

Spring 5-30-1998

# 1998 Rose-Hulman Institute of Technology : One-Hundred and Twentieth Commencement

Rose-Hulman

*Rose-Hulman Institute of Technology*, [weir1@rose-hulman.edu](mailto:weir1@rose-hulman.edu)

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*One Hundred  
and Twentieth  
Commencement*

*of*



*Rose-Hulman*

*Institute of*

*Technology*



*May 30, 1998*



**One Hundred and Twentieth  
Commencement**

**of**

**Rose-Hulman Institute**

**of Technology**



**11 a.m., May 30, 1998  
Sports and Recreation Center**

## Commencement Program

Prelude .....	“Chaconne” by Louis Couperin
Academic Procession .....	Jess R. Lucas, B.S., M.S., Ph.D. <i>Marshal</i>
Processional .....	“Prince of Denmark March” and “Trumpet Tune” by Henry Purcell
National Anthem .....	Andrew R. Mech, B.S., M.S., Ph.D. <i>Associate Professor of Mechanical Engineering</i>
Invocation .....	Michael C. Dean <i>President, Student Government Association</i>
Greeting from the Alumni .....	Arthur R. Nelson, B.S. <i>President, Alumni Association</i>
Response from the Senior Class .....	Henry W. Heist, Jr. <i>President, Senior Class</i>
Introduction of Commencement Speaker .....	Rod T. Peterson <i>President, Interfraternity Council</i>
Commencement Address.....	Honorable Frank O'Bannon <i>Governor, State of Indiana</i>
Organ Interlude.....	“Cantilena” by Carl Simone
Awarding of Heminway Medal .....	Barry J. Farbrother, B.Sc., Ph.D. <i>Interim Vice President for Academic Affairs</i>
John T. Royse Award .....	Jess R. Lucas <i>Vice President for Student Affairs</i>
Herman A. Moench Distinguished Senior Commendation .....	Robert Steinhauser, B.S., M.S. <i>Herman A. Moench Distinguished Professor</i>
Awarding of Honorary Degrees.....	Samuel F. Hulbert, B.S., Ph.D. <i>President, Rose-Hulman Institute of Technology</i>
Frederick J. Bogardus (Doctor of Engineering), Introduced by Barry J. Farbrother, B.Sc., Ph.D.	
Ernest R. Davidson (Doctor of Engineering), Introduced by Frank A. Guthrie, A.B., M.S., Ph.D.	
Mari Hulman George (Doctor of Humane Letters), Introduced by Thomas W. Mason, B.A., M.A., Ph.D.	
Frank O'Bannon (Doctor of Humane Letters), Introduced by Thad D. Smith, B.A., Ph.D.	
Robert Steinhauser (Doctor of Engineering), Introduced by A. Thomas Roper, B.S., M.S., Ph.D.	
Alexander J. Vogl (Doctor of Engineering), Introduced by James R. Eifert, B.S., M.S., Ph.D.	
Presentation of Fifty-Year Commemorative Degrees.....	Samuel F. Hulbert
Conferring of Degrees.....	Samuel F. Hulbert
Dean's Outstanding Teacher Award.....	Barry J. Farbrother
Board of Trustees' Outstanding Scholar Award .....	Michael D. Thomas <i>Member, Board of Trustees</i>
President's Outstanding Service Award.....	Samuel F. Hulbert
Alma Mater.....	Andrew R. Mech
Benediction.....	Brett J. Kleeberger <i>President, Blue Key</i>
Recessional .....	“Nun Danket” by Bach/Fox
Postlude.....	“Rigaudon” by Campra/Fox

Organ Music by Alfred R. Schmidt, B.S., M.S. *Professor Emeritus of Mathematics*  
(Allen Digital Organ through courtesy of Samuel Music of Effingham, Illinois)

## Honorary Degrees

Doctor of Engineering

Frederick J. Bogardus  
Retired Vice President for Academic Affairs  
and Dean of the School of Arts and Sciences  
Tri-State University  
Pensacola, Florida

Frederick Bogardus has had a distinguished career as an engineer and educator. His work in the engineering field began at Scott Paper Company where he served as a mechanical engineer. He was also assistant director of the Engineer Board during World War II. In that position, he worked with the Corps of Engineers to develop pipeline and bridging equipment. He has served as a consultant to IBM in the area of stress analysis.

