

Spring 5-26-2001

# 2001 Rose-Hulman Institute of Technology : One-Hundred and Twenty-Third Commencement

Rose-Hulman

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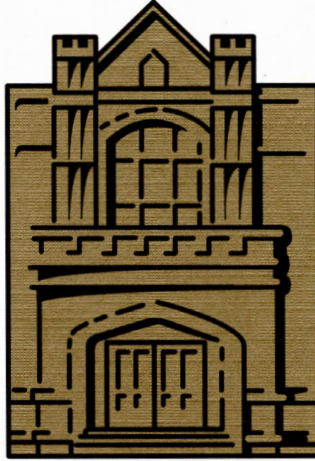
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*Rose-Hulman*  
INSTITUTE OF TECHNOLOGY

*One Hundred and Twenty-Third  
Commencement  
May 26, 2001*

**One Hundred and Twenty-Third**

**Commencement**

**of**

**Rose-Hulman Institute**

**of Technology**



**11 a.m., May 26, 2001**  
**Sports and Recreation Center**

## Commencement Program

Prelude .....	“Trumpet Tune in D” by H. Purcell
Academic Procession .....	Peter A. Gustafson, B.S., M.S. <i>Marshal</i>
Processional .....	<i>Indianapolis Emerald Society Firefighters</i>
National Anthem .....	Rose-Hulman Chorus
Invocation .....	Nicholee H. Page <i>Co-President, Senior Class</i>
Greeting from the Alumni .....	Patrick H. Cahill, B.S., M.B.A. <i>President, Alumni Association</i>
Response from the Senior Class .....	Daniel P. Costenaro <i>Co-President, Senior Class</i>
Introduction of Commencement Speaker .....	Timothy B. Moy <i>President, Student Government Association</i>
Commencement Address .....	David O. Swain <i>Senior Vice President of Engineering and Technology</i> <i>President, Phantom Works</i> <i>The Boeing Company</i>
Awarding of Heminway Medal.....	Barry A. Benedict, 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. <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>
Robert E. Bright, (Doctor of Engineering), Introduced by Ronald S. Artigue, B.S., M.S., D.E.	
Robert J. Cooney, (Doctor of Engineering), Introduced by James L. McKinney, B.S., M.S., Ph.D.	
Robert Fischer, (Doctor of Science), Introduced by Roger G. Lautzenheiser, B.A., M.A., Ph.D.	
Richard Miyamoto, M.D., (Doctor of Engineering), Introduced by Richard E. Stamper, B.S., M.S., Ph.D.	
William D. Schindel, (Doctor of Engineering), Introduced by James R. Eifert, B.S., M.S., Ph.D.	
David O. Swain, (Doctor of Engineering), Introduced by Arthur B. Western, 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 A. Benedict
Board of Trustees’ Outstanding Scholar Award .....	B. Guille Cox, Jr. <i>Chairman of the Board of Trustees</i>
President’s Outstanding Service Award .....	Samuel F. Hulbert
Alma Mater.....	Rose-Hulman Chorus
Benediction .....	Brad E. Swearingen <i>President, Blue Key</i>
Recessional .....	“Rondeau” by J. J. Mouret
Postlude .....	“Allegro Moderato” by G. Young

Organ Music by Steve McCullough

## **Honorary Degrees**

### **Doctor of Engineering**

Robert E. Bright  
Retired Division Vice President  
Electrical Specialties Division  
3M Company  
Austin, Texas

Robert Bright has served at the executive engineering management level for 3M Company, a \$17 billion diversified technology company with operations in 60 countries. From the beginning of his 3M career, Bright was involved in the development of new products, processes, and organizational structure.

After graduating from Rose-Hulman in 1957 with a bachelor of science degree in chemical engineering, Bright joined 3M as a project engineer and designed, fabricated and procured equipment related to new chemicals and products. Following a two-year assignment in the United States Army Corps of Engineers, Bright returned to 3M to provide engineering support to a new 3M venture in the area of nuclear products. Several promotions followed and Bright held various positions including pilot plant supervisor, production manager, and plant manager. He was appointed Global Manufacturing Director of Printing Products and Industrial Graphics divisions in 1973.

Bright was promoted to Executive Director of Staff Manufacturing in 1983. In that position, he established programs used corporatewide and assisted all 3M divisions to solve their manufacturing problems. His first division vice president's position was in the engineering systems division. This assignment included global management of all functions from development and manufacturing to marketing. He also served as vice president of the document systems division before his last assignment as division vice president for electrical specialties division. He retired from 3M in 1994. Bright has served as a member of the Rose-Hulman Board of Trustees since 1991.

### **Doctor of Engineering**

Robert J. Cooney  
Retired Director of Public Works for the State of Indiana  
and formerly Director of Utilities and Chief Engineer  
of the Indiana Public Service Commission  
Naples, Florida

After serving in World War II in the counterintelligence section of the United States Army in the Pacific, Robert Cooney earned a bachelor of science degree from Rose-Hulman in 1948 and began a distinguished civil engineering career. After working as an assistant transmission engineer for the Ohio Public Service Company, Cooney returned to his native Indiana as a senior engineer and project manager for the construction of the Indianapolis Water Company's major storage area, Morse Reservoir.

In 1961, Cooney's career shifted to city and state public works and utility projects. He served as Director of Public Works for the State of Indiana during which he supervised several hundred employees and managed a \$400 million budget. Cooney was in charge of the maintenance of state-owned buildings and all new construction, except for roadways and university projects. Cooney received citations for his engineering expertise from state government officials. In 1971, Cooney was appointed to analyze the structure, procedures and staffing of the engineering unit for the Indiana Public Service Commission.

At the age of 53, Cooney completed law school at Indiana University and passed the bar exam. In 1985, a few years after retiring from the engineering profession, Cooney joined the Indianapolis law firm of Linder and Hollowell. He retired from his law career in 2000. Cooney has been honored as an Engineer of Distinction by the National Engineers Joint Council, and was named a Fellow by the American Society of Civil Engineers.

### **Doctor of Science**

Robert J. Fischer  
Mathematics Teacher  
Honey Creek Middle School  
Terre Haute, Indiana

Robert Fischer is an extraordinary teacher who has instilled in his students the desire to achieve excellence that has led them to national recognition as some of America's best young mathematicians. A teacher with unsurpassed energy and dedication, Fischer uses academic competitions to stimulate learning and supplement the excellent classroom instruction he provides his middle-school students. His teams have won the Indiana Mathcounts competition championship for 17 consecutive years. In 1995, he coached the Indiana team to a national Mathcounts title. The Fischer-coached Indiana team in 1997 was national runner-up, and 10 of his state teams have finished in the top 10 in the national finals.

Fischