters
Master of Ceremony	.....	Benjamin A. Giant <i>President, Student Government Association</i>
National Anthem	.....	Rose-Hulman Chorus
Invocation	.....	Eric C. Soller <i>Secretary/Treasurer, Blue Key</i>
Greeting from Alumni	.....	Owen H. Meharg, B.S. <i>President, Alumni Association</i>
Response from Senior Class	.....	Ryan C. Brown <i>President, Senior Class</i>
Introduction of Commencement Speaker	.....	Alison M. Burgess <i>President, Blue Key</i>
Commencement Address	.....	T. M. (Tim) Solso <i>Chairman and Chief Executive Officer, Cummins, Inc.</i>
Awarding of Heminway Medal	.....	Arthur B. Western, B.S., M.S., Ph.D. <i>Vice President for Academic Affairs</i>
John T. Royse Award	.....	Peter A. Gustafson <i>Vice President for Student Affairs</i>
Herman A. Moench Distinguished Senior Commendation	.....	Keith E. Hoover B.S., M.S., Ph.D.
Awarding of Honorary Degrees	.....	Samuel F. Hulbert, B.S., Ph.D. <i>President of Rose-Hulman Institute of Technology</i>
Anton Hulman George, (Doctor of Engineering), Introduced by Dale S. Bremmer, B.S., M.S., Ph.D.		
Eric K. Mooney, M.D. (Doctor of Engineering), Introduced by Christine Buckley, B.S., M.S., Ph.D.		
Joy Sacopulos, (Doctor of Humane Letters), Introduced by William J. Eccles, B.S., M.S., Ph.D.		
T.M. (Tim) Solso, (Doctor of Engineering), Introduced by M. Patricia Brackin, B.S., M.S., Ph.D.		
Presentation of Fifty-Year Commemorative Degrees	.....	Samuel F. Hulbert
Conferring of Degrees	.....	Samuel F. Hulbert
Outstanding Graduate Thesis Award	.....	Daniel J. Moore, B.S., M.S., Ph.D.
Dean's Outstanding Teacher Award	.....	Arthur B. Western
Board of Trustees' Outstanding Scholar Award	.....	Clyde F. Willian, B.S., J.D. <i>Chairman of the Board of Trustees</i>
President's Outstanding Service Award	.....	Samuel F. Hulbert
Alma Mater	.....	Rose-Hulman Chorus
Benediction	.....	Amy M. Haymaker <i>Vice President, Blue Key</i>
Recessional	.....	<i>"Now Thank We Our God"</i> by J.S. Bach
Postlude	.....	<i>"Carillon de Westminster"</i> by Louis Vierne

Organ Music by Gary L. Jenkins

Honorary Degrees

Doctor of Engineering

Anton Hulman George
President and Chief Executive Officer
Indianapolis Motor Speedway
Indianapolis, Indiana

Anton Hulman "Tony" George has earned an international reputation for his outstanding leadership that has resulted in an aggressive program of expansion and investment during his tenure as president and chief executive officer of the world's premier racing facility, the Indianapolis Motor Speedway. The speedway is host to the world's largest sporting event, the Indy 500. George founded the Indy Racing League in 1994 to preserve the traditions and excitement of America's open-wheel racing. In the same year, George brought the NASCAR Winston Cup Series to the Indianapolis Motor Speedway for the Brickyard 400, which has become the world's second largest sporting event. In 2000, IMS welcomed the drivers of Formula One for the inaugural United States Grand Prix. The speedway now hosts the "triple crown" of auto races.

In honor of George's efforts to bring the U.S. Grand Prix to Indianapolis, the IMS received the prestigious Formula One Constructors Association Award in 2000. The award is presented to the best promoter and event organizer in Formula One each year.

George represents the third generation of IMS ownership for the Hulman family of Terre Haute. Anton "Tony" Hulman, George's grandfather, purchased the speedway in 1945. Mari Hulman George, serves as the IMS chairman of the board. Tony George was appointed IMS president in 1989.

George also serves as president of Terre Haute-based Hulman and Company, the parent company to IMS. Hulman and Company was established in 1850. He serves on the Rose-Hulman Institute of Technology Board of Trustees and on the board of directors of the Terre Haute First National Bank, First Financial Corporation, the Indiana State University Foundation, the Central Indiana Corporate Partnership, Vectren Corporation, Indiana Gas Company and the Terre Haute Boys and Girls Club.

Doctor of Engineering

Eric Mooney, M.D.
Plastic Surgeon
Bassett Healthcare
Cooperstown, New York

Eric Mooney extends his medical services beyond his duties as a plastic surgeon at Bassett Healthcare in Cooperstown, New York, through his volunteer work to help impoverished children and adults around the world. Mooney serves as a team leader and administrator for Interplast, a nonprofit organization providing free reconstructive surgery to people in developing nations who suffer from congenital deformities such as cleft palate. Mooney specializes in reconstructive and hand surgery. His volunteer work has taken him to South America, Asia and Latin America during the past eight years.

Mooney has been an attending plastic surgeon at Bassett Healthcare since 1997. He previously served as a visiting surgeon at the University of Innsbruck in Austria and as an instructor at the University of Massachusetts Medical Center. He received the Mitch Kaplan Memorial Award for excellence in resident training at Lenox Hill Hospital in New York City and was awarded a fellowship from the University of Massachusetts Medical Center. Mooney has also taught students attending Dartmouth, Albany and Rochester-SUNY medical schools.