In 1947, Bogardus became a faculty member in the mechanical engineering department at Purdue University, where he achieved the rank of professor. In 1962, he was named dean of the faculties at Tri-State University, Angola, Indiana, and later was promoted to vice president for academic affairs and dean of the School of Arts and Sciences. During his tenure at Tri-State University, he led successful efforts to achieve national accreditation for the university's engineering programs.

Bogardus earned a mechanical engineering degree from Rose Polytechnic Institute in 1932. He received the master's and doctorate in mechanical engineering from Yale and Purdue universities respectively. He is a recipient of the Rose-Hulman Honor Alumnus Award for service to the college's alumni association and has served as president of the association.

Doctor of Engineering

Ernest R. Davidson  
Distinguished Professor of Chemistry  
Indiana University  
Bloomington, Indiana

Professor Davidson has made significant lifetime contributions to the theoretical understanding of molecules and chemical reactions. He is an award-winning teacher who has authored nearly 400 scientific publications and contributions to books that have expanded the knowledge about physical chemistry. These contributions appear in a continuing series of advances in computational methods and theoretical interpretations.

His honors include election to many prestigious academic organizations such as the United States National Academy of Science. He is a Fellow in the American Physical Society, American Association for Advancement of Science, American Academy of Arts and Sciences, and the Indiana Academy of Science. Davidson has also been honored as a Sloan and Guggenheim Fellow. He serves as the editor or associate editor of several important scientific publications, including the "Journal of Chemical Physics," "Theoretical Chemistry" and "Quantum Chemistry."

Although he has produced many papers explaining specific aspects of particular molecules of interest to experimental chemists, his greatest contributions have been improving the tools with which ab initio calculations are done and changing the way quantum chemists approach problems and view their results. Davidson earned his bachelor's degree in chemical engineering from Rose Polytechnic Institute in 1958, and a doctorate in chemistry from Indiana University.

Doctor of Humane Letters

Mari Hulman George  
Chairman of the Board and  
President of Hulman & Company  
Chairman, Indianapolis Motor Speedway Corporation  
Terre Haute, Indiana

In addition to being well-known in the international world of automobile racing, Mari Hulman George has received considerable recognition for her philanthropic support to important human services programs and civic organizations. Her work has resulted in significant improvements in education, health care and the arts. She has been honored for her tireless efforts on behalf of the Indiana Special Olympics, the Humane Society and League for Animal Welfare. She is also nationally known for raising and racing thoroughbred and quarter horses.

Her membership on the Rose-Hulman Institute of Technology Board of Trustees continues her family's strong commitment to the development of Rose-Hulman that began over a century ago. The Hulman family was instrumental in the founding of Rose-Hulman in 1874. She is the daughter of the late Anton Hulman, Jr., and Mary Fendrich Hulman, who were major benefactors to the institute. Her son, Tony Hulman George, also serves on the Rose-Hulman Board of Trustees.

She is on the board of directors of several organizations including the Terre Haute First National Corporation, Methodist Health Foundation, the Humane Society of Indianapolis, and the National Art Museum of Sport. George is also on the advisory council of St. Vincent Hospital and a trustee of the Indianapolis Museum of Art.

Doctor of Humane Letters

Frank O'Bannon  
Governor of Indiana  
Indianapolis, Indiana

Frank O'Bannon was inaugurated as Indiana's 47th governor on January 13, 1997. His distinguished career in public service includes 18 years as a member of the Indiana Senate where he served for nine years as Senate Democratic floor leader. In 1988, O'Bannon was elected lieutenant governor in the administration of Governor Evan Bayh. Bayh and O'Bannon were re-elected in 1992 by the largest margin in modern Indiana history.