A native of Cincinnati, Ohio, Mooney graduated magna cum laude from Rose-Hulman Institute of Technology in 1982 with bachelor's degrees in chemical engineering and chemistry. He graduated from the University of Cincinnati College of Medicine in 1986. Rose-Hulman presented Mooney with an outstanding alumnus award in 2002. He is a member of the Interplast surgical committee, and the tissue transplant committee of Mary Imogene Bassett Hospital. During the past seven years, he has given 30 presentations about plastic and reconstructive surgery at medical societies and hospitals throughout the United States.

Doctor of Humane Letters

Joy Sacopulos
Community Volunteer
Terre Haute, Indiana

Joy Sacopulos of Terre Haute is an innovative community volunteer leader who for over 40 years has been dedicated to developing the health and beauty of our environment, the well-being of her community, the quality of life of her fellow citizens, and the appreciation of the history and heritage that is Terre Haute. She has founded state and local organizations, recruited thousands of volunteers, revitalized valuable programs of community service, provided visionary solutions for new programs, and raised hundreds of thousands of dollars through grant writing and local fund raising in support of community projects.

Sacopulos is a founder and volunteer for the Indiana Urban Forest Council, the Organ Donation Awareness Council of the Wabash Valley, TREES Incorporated, Friends of Historic Allen Chapel, and Sacred Landmarks of Downtown Terre Haute. Her leadership and enthusiasm have sparked successful new programs for the Indiana National Road Association, the Boy Scouts of America Wabash Valley Council, the Volunteer Action Center, and the Vigo County Historical Society. She also serves as a member of the executive committee of the board of directors of Historic Landmarks Foundation of Indiana.

Sacopulos has received numerous honors for her community service including the Sagamore of the Wabash, the 1997 Environmentalist of the Year Award from Indianapolis Power and Light Co., the Boy Scouts of America Silver Beaver Award, the Outstanding Volunteer of the Year Award for 1996 from the Indiana Urban Forest Council, the Best Friend of Allen Chapel Award, and the Mighty Oak Award from TREES Incorporated. She is a Phi Beta Kappa graduate of Indiana University where she earned a Bachelor of Arts degree in English literature and education and a Master of Science degree in counseling and guidance.

Doctor of Engineering

Tim Solso
Chairman and Chief Executive Officer
Cummins, Incorporated
Columbus, Indiana

During his 32-year career with Cummins, Inc., Tim Solso has helped lead the Fortune 500 company to a position as a global leader in the design, manufacture, distribution and service of engines and related technologies. As president and chief executive officer of Cummins, Solso leads a company that has 23,700 employees worldwide and reported sales of \$5.9 billion in 2002. Cummins key markets for its engines are automotive, power generation, marine and industrial. Headquartered in Columbus, Ind., Cummins serves its customers through more than 500 company-owned and independent distributor locations in 131 countries and territories.

Solso began his career with Cummins in 1971 as assistant to the vice president for personnel. His career with the company has included continuous promotions in areas ranging from development and training to marketing and operations. His executive management assignments have included serving as executive director of personnel, vice president of marketing, vice president and general manager of the engine business, executive vice president of operations, and executive vice president and chief operating officer. Solso was named president and chief operating officer in 1995. He became chairman and chief executive officer in January 2000.

Solso earned a Master of Business Administration degree from Harvard University in 1971, and a Bachelor of Arts degree in psychology from DePauw University in 1969. Solso also serves in leadership positions as a board member for organizations ranging from DePauw University to Ashland Inc., the Irwin Financial Corporation, the Heritage Fund of Bartholomew County, the Ball Corporation, and the Central Indiana Corporate Partnership. He has also been chairman of the United Way Campaign for Bartholomew County.

Fifty-Year Commemorative Degrees

For one hundred and twenty-nine years, Rose-Hulman alumni have been making positive contributions to society as engineers and scientists. Success has not been limited to their career areas. They serve their local communities through civic organizations, youth activities and churches.

Much of the recognition Rose-Hulman enjoys today is because of our alumni. Rose-Hulman graduates make an impact. Their achievements as engineers, scientists and concerned citizens translate into a reputation of quality for their alma mater.

Today, we recognize the contributions of the Class of 1953 by presenting commemorative degrees to those men who have been alumni for 50 years. The diplomas they receive today honor their dedication of time and talent to their careers, society and Rose-Hulman. The following members of the class of 1953 returned to campus for today's ceremony.

Class of 1953 Attending Commencement 2003

David Badger	Carmel, Indiana
Vernon Bishopink	Homewood, Illinois
Richard Grubaugh	Seymour, Indiana
James Ingle	Ellettsville, Indiana
Charles D. Latham	Paris, Illinois
Richard Myhre	Homewood, Illinois
Howard Pedigo	Plainfield, Indiana
James Schlarb	Louisville, Kentucky
William Stewart	Clearwater, Florida
George Wence	Nebraska City, Nebraska
Samuel Woolley	Clarkston, Kentucky

SCHOLARSHIP HONORS

Students graduating with a scholarship index of 3.90 or higher will be graduated *Summa Cum Laude*; those with a scholarship index between 3.60 and 3.90 will be graduated *Magna Cum Laude*; and those with a scholarship index between 3.30 and 3.60 will be graduated *Cum Laude*. These honors are recognized by the display of gold Honor Cords at the Commencement ceremonies and in appropriate fashion on the diplomas.