In his first year as governor, O'Bannon led a successful effort to cut taxes for middle- and lower-income Hoosiers and to reduce property taxes by \$148 million. He also established a blue-ribbon commission to make the state's entire mix of taxes simpler, fairer and less reliant on the property tax. At his urging, the Indiana General Assembly, for the first time, allocated state funds specifically for alternative schools, which remove disruptive or unmotivated students from regular classrooms and offer them more innovative and individualized instruction. He also persuaded the legislature to fund 500 more police officers across every level of government statewide.

O'Bannon was elected chair of the National Conference of Lieutenant Governors, chair of the Midwestern Governors' Conference and vice-chair of the Democratic Governors' Association. A native of Harrison County, Indiana, he is chairman of the O'Bannon Publishing Company in Corydon, and before election to statewide office, he practiced law in Corydon.

Doctor of Engineering

Robert Steinhauser  
Head of the Department of Mechanical Engineering  
Herman Moench Distinguished Professor  
and Professor of Mechanical Engineering  
Rose-Hulman Institute of Technology  
Terre Haute, Indiana

Professor Robert Steinhauser is truly a master teacher. He has been a member of the Department of Mechanical Engineering faculty at Rose-Hulman Institute of Technology for the past 41 years. His dedication to his students and engineering education is unparalleled.

Steinhauser has been chosen a record four times as the institute's outstanding teacher. In 1980, he was honored by being named the Herman Moench Distinguished Professor. In 1987, he received the Honor Alumnus Award for service to the Rose-Hulman Alumni Association.

Steinhauser received the bachelor's and master's degrees in mechanical engineering from Rose Polytechnic Institute and Stanford University respectively. He joined the mechanical engineering faculty at his alma mater in 1957. He has served the past 23 years as the head of the mechanical engineering department. During his tenure as a department head and teacher, Steinhauser has provided the inspiration and expertise that has guided the mechanical engineering department through an unprecedented period of outstanding development.

He is a gifted teacher who has served as an outstanding role model for faculty, students, alumni and professional engineers.

Doctor of Engineering

Alexander J. Vogl  
Chairman and Chief Executive Officer  
Wilton Corporation  
Palatine, Illinois

Alexander Vogl is a successful business executive who has also held important posts with several educational and business professional organizations. He is the top officer of a privately owned corporation that is a diversified manufacturer of industrial tools and equipment, and tools for the consumer market. Wilton Corporation has five plants located in Illinois, Ohio and Massachusetts.

Vogl was born in Czechoslovakia and served in the United States Navy prior to enrolling at Rose Polytechnic Institute. He joined Wilton Corporation shortly after receiving a degree in mechanical engineering from Rose Poly in 1949. His successes as sales manager led to a promotion to vice president of the corporation in 1955. Vogl was later named president of Wilton in 1959.

In addition to his duties as a chief executive, Vogl has been elected to numerous leadership positions as an officer or board member of business and education-related organizations. He is a longtime member of the Rose-Hulman Board of Trustees, and a life trustee of Illinois Institute of Technology in Chicago. Vogl is a former chairman of the board of the Federal Home Loan Bank of Chicago. He has served as president of the Chief Executives Organization, the Chicago Presidents Organization, and of the Hand Tools Institute. He has also been a director of Dean Foods Company and Clark Foodservice, Incorporated.

## Fifty-Year Commemorative Degrees

For more than a century, 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 1948 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 1948 returned to campus for today's ceremony.

### CLASS OF 1948

John Avery .....	Indianapolis, Indiana
John A. Bartholome.....	Indianapolis, Indiana
Robert Cooney.....	Plainfield, Indiana
Thomas W. Cundiff.....	West Terre Haute, Indiana
Howard Freers.....	Bloomfield Hills, Michigan
Casper W. Haupt, Jr. ....	Augusta, Ontario, Canada
Francis McDonald.....	Indianapolis, Indiana
David Mitchell .....	Cincinnati, Ohio
John Mitchell.....	Cuyahoga Falls, Ohio
Allen Smith.....	Punta Gorda, Florida
William H. Thomas.....	Indianapolis, Indiana



## 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
	Master Thesis indicated in <i>Italics</i>

### ***Graduation Date Designations***

Special codes indicate students who completed their degree requirements prior to May 30, 1998. Those designations are:

a	August 30, 1997
n	November 20, 1997
f	February 26, 1998

## 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, although black is the basic color of the majority of academic gowns. The doctor's gown is 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 black 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 with black tassel.

# Rose-Hulman Institute of Technology

## Candidates for Degrees

### Bachelor of Science

#### CHEMICAL ENGINEERING

	Aduni Itunu Akerele-Ale .....	Hyattsville, Maryland
*	John Darnielle Barr .....	Aurora, Colorado
	Timothy Paul Beery .....	Akron, Indiana
	Patrick Jon Brown .....	Linton, Indiana
*	Benjamin Allen Byers .....	Dale, Indiana
	Timothy Ray Chaffins .....	Indianapolis, Indiana
	Jeffery Glendon Crawley .....	Plainfield, Indiana
**	James Ryan Davis .....	Newburgh, Indiana
***	Terrence Edgar Deak .....	Hammond, Indiana
	Rocco Joseph Dominick .....	Poland, Ohio
	Michael Christopher Ernst .....	Sacramento, California
	Alan Fletcher .....	Redlands, California
*	Joel Michael Gillespie .....	Lake Park, Iowa
G	Chad Geoffrey Grey .....	Brazil, Indiana
	Carl Ernest Hartmann III .....	Plainfield, Indiana
	Jason Todd Kasprzak .....	Elkhart, Indiana
	Erich Ray Kunnemann .....	New Haven, Indiana
	Donald Steven Livingstone III .....	Dyer, Indiana
**	Ryan Joseph Loftus .....	Decatur, Illinois
**	Craig Matthew Miesse .....	Decatur, Indiana
	William Jason Owen .....	Chapin, South Carolina
***	Michael Paul Pape .....	Nashotah, Wisconsin
**	Todd Christopher Pombert .....	Bourbonnais, Illinois
	Holly Linnette Primus .....	Lawrenceville, Illinois
	Christopher G. Riley .....	Colorado Springs, Colorado
	Jeffrey Wayne Schitter .....	Jasper, Indiana
	Andrew James Schwandt .....	Clive, Iowa
**	Matthew Otis St. Lawrence .....	Yakima, Washington
Cn	Ryan Kenneth Summers .....	Crown Point, Indiana
	Michelle Lynne Thomas .....	Beech Grove, Indiana
	Nathan Van Sell .....	Terre Haute, Indiana
G*	Matthew James Vincent .....	Pascagoula, Mississippi
	Wilfred Lawrence Vivo .....	Merrillville, Indiana
	Walter Leo Webb .....	Fort Wayne, Indiana
	Michael Stephen Weinhammer .....	Algonquin, Illinois
**	Amy Christine Werner .....	Tell City, Indiana
	Ryan Lee Willis .....	Englewood, Ohio

#### Two Degrees: CHEMICAL ENGINEERING and CHEMISTRY

A*	Thomas Randall Birch .....	Drexel Hill, Pennsylvania
G**	David William Wallace .....	Reston, Virginia

#### CHEMISTRY

	Steven Allen Baumeister .....	West Allis, Wisconsin
*	Alvin Louis Bennett .....	Indianapolis, Indiana
	Benjamin Cody Brown .....	Arlington, Texas
G**	Stuart Busby .....	Natchez, Mississippi