* <i>Cum Laude</i>	G Technical Translators Program-German
** <i>Magna Cum Laude</i>	A U.S.Army Commission
*** <i>Summa Cum Laude</i>	AF U.S.Air Force Commission
	C Consulting Engineering Program
	M Management Studies Certificate
	I Imaging Systems Certificate
	S Semiconductor Materials and Devices Certificate

Master Thesis indicated in *Italics*

Graduation Date Designations

Special codes indicate students who completed their degree requirements prior to May 31, 2003. Those designations are:

a	August 31, 2002
n	November 25, 2002
m	March 3, 2003

THE ACADEMIC PROCESSION

In today's academic procession, the gown and hood indicate the degree held by the wearer. The hood is lined with the official color or colors of the college or university conferring the degree. Graduates of certain institutions wear gowns in the color of the university, faced down the front with velvet panels and has three velvet crossbars on each sleeve. The velvet may be black or may be the color which represents the field in which the degree was conferred.

RHIT Bachelor's Degree Attire

Rose-Hulman Institute of Technology Bachelor's degree holders or candidates wear a black gown and a black mortarboard with a red and white tassel.

RHIT Master's Degree Attire

Master's degree hoods for Rose-Hulman Institute of Technology are black, lined with rose satin and white satin chevron and edged in golden yellow velvet. With the gown and hood is worn a black mortarboard and red and white tassel.

Pi Mu Epsilon

Violet, lavender, and gold cords signify membership in Pi Mu Epsilon, the National Mathematics Honorary.

Rose-Hulman Institute of Technology

Candidates for Degrees

Bachelor of Science

CHEMICAL ENGINEERING

***	Timothy Wayne Adams	Lafayette, Indiana
	William Eric Art	Sulphur, Louisiana
S	Aaron Patrick Bolner	Columbus, Indiana
	Jesse Reigh Boothby-Shoemaker	Paw Paw, Michigan
**	Heidi Elaine Brackmann	Evansville, Indiana
***	Alison Marianne Burgess	Bristol, Wisconsin
**	Anna Marie Burgner	West Lafayette, Indiana
S**	Anthony Floyd Cann	Dale City, Virginia
*	Briar Arthur Colwell	Georgetown, Indiana
C	Matthew William Cosby	Wabash, Indiana
**	Marisa Mae Cummings	Corunna, Michigan
	Benjamin D. Davis	Hillsboro, Ohio
m	Dedric Allan Day	Connersville, Indiana
	Stephen Elliott Fain	South Bend, Indiana
G*	Melinda Suzanne Fetcko	Hebron, Indiana
**	Andrew Jeffery Feyen	Evansville, Indiana
*	Kevin Laroy Fisher	Odon, Indiana
	Amanda Marie Garrelts	Logan, Ohio
S	Brian Marc Gates	Rochester Hills, Michigan
***	Rashad Lee Gold	Evansville, Indiana
*	Kara Ann Gustafson	Columbus, Ohio
*	Richard Lee Hale, Jr.	West Terre Haute, Indiana
	Ghazal Hariri	Zionsville, Indiana
**	Adrienne Summer Henderson	Terre Haute, Indiana
**	Alicia Kay Hetrick	Emmetsburg, Iowa
**	Karl Hofmann	Kitts Hill, Ohio
**	Phillip Wade Isom	Anderson, Indiana
*	Justin Michael Jeter	New Palestine, Indiana
C*	Nathan Andrew Kozman	Hinckley, Ohio
***	Allison Ann Langham	Troy, Michigan
*	Brian D. Maschino	Seymour, Indiana
	Grant Byron Miller	Fowler, Indiana
	William Keith Miller	Avon, Indiana
***	Sara Kay Mulroe	Lansing, Illinois
	Joseph Robert Neeson	West Terre Haute, Indiana
***	Erin Melissa Phelps	Knowlton, New Jersey
**	Jennifer Anne Phelps	Knowlton, New Jersey
	Stephanie Lynn Poland	Clayton, Indiana
**	Joshua Lynn Ratts	Trafalgar, Indiana
	Anita M Ribble	Two Rivers, Wisconsin
*	Joseph Cory Ruble	Columbus, Indiana
*	Ryan Everett Schafer	Madison, Indiana
	Thomas Frank Shook	Cottage Grove, Wisconsin
**	Sarah Elizabeth Stalnaker	Fort Wayne, Indiana
S	Andrew Lee Strack	Indianapolis, Indiana
*	Kyle Wayne Thomas	Noblesville, Indiana
	Autumn Michelle Weddle	Indianapolis, Indiana
	Drew Nathaniel Wright	Little Rock, Arkansas
S*	Allen David Zavela	Plainfield, Indiana

Double Major in CHEMICAL ENGINEERING and CHEMISTRY

Richard Lee Spalding Grosse Pointe Woods, Michigan
Craig Joseph Szymanski Charleston, South Carolina

Double Major in CHEMICAL ENGINEERING and MATHEMATICS

* Ronald Justin Stanis Des Plaines, Illinois

CHEMISTRY

** Monica Lynn Gavala Kokomo, Indiana
G Sara Elizabeth Plowman Warson Woods, Missouri
Charles William Porter Kennard, Indiana
Corey Wayne Trobaugh New Castle, Indiana