* Richard Malin Copeland .....	Indianapolis, Indiana
Kevin Andrew Gaither .....	Sullivan, Illinois
Michael Paul Goble .....	Kettering, Ohio
** David Martin Lafkas .....	Cincinnati, Ohio
G Christopher Scott Thomas .....	Terre Haute, Indiana

#### CIVIL ENGINEERING

Donald Raines Bales .....	Terre Haute, Indiana
Christopher Carl Boyd .....	Bloomfield, Indiana
f Jason Brian Bunselmeier .....	Osgood, Indiana
Todd Allen Burch .....	Bainbridge, Indiana
Jesse Dean Comer .....	Osgood, Indiana
Curtis James Craig .....	Nineveh, Indiana
Chad David Ducey .....	Fort Wayne, Indiana
Kent Stephen Elliott .....	Danville, Indiana
AF Eric Roger Ellis .....	North Canton, Ohio
Shawn D. Golden .....	Frankfort, Indiana
John William Grayson .....	Fort Wayne, Indiana
* Peter Edmund Haug .....	Depauw, Indiana
A Michael John Holm .....	Crown Point, Indiana
William John Leber .....	Ramsey, Minnesota
Chad David Mills .....	Zionsville, Indiana
Bryan Joseph Morrison .....	Washington, Indiana
** Brent Gregory Nemeth .....	Rayland, Ohio
C Kelly Lee Ojala .....	Winlock, Washington
* Eric Matthew Panhorst .....	Greensburg, Indiana
Ryan Alan Pownall .....	Bunker Hill, Indiana
Jason Francis Rapplean .....	Marietta, Georgia
Christopher Joseph Rice .....	Mishawaka, Indiana
James Dale Rohrer .....	Alliance, Ohio
* Bradley Andrew Schnarr .....	Jasper, Indiana
* Renee Michelle Schwecke .....	Indianapolis, Indiana
C** Adriano Costa Lima e Silva .....	Bahia, South America
Philip Michael Stevens .....	North Augusta, South Carolina
Timothy Roger Wuestefeld .....	Batesville, Indiana
C* Seth Michael Wurzel .....	Las Vegas, Nevada

#### COMPUTER SCIENCE

* Jeremy Douglas Anthony .....	Kokomo, Indiana
William Kenneth Baran .....	Alden, New York
* Johnathan Lewis Brown .....	Greenwood, Indiana
n* Zoran Cetusic .....	West Frankfort, Illinois
Matthew Xenophon Economou .....	Munster, Indiana
** Benjamin C. Ford .....	West Boylston, Massachusetts
Luke Travis Gilbert .....	Champaign, Illinois
Thomas Hampton Hendrick .....	Sellersburg, Indiana
*** William Tyler Jewell .....	Antioch, California
DeWayne Alan Martin .....	Boonville, Indiana
** Mike R. McLaughlin .....	Portland, Indiana
Edward Michael Pennington .....	Lawrenceburg, Indiana
Dax Ryan Scott .....	Bardstown, Kentucky
Mark James Strayer .....	Houghton Lake Heights, Michigan
Christopher George Swindle .....	Fremont, Indiana
Philip Andrew White .....	Bloomington, Illinois

Double Major in COMPUTER SCIENCE and ECONOMICS

Sean Griffin Lockhart .....Oak Harbor, Washington

Double Major in COMPUTER SCIENCE and MATHEMATICS

\*\* Alexander Frederick Bonjour.....Troy, Michigan  
\*\* Jason Blake Carlyle .....Noble, Illinois  
f\*\* Samuel David Franklin .....Portland, Oregon  
\*\*\* Joshua Michael Horstman.....Indianapolis, Indiana  
f\*\* Nathan Daniel Terpstra.....Kirkwood, Missouri  
Robert D. Volz .....Brownstown, Indiana

ELECTRICAL AND COMPUTER ENGINEERING

ELECTRICAL ENGINEERING

Daniel Thaddeus Austin .....Murfreesboro, Tennessee  
Brian David Bajgrowicz.....Gary, Indiana  
Kent Andrew Bye.....Beech Grove, Indiana  
\*\* James Anthony Costa, Jr. ....Bluffton, Indiana  
\*\* Jason Lee DeBruler .....Centerville, Indiana  
\* Lawrence Paul Drury III .....Chatham, Illinois  
Brian Bo Fowler.....Northville, Michigan  
Rimas Joseph Guzulaitis.....Speedway, Indiana  
\*\* Christopher P. Hansen .....Austin, Texas  
A\* KrisJon Alan Hanson .....Spencer, Iowa  
David Christopher Harms.....Sioux Falls, South Dakota  
\*\* Michael David Hazas .....Louisville, Kentucky  
Arvont LeRin Hill.....East Chicago, Indiana  
\*\*\* Clyde Wallace Hinkle II .....Greencastle, Indiana  
Andrew Stephen Hintz .....Fairfax Station, Virginia  
G\*\*\* Katherine Elaine Hoffmann .....Greenwood, Indiana  
\*\* Matthew Gerald Huizing .....Ada, Michigan  
C Samuel Paul Jackson .....Indianapolis, Indiana  
Aaron M. Jefferson, Sr. ....Indianapolis, Indiana  
M\*\* Nathaniel John Jenniges .....Bremen, Indiana  
\*\*\* Kevin Michael Kayser .....Lexington, Kentucky  
\*\* Jonathan Patrick Kraft .....Green Bay, Wisconsin  
f Scott Thomas Lewis .....Northbrook, Illinois  
A Nicholas Jerome Logan.....Lynnwood, Washington  
Cory Phillip Lytle .....Scottsburg, Indiana  
Heather Marie Marusek .....Bloomfield, Indiana  
Melville Vail McDowell.....Vincennes, Indiana  
William David Mellencamp.....Seymour, Indiana  
Edwin Ernest Morahan .....Bartlesville, Oklahoma  
\* John Royce Orlando.....Seneca Falls, New York  
n\* Perry L. Peters .....Abrams, Wisconsin  
G\*\*\* Michael Eugene Pilcher, Jr. ....Seaford, Delaware  
n\*\* Jeffrey Todd Ramsey.....Booneville, Indiana  
Craig Randall Rice.....Livingston, Montana  
\* Jason Lee Riddle.....Poland, Indiana  
A Michael David Riley, Jr. ....Alexandria, Indiana  
William Shane Rowling .....Batavia, Ohio  
Justin Theodore Schafer .....Terre Haute, Indiana  
Paul Kevin Siktberg.....Indianapolis, Indiana

G**	Jeffrey Thomas Somers	Ann Arbor, Michigan
*	Ivan Michael Svestka	North Riverside, Illinois
**	Bryan Arthur Towne	Chillicothe, Ohio
	Jay Daniel Turner	Robinson, Illinois
	John Wayne Weil	Saint Joseph, Michigan
	Brian Thomas Zabel	Decatur, Illinois
*	Andrew Joseph Zehnder	LaGrange, Kentucky
f	Benjamin David Zeller	Gridley, Illinois

Two Degrees: ELECTRICAL ENGINEERING and MECHANICAL ENGINEERING

*	Scott David Humbert	Harrison, Ohio
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COMPUTER ENGINEERING