Two Degrees: CHEMISTRY and MATHEMATICS

** Michael Andrew Ewing State College, Pennsylvania

CIVIL ENGINEERING

C Jordan Michael Aigner Boonville, Indiana
Joseph Ryan Bastin Westfield, Indiana
C* Eric Eugene Beier Ferdinand, Indiana
Nathan Charles Bottom Springfield, Illinois
C** Aaron Osmun Burke Apple Valley, Minnesota
Jonathan Michael Charles Beattyville, Kentucky
Raymond Dwayne Chin Morehead, Kentucky
** Walter Henry Flood IV Chicago, Illinois
Thomas John Gaio Chardon, Ohio
Bryce Jamin Gast Akron, Indiana
C* Nicholas Ryan Harden Marshall, Minnesota
C Amy Marie Haymaker Terre Haute, Indiana
* Derek Gordon Hughes Perrysville, Indiana
Daniel Lee Hunt Vevey, Indiana
C Jeremy Michael Kashman Pittsboro, Indiana
CA** David Lee Korman Rolling Meadows, Illinois
Jared Shane Lesser Martinsville, Indiana
* Jason James Meyer Chicago, Illinois
*** Michael Eric Novotney Chesterton, Indiana
Kevin Conor O'Gorman Glen Ellyn, Illinois
Wendy Clair Packard Broadway, Virginia
Michael Anthony Phillips Prospect, Kentucky
** Jonathan Quentin Query Petersburg, Indiana
Joshua Thomas Reed New Palestine, Indiana
Lawrence Thomas Robbins West Terre Haute, Indiana
Amanda Lynn Stevens Columbus, Indiana
A Kevin Lee Waldroup Shelburn, Indiana
CA Adam Christopher Ziegler Keokuk, Iowa

COMPUTER SCIENCE

n** Nathan Daniel Acuff Springboro, Ohio
* Christopher Robert Barrell Columbia City, Indiana
AF Ryan Daniel Bechtloff Everett, Washington
Gm Christopher Michael Bohnert Jasper, Indiana
Alexandra Ariel Bowers Johnson City, Tennessee
m Paul Anthony Brobst Lincoln, Nebraska
David Alan Christensen Lake Saint Louis, Missouri
Luke Christian Davis Duluth, Minnesota
A Sarah Catherine Destremps Willingboro, New Jersey
Alla Genkina Owings Mills, Maryland

	Jonathan Thomas Gilpin	.Houston, Texas
	Todd Andrew Goldfinger	.Columbia, Maryland
*	Todd Jon Grotenhuis	.Kokomo, Indiana
	Chris Ian Hildebrand	.Indianapolis, Indiana
m	Seth Ryan Johnson	.Silverdale, Washington
	Drew T. Kilz	.Brecksville, Ohio
*	Alexander James Lo	.Chicago, Illinois
m	Peter Gordon Markwart	.Valparaiso, Indiana
	Brian David Marler	.Indianapolis, Indiana
m	Donald P. McGaughey	.Lexington, Kentucky
*	Joel Kim Meador	.Addison, Kentucky
m**	Tomislav Ivan Mutak	.Newburyport, Massachusetts
	Ian Matthew Myers	.Saint Paul, Indiana
	Ralph R. Rodkey	.Frankfort, Indiana
	Robert Michael Rogers	.Franklin, Indiana
n*	Bret William Sadler	.Cincinnati, Ohio
	Bryan Jeffery Shell	.Savanna, Illinois
Im	Jay Stephen Sheridan	.Bellevue, Nebraska
	Brian James Shindeldecker	.Hartford, Michigan
**	Robert Donte Signorelli	.Indianapolis, Indiana
m*	Iver Skog	.Plymouth, Minnesota
	Benjamin Nils Smeland	.Chicora, Pennsylvania
G	Jeffrey Thomas Smith	.Kirkwood, Missouri
*	Joshuah Adam Smith	.Chandler, Indiana
m	Nathan Russell Smith	.North Augusta, South Carolina
**	Sidney Louis Stamm	.Winsted, Minnesota
m	John Paul Taylor	.Chandler, Indiana
*	Mark Andrew Valovage	.West Fargo, North Dakota
	Bryan Oliver Watts	.Melbourne, Florida
	Dale Clifford Willey	.Nunda, New York
m	Damian Edward Yerrick	.Fort Wayne, Indiana

Double Major in COMPUTER SCIENCE and MATHEMATICS

*	Thomas John Emond III	.East Bethel, Minnesota
	Matthew Scott Ford	.Yorktown, Indiana
m*	Paul Alan Gross	.Maryland Heights, Missouri
*	James William Howard	.Circle Pines, Minnesota
	Brian Christopher Kiefer	.Cincinnati, Ohio
**	Noor Alyssa Martin	.Randallstown, Maryland
G***	Peter Robert Nei	.Saint Cloud, Minnesota
***	George Ray Rahman	.Santa Claus, Indiana
*	Thomas James Schneider	.Batesville, Indiana
*	Michael Christopher Simon	.Fort Wayne, Indiana
**	Joshua Isaac Voils	.Brownsburg, Indiana

ECONOMICS

	Nicholas David McKinney	.Frederick, Maryland
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ELECTRICAL AND COMPUTER ENGINEERING

ELECTRICAL ENGINEERING

	Nicholas Andrew Adams	.La Porte, Indiana
	Mishima Alam	.Athens, Ohio
	David Allen Atkinson	.Fair Oaks, Indiana
*	Alison Marie Bailey	.Schaumburg, Illinois
*	Allen Joseph Bast	.Framingham, Massachusetts
	Jacob Martin Bernet	.West Lafayette, Indiana
	Eric Alan Blanton	.Gaston, Indiana