**	Matthew Allen Estes	Burke, Virginia
**	Jeremy Daniel Fixemer	Sutton, Nebraska
**	Daniel Wayne Havener	Indianapolis, Indiana
	Stefan Gregory Kaczmarek	Phoenix, Arizona
	John Andrew Larson	Arlington Heights, Illinois
A	Vincent Anthony Maglio	West Chester, Pennsylvania
	Lee Jay McKnight	Pekin, Illinois
*	Geoffrey David Miller	Ottumwa, Iowa
**	Bradley Hunt North	Marion, Illinois
	Daniel Arthur Prentice	Kendallville, Indiana
	Matthew John Rubacha	Griffith, Indiana
	Allan Douglas Runyan	Oakford, Indiana
G**	Arman Sharafshahi	Woodland Hills, California
***	Derek Alan Snell	South Bend, Indiana
	Nathan Subbert	Churdan, Iowa
	Keven John Tynes	Seattle, Washington
C*	Lawrence G. Yarian II	Auburn, Indiana

MATHEMATICS

	Surat Intasang	Kent, Connecticut
*	Jamie Lawrence Kawabata	Beaverton, Oregon
	Richard Dale Reed, Jr.	Harmony, Indiana
Gf***	Patrick Edwin Swickard	Brazil, Indiana

Double Major in MATHEMATICS and COMPUTER SCIENCE

	Troy Dearborn Harriman	Chester Springs, Pennsylvania
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Double Major in MATHEMATICS and PHYSICS

*	Matthew Bruce Adams	Apple Valley, Minnesota
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MECHANICAL ENGINEERING

M**	Jason Howard Anderson	Maineville, Ohio
	Jason Robert Audley	Bloomington, Indiana
	Jodi Lynn Barcus	Farmersburg, Indiana
	Scott Scheil Chasteen	Scottsburg, Indiana
*	Caleb Joseph Coburn	Speed, Indiana

\* Ryan Coartland Connelly .....Clintonville, Wisconsin  
 \* Benjamin Bryan Cotton .....Huntington, Indiana  
 C Robert Keith Crook, Jr. ....Evansville, Indiana  
 Benjamin Phillip Davis.....Plainfield, Indiana  
 Michael C. Dean.....Wyoming, Michigan  
 M John Karl Deselem .....Springfield, Ohio  
 Christopher Todd Field .....Greensburg, Indiana  
 \*\* Michael Edwin Freese .....Stanford, Illinois  
 Andrew Thomas Gant .....Akron, Ohio  
 CM\* Michael Lee Garrison .....Jackson, Wyoming  
 Christopher Paul Gates .....Terre Haute, Indiana  
 Justin Armon Gillie.....Bicknell, Indiana  
 G Samuel Graham Gould .....Eugene, Oregon  
 Eric Paul Greene .....Corydon, Indiana  
 \* Christian Byron Gunter .....Columbia, South Carolina  
 Nathan E. Harold.....Indianapolis, Indiana  
 \* John Curtis Harting .....Terre Haute, Indiana  
 Andrew D. Hartz.....Plymouth, Indiana  
 Andrew Kiel Hoffa .....Center Point, Indiana  
 CM\* Joel Herbert Jansen .....Norfolk, Nebraska  
 Zachary Wade Johnson.....Terre Haute, Indiana  
 G Matthew Joseph Kiel .....Middlebury, Indiana  
 \*\* Brett Jeremy Kleeberger .....Richfield, Minnesota  
 M\*\* William Eric Korkki .....Pearland, Texas  
 Curtis Roman Kuebel .....Lawrenceburg, Indiana  
 Shawn Lee Lawson .....Marion, Indiana  
 \* Michael Lensi .....Brick, New Jersey  
 Jay C. Logan.....Colleyville, Texas  
 f\* Marc Gregory Martino .....Greeley, Colorado  
 Garrick Anthony Maurer.....Elkhart, Indiana  
 f Seth Aber McElhinney.....Los Osos, California  
 A Christopher Schuyler Meyer.....Loveland, Ohio  
 Jason Frederick Miner .....Wisner, Nebraska  
 A Chad Ryan Mobley .....Fishers, Indiana  
 Navin Sudath Damitha Moonesinghe .....Sri Lanka  
 David Alfonzo Moore.....Indianapolis, Indiana  
 James Eugene Moran .....Cedar Rapids, Iowa  
 Aaron Scott Ness.....North Judson, Indiana  
 David Robert Norris .....Lynn, Indiana  
 Rod Tyler Peterson .....Hawley, Minnesota  
 \* Charles Michael Poi.....Indianapolis, Indiana  
 Barry Charles Portman.....Saint Charles, Missouri  
 f Neil Thomas Powell .....Findlay, Ohio  
 Joshua Andrew Putnam .....Menomonee Falls, Wisconsin  
 \* Andrew John Ritchison.....Anderson, Indiana  
 Hans Eric Ritter .....Batesville, Indiana  
 Marc Vincent Robert .....Greenville, South Carolina  
 Daniel Lewis Robinson.....Terre Haute, Indiana  
 \*\*\* Heath Richard Roettig .....Kalispell, Montana  
 Bradley Michael Rudolph .....Waterloo, Indiana  
 Daniel Baran Ruzicka .....Rohnert Park, California  
 Gentan Schulteis .....Manteno, Illinois  
 Gf Byron Michael Shea .....Merrillville, Indiana  
 \*\* Raymond Christopher Shute .....Palos Park, Illinois  
 Jeremy Loren Shuter .....Westport, Indiana  
 Nicholas Adam Skwiat .....Michigan City, Indiana  
 Andrew Thomas Smith.....Indianapolis, Indiana

G	Clayton Cowper Smith	Austin, Texas
*	Kevin Allen Spindler	Haubstadt, Indiana
	David Scott Swedelius	Eagan, Minnesota
	Jason Roy Thompson	Van Horne, Iowa
f	Scott Robert Thorley	Kirklin, Indiana
G	Aaron Allen Trisler	Martinsville, Indiana
	Ryan William Van Voorhis	Carmel, Indiana
	Ty Carter Vierling	Cedar Rapids, Iowa
	Robert Edward Voros	Westchester, Illinois
	Kelly Eric Ward	Owensboro, Kentucky
	Mark Edward Ward	Rockport, Indiana
***	Ryan T. Ward	Columbia City, Indiana
f	Bryan Douglas Whitsell	Gallatin, Tennessee
	Gabriel Eli Widmer	West Lafayette, Indiana
f	Robert William Zembrodt	Fort Wright, Kentucky

Two Degrees: MECHANICAL ENGINEERING and ELECTRICAL ENGINEERING

f**	Jonathan David Isom	Topeka, Kansas
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## PHYSICS AND APPLIED OPTICS

### PHYSICS

	Brad Eugene Bailey	Lincoln, Illinois
A	Jonathan Allan Nall	Elizabethtown, Kentucky

### APPLIED OPTICS

	Steven Michael Miller	Richmond, Indiana
	Scott Allen Nield	Plainfield, Indiana
	Daniel Jeremy Pattridge	Whitehouse, Texas

### Double Major in APPLIED OPTICS and MATHEMATICS

**	Gregory Allen Williby	Valrico, Florida
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### Two Degrees: APPLIED OPTICS and MECHANICAL ENGINEERING

*	Dung Tien Duong	Falls Church, Virginia
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# MASTER OF SCIENCE

## APPLIED OPTICS

- Joseph Bezouska .....Westchester, Illinois  
*“Ultraviolet, Visible, and Near-Infrared Laser Induced  
Fluorescence of Limestone”*  
Thesis Advisor: Professor Sudipa Kirtley
- a Bryan Hall .....Johnstown, Ohio  
*“Application of Magneto-Optic Kerr Techniques for  
Domain Observation in Transformer Steel (SiFe)”*  
Thesis Advisor: Professor Jerome Wagner
- f Andreas Heidebrecht .....Stuttgart, Germany  
*“Fabrication and Testing of a Photorefractive  
Polymer Composite”*  
Thesis Advisor: Professor Azad Siahmakoun
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