	Ryan Carey Brown	Georgetown, Indiana
	Joshua David Butler	Evansville, Indiana
	Nicholas Andrew Camisa	Schererville, Indiana
	Cara Elizabeth Dant	Vincennes, Indiana
m*	David Wayne Duffy	Jefferson City, Missouri
	April Darlene Duncan	Meadowview, Virginia
AF**	Christopher Glenn Dupin	Petaluma, California
***	Chad Allen Ellis	Chrisman, Illinois
n	Nicholas Pryce Fowler	Hawthorn Woods, Illinois
m*	Joseph Nicholas Gold	Indianapolis, Indiana
	Kyle Derek Harbison	Indianapolis, Indiana
	Mitchell Eric Hendrickson	Terre Haute, Indiana
	Ryan Michael Horner	Portage, Indiana
A	Benjamin John Howe	Elysian, Minnesota
**	Benjamin Albert Huckaba	Mattoon, Illinois
*	Johnny Yu-Kit Hung	Bloomington, Indiana
m	Bryan David Hunt	San Diego, California
	Lucas Edward Johnson	Muncie, Indiana
*	Daniel Lee Jones	Juka, Illinois
S	Jeffrey Allan Kleinlein	Crete, Illinois
m	Thomas Mark Lautenschlager	Martinsville, Indiana
	Christopher Bruce Lelak	Mooreville, Indiana
	Pedro Luis Lopez, Jr.	Brooklyn, New York
	Jonathan Kong Low	Manteca, California
**	Rachel Elizabeth Lukens	Terre Haute, Indiana
S*	Larry Lee Macejka	Pittsburgh, Pennsylvania
	Frank Stanley Marks	Glendale, Arizona
**	Jacob John Meyers	Tacoma, Washington
*	Matthew David Mills	Jasper, Indiana
AF	Michael John Nickelson	North Kingstown, Rhode Island
m	Douglas Arthur Pickering	Pittsburg, Kansas
*	Adam Matthias Sekela	Pittsburgh, Pennsylvania
	Elizabeth Dawn Shook	Madison, Alabama
	Danny Wen Feng Tam	Honolulu, Hawaii
	La Marr Cornell Taylor	Gary, Indiana
n*	Sean Steven Taylor	Dublin, California
*	Adam Joseph Tieman	Boonville, Indiana
*	Kevin Howard Tierney	Louisville, Kentucky
*	Michael Wayne Till	Huntington, Indiana
*	Travis Fenton Troyer	Elkhart, Indiana
**	Dulany Barry Weaver	Mooreville, Indiana
C**	Matthew Scott Weyer	Ferdinand, Indiana
	Joshua Tyler Willis	Franklin, Indiana
	Brian Allen Woodbury	Woodburn, Indiana

Two Degrees: ELECTRICAL ENGINEERING and MECHANICAL ENGINEERING

m***	Anna Lisbeth Yokel	Terrace Park, Ohio
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COMPUTER ENGINEERING

	Garrett Eli Black	Georgetown, Illinois
**	Aaron Dean Blosser	Wauseon, Ohio
	Logan Christopher Bowers	Shoreline, Washington
m	Nicholas Tyler Brown	Columbia City, Indiana
	Theodore Emmanuel Chan	Arlington Heights, Illinois
*	Danielle Marie Cooper	Martinsville, Indiana
**	Michael Scott Davis	Canton, Ohio
	Michelle Dawn Einhorn	Newton, Illinois
*	Zachary Thomas Frichtl	Greenville, South Carolina

**	Robert Lee Harris	.Dayton, Ohio
	R. Martin Harrison	.Mount Vernon, Indiana
*	Keith Eugene Henry III	.Elkhart, Indiana
*	Charles Stephens Howell	.Connersville, Indiana
	Michael R. Jaskiewicz	.Fort Wayne, Indiana
	Richard Warner Jovanovich	.Clinton, Indiana
**	Joshua Justin Lehnert	.Remus, Michigan
**	Cassandra Lynn Mateo	.Portage, Indiana
	Anand Mody	.Wheaton, Illinois
	Himanshu Anand Narayana	.Loveland, Ohio
Cm	David Martin Odle	.Winchester, Kentucky
m	Timothy Jamison Raabe	.Bluffton, Ohio
	Philip Thomas Sirota	.Hobart, Indiana
m*	Ronald Jonathan Torok	.Greenfield, Indiana
n	Nikolaos Tsakiris	.Thessaloniki, Greece
*	Nicolas Clinton Vote	.Boonville, Indiana
m	Daniel Patrick Walter	.Crown Point, Indiana
m	Sarah June Walton	.Saint Paul, Indiana
*	Sarah Stefanne White	.Sarasota, Florida
	Jeremy Joseph Williams	.Cleves, Ohio

Two Degrees: COMPUTER ENGINEERING and COMPUTER SCIENCE

*	Brian Charles Davis	.Terre Haute, Indiana
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Double Major in COMPUTER ENGINEERING and COMPUTER SCIENCE

C**	Douglas Edwin Jeffries	.Rockville, Indiana
m	Jason Daniel Wentland	.Sterling Heights, Michigan

Triple Major in COMPUTER ENGINEERING, COMPUTER SCIENCE and ELECTRICAL ENGINEERING

	Shane Michael Milton	.Hillsboro, Ohio
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MATHEMATICS

	John Edward Stoner	.Delphi, Indiana
**	Joshua Paul Strodtbeck	.Indianapolis, Indiana

Double Major in MATHEMATICS and COMPUTER SCIENCE

***	Eva Marie Barlow	.Bristol, Connecticut
	Trevor James Doll	.Avon, Indiana
**	Philip Hale Smith	.Rochester Hills, Michigan

Double Major in MATHEMATICS and ECONOMICS

**	Joshua James Crumley	.Monroe, Michigan
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MECHANICAL ENGINEERING

**	Keith Alan Atkinson	.Peoria, Illinois
n	Rae Marie Azorandia	.Clinton, Massachusetts
**	Aaron Kenneth Baldauff	.Manteno, Illinois
	Paul Thomas Baldeshwiler	.Chippewa Falls, Wisconsin
	Steven Michael Beccia	.Mechanicsburg, Pennsylvania
**	Jayson Kahle Bopp	.Fort Wayne, Indiana
*	Matthew Wayne Borchelt	.Osgood, Indiana
m**	Jason Samuel Bowe	.Moorhead, Minnesota
	Allen Ross Bowman	.Moores Hill, Indiana
*	Christopher James Bratten	.Cranberry Township, Pennsylvania
	Samuel James Luther Burton	.Edinburgh, Indiana
	Timothy John Buschur	.Aurora, Indiana
	James Patrick Byrne	.Seattle, Washington

**	Andrew Jeffrey Caldwell	Georgetown, Kentucky
	Robert William Carruth	Worthington, Ohio
	Michael Jeffrey Cash	Louisville, Illinois
	Jennifer Lynne Clevenger	Muncie, Indiana
A*	Craig Steven Cotner	Winamac, Indiana
AF**	Andrew Vernon Crisman	Sioux Valley, Minnesota
m	Matthew Thomas Daniel	Bellevue, Kentucky
*	Beau Patrick D'Arcy	Plainfield, Illinois
	Justin Angelo deMarco	Springfield, Illinois
	William Kurt Dierking	Louisville, Kentucky
**	Joshua Eugene Elgin	Campbellsburg, Indiana
	Daniel Patrick Gallagher	Tannersville, Pennsylvania
*	Curtis James Geen	Itasca, Illinois
***	Benjamin Charles Giant	Shelbyville, Indiana
*	James Harold Ginther III	Renton, Washington
	James Robert Goodman	Two Harbors, Minnesota
**	Jeffrey Scott Gordon	Tucson, Arizona
***	Scott Ryan Green	Davison, Michigan
AF	Sonia Marie Haalboom	Galesburg, Illinois
*	Carissa Jill Hasselbring	Skokie, Illinois
*	Kleve Edwin Heavin	Muncie, Indiana
**	Daniel Ryan Hedman	Mattawa, Washington
	Nathaniel Usher Hill V	Bloomington, Indiana
	Grant Tryon Hoffman	Cincinnati, Ohio
*	James Frederick Hoffman	Winchester, Indiana
*	John Thomas Howard	Terre Haute, Indiana
	Matthew Landen Isbell	West Terre Haute, Indiana
	Timothy Brian James	North Judson, Indiana
AF**	Andrew Gustaf Jauhola	Hallock, Minnesota
	Seth Dale Jones	Peru, Indiana
**	Gregory Joshua Karnes	Terre Haute, Indiana
	Ryan Charles Keefer	Fort Wayne, Indiana
	Matthew Joseph Ketcham	Ocala, Florida
**	Timothy Paul Kibbey	Indianapolis, Indiana
	Robert William Kief III	Cincinnati, Ohio
G	David Andrew Kugler	Morgantown, West Virginia
*	Phillip Robert Kuhn	Rushville, Indiana
*	Brandon Wayne Lawson	Harmony, Indiana
	Matthew Charles Lecher	Greensburg, Indiana
	Daniel Jacob Lessing	Hamilton, Ohio
	Joshua Harris Levine	Arcadia, California
	Frank Henry Levinson	Palo Alto, California
**	Timothy Douglas Louvar	Marion, Iowa
	Saylan James Lukas	Bloomington, Indiana
	Thomas Patrick Markle	McMurray, Pennsylvania
**	Amanda Sue McCarty	Troy, Michigan
	Wesley Adam McCullough	Tipton, Indiana
	Luke Daniel McKinney	Cayuga, Indiana
***	Jesse John McQuiston	Walton, Indiana
	Adrian Lynn Meadows	Collinsville, Illinois
	Brian Lee Miller	Connersville, Indiana
*	Jonathan Frederick Miller	Evansville, Indiana
**	Keith Allen Moench	Avon, Indiana
	Russell John Morris	Fort Wayne, Indiana
	Hans Gustaf Nelson	Sioux City, Iowa
	Bret Andrew Olson	Park Ridge, Illinois
CM	Nicholas Andrew Osborn	Bargersville, Indiana
	Nickolas Reed Privette	Fayetteville, North Carolina
	Scott Robert Richmond	Zionsville, Indiana

m	Jonathan Michael Robinson	North Vernon, Indiana
m**	Bryan Jason Rose	Claypool, Indiana
AF*	Christopher Clayton Rumpf	Novi, Michigan
*	Tyler Randolph Ryan	Waseca, Minnesota
m	Jesse Dean Samm	Jasonville, Indiana
	Rory Jay Sant	Trafford, Pennsylvania
	Schlyer Ryan Sater	Sullivan, Indiana
	Andrew Gerald Schipper	Fort Wayne, Indiana
	Curtis Anthony Schmitt	Evansville, Indiana
**	Peter Joseph Schneider	Batesville, Indiana
	Michael Allyn Sharpe	Francesville, Indiana
	Kristin Marie Sibia	Omaha, Nebraska
	Justin Jett Smith	Crown Point, Indiana
**	Kyle Mark Smith	Crawfordsville, Indiana
G**	Matthew Charles Smith	Bryan, Texas
S**	Ross Andrew Smith	Manassas, Virginia
m***	Elizabeth Joy Sobota	Elgin, Illinois
**	Eric Charles Soller	Alexandria, Virginia
	Amy Michelle Stutler	Brownsburg, Indiana
***	Timothy Mychael Swan	Farmington, Minnesota
	Jamie Lynn Tepool	Evansville, Indiana
m**	Gordon Alexander Thompson	Urbana, Illinois
	Eric Brandon Titzer	Evansville, Indiana
	Anne Elizabeth Trueblood	Brentwood, Tennessee
	Michelle Elaine Unger-Shambaugh	Rossville, Indiana
	Kathryn Victoria Vawter	Indianapolis, Indiana
	Daren Earl Wade	Noble, Illinois
	James David Walck	Galesburg, Illinois
	Matthew John Wentz	Terre Haute, Indiana
	Michael David Wittrock	Sioux Falls, South Dakota
***	Alexander Tatsuya Woods	Boonville, Indiana
	Douglas Michael Wright	Terre Haute, Indiana
	Joseph Donald Wyman	West Union, Illinois
	Stanley Raymond Zaremba	Robertsville, Missouri
	Matthew Alan Zuber	Paris, Illinois

Two Degrees: MECHANICAL ENGINEERING and COMPUTER ENGINEERING

m**	Jason Edward Poole	Lancaster, Ohio
	Double Major in MECHANICAL ENGINEERING and ECONOMICS	
*	Nathaniel Woodson Bowe III	Germantown, Tennessee

PHYSICS AND OPTICAL ENGINEERING

PHYSICS

S**	Matthew Charles Stupca	Rochester, Minnesota
	Double Major in PHYSICS and COMPUTER ENGINEERING	
	Jerina Ellen Pillert	Coral Springs, Florida

Double Major in PHYSICS and COMPUTER SCIENCE

*	Chad Daniel Dunham	Amelia, Ohio
---	--------------------	--------------

APPLIED OPTICS

SI	Douglas Paul McGregor	Burien, Washington
S	Amy Lyn Reed	Mason, Ohio
m	Joshua Michael Sutton	North Judson, Indiana

Master of Science

BIOMEDICAL ENGINEERING

- Brian J. BlessingerHuntingburg, Indiana
"Hydroxyapatite Precipitation on the Surface of Tantalum and Tungsten Samples Bathed in Simulated Body Fluid"
Thesis Advisor: Professor Samuel Hulbert
- m Brian D. ByrdOxford, Indiana
"Alternative Chromophores for Use in Light-Activated Surgical Adhesives"
Thesis Advisor: Professor Karen McNally
- n Saigovind DandapaniRuwi, Oman
"Transformation of a Prototype Device to a 510K Pre-Manufacturing Notification Product"
Thesis Advisor: Professor Karen McNally
- n James Christopher InmanIndianapolis, Indiana
"An Investigation of the Shear Properties and Uniformity of a Fibrin Adhesive Bond between Two Pieces of Small Intestine Submucosa (SIS)"
Thesis Advisor: Professor Christine Buckley
- Harish A. SharmaBombay, India
"Development of a Physicochemical System to Detect the Effects of Electromagnetic Fields on H₂O₂ Production of Biomolecules"
Thesis Advisor: Professor Lee Waite
- Davis S. SoansBockapatna, Mangalore, India
"Lumped Parameter Model of Left Ventricular Filling: A Study with Constant Mitral Area and Variable Mitral Area"
Thesis Advisor: Professor Lee Waite
- Mark H. WareIndianapolis, Indiana
"The Study of a Light-Activated Albumin Protein Solder to Bond Layers of Porcine Small Intestinal Submucosa"
Thesis Advisor: Professor Christine Buckley
- a Xinfeng ShiNanjing, China
"Apatite Coating over Zirconium Metal by a Biomimetic Method"
Thesis Advisor: Professor Samuel Hulbert

CHEMICAL ENGINEERING

- Nicole Therese BirchallSt. Clair Shores, Michigan
"Modeling of Industrial Styrene Polymerization Processes"
Thesis Advisor: Professor David Miller
- Ellen E. KotalDecatur, Illinois
"Design and Implementation of a Filtration Control System"
Thesis Advisor: Professor Ronald Artigue
- m Manish K. LodayaBombay, India
"Investigation of Adsorption Equilibrium of Water Vapor on Activated Alumina"
Thesis Advisor: Professor Atanas Serbezov

ELECTRICAL ENGINEERING

- Brian P. Degnan Rising Sun, Indiana
"Processor Performance Enhancements by Hazard Removal"
Thesis Advisor: Professor William Eccles
- Nicholas P. Fowler Hawthorn Woods, Illinois
*"Improvement of the Crossbridge Distribution Mechanism
of a Biomorphic Integrated Circuit Sarcomere Model"*
Thesis Advisor: Professor Tina Hudson
- Andrew S. Hintz Fairfax Station, Virginia
*"Implementing an Integrated Signaling and Power
Distribution Control System for Remotely Located Devices"*
Thesis Advisor: Professor Tina Hudson
- m Zhen Ji Beijing, China
"An Electro-Optic Data Link Using a Mach-Zehnder Modulator (MZM)"
Thesis Advisor: Professor Bruce Black
- n Joseph Kanellopoulos Thessaloniki, Greece
*"Modeling and Simulating of Controls
Experiments Using a Data Acquisition System"*
Thesis Advisor: Professor Fred Berry
- Quentin W. Kramer Bloomington, Indiana
"Band Control of Power Switching Devices"
Thesis Advisor: Professor Marc Herniter
- m Sushama K. Mithapally Pune, India
*"The Effect of a Change of Dielectric Properties of Substrate
Material on the Return Loss of the Microstrip Patch Antenna"*
Thesis Advisor: Professor David Voltmer
- Sabarni D. Palit Pune, India
*"Performance Characteristics of Binary Ternary
All-Optical Beamformer Arrays at 1550 nm"*
Thesis Advisor: Professor Bruce Black
- m Brent A. Waggoner Sandborn, Indiana
*"A Comparison of Gyroscope Digital Models
for an Electro-Optical/Infrared Guided Missile Simulation"*
Thesis Advisor: Professor David Purdy

ENGINEERING MANAGEMENT

- Alfredo Banos Columbus, Indiana
"Methane Gas Reclamation Partners, Inc."
Project Advisor: Professor Thomas Mason
- Tiffani L. Cannon Bloomington, Indiana
"Discrete Wiring Design—A Recommendation for Expansion"
Project Advisor: Professor Terry Schumacher
- a Steffen Giermann Koethen, Germany
*"Improvement of the Production Process by
Optimizing the Internal Material Handling"*
Project Advisor: Professor Terry Schumacher

- Rimas J. GuzulaitisIndianapolis, Indiana
"Handheld Weight and Power Tool"
Project Advisor: Professor Thomas Mason
- m Carmalita M. HaleyBloomington, Indiana
"Strategic Positioning Guidelines for Business Development at NAVSEA CRANE"
Project Advisor: Professor Thomas Mason
- Scott A. HenryColumbus, Indiana
"Methane Gas Reclamation Partners, Inc."
Project Advisor: Professor Thomas Mason
- Allen L. HuntGreenwood, Indiana
"Common Rail Missile Launcher"
Project Advisor: Professor Thomas Mason
- Paul G. JonesPlainfield, Indiana
"Knowledge Management: Capturing Lessons Learned"
Project Advisor: Professor Terry Schumacher
- John William KestersonIndianapolis, Indiana
"Korean K-1 Tank Program"
Project Advisor: Professor Terry Schumacher
- Martin MiedlMagdeburg, Germany
"The Steel Treatment Process"
Project Advisor: Professor Thomas Mason
- m Philip Scott MitchellSpringville, Indiana
"Strategic Positioning Guidelines for Business Development at NAVSEA CRANE"
Project Advisor: Professor Thomas Mason
- Christian V. MoncadaBloomington, Indiana
"Discrete Wiring Design—A Recommendation for Expansion"
Project Advisor: Professor Terry Schumacher
- Robin E. MurtlandIndianapolis, Indiana
"Common Rail Missile Launcher"
Project Advisor: Professor Thomas Mason
- Jeffrey A. MyersGreenfield, Indiana
"Methane Gas Reclamation Partners, Inc."
Project Advisor: Professor Thomas Mason
- m Stephan ReggelinMagdeburg, Germany
"E-Commerce and Business Changes in Logistics and Transport"
Project Advisor: Professor Thomas Mason
- Raymond C. ShuteColumbus, Indiana
"Methane Gas Reclamation Partners, Inc."
Project Advisor: Professor Thomas Mason
- m Stacey D. SkinnerBloomfield, Indiana
"Strategic Positioning Guidelines for Business Development at NAVSEA CRANE"
Project Advisor: Professor Thomas Mason

Todd A. StahlhutMcCordsville, Indiana
"Knowledge Management: Capturing Lessons Learned"
Project Advisor: Professor Terry Schumacher

Anthony J. Voi Mooresville, Indiana
"Common Rail Missile Launcher"
Project Advisor: Professor Thomas Mason

Anthony J. WelchIndianapolis, Indiana
"Handheld Weight and Power Tool"
Project Advisor: Professor Thomas Mason

ENVIRONMENTAL ENGINEERING

m Rui ZhangBeijing, China
*"The Optimization of the Sludge Dewatering System for
the City of Niagara Falls Wastewater Treatment Plant"*
Thesis Advisor: Professor Robert Houghtalen

MECHANICAL ENGINEERING

Daniel AbichtMagdeburg, Germany
*"The Design and Development of an Electrode Retract
Assembly for Safety Improvement during Thread-up for Inside Corona
Treatment in the Polyethylene Extrusion Process"*
Thesis Advisor: Professor Darrell Gibson

m Dieter SchwarzmannHeilbronn, Germany
"Optimal Jet Thruster Control of an Atmospheric Rocket"
Thesis Advisor: Professor Bradley Burchett

m Kenred StadlerMagdeburg, Germany
*"The Development of a Method for Predicting and Assessing
the Effects of Punch Press Noise during Plant Expansion"*
Thesis Advisor: Professor Darrell Gibson

PHYSICS AND OPTICAL ENGINEERING

APPLIED OPTICS

Zhan ChenAnhui, China
"Spectroscopic Instrument Controls and Calibration"
Thesis Advisor: Professor Robert Bunch

m Mark JaegerKornwestheim, Germany
"Two Simultaneous Independent RF-Beams Optical Beamformer"
Thesis Advisor: Professor Azad Siahmakoun

Christopher T. MiddlebrookBloomington, Indiana
*"Design and Implementation of a Laser Rangefinder/Designator Beam
Metrology System for Beam Characteristic Analysis
through Environmental and Atmospheric Conditions"*
Thesis Advisor: Professor Robert Bunch

m Nadin RoeslerLudwigsburg, Germany
"Chirped Photorefractive Grating in LiNbO₃: Fe Crystal"
Thesis Advisor: Professor Azad Siahmakoun

SUMMER COMPLETION

CHEMICAL ENGINEERING

Michael Edward CurranManassas, Virginia

COMPUTER SCIENCE

Patrick N. BeasleyCoulterville, Illinois
Donald Robert ConleyLake in the Hills, Illinois
G Brian Wayne MeyerColumbus, Indiana

NOVEMBER COMPLETION

CIVIL ENGINEERING

Patrick William AllenPortland, Oregon

ELECTRICAL AND COMPUTER ENGINEERING

COMPUTER ENGINEERING

Arthur Jay DolerChesterton, Indiana

MECHANICAL ENGINEERING

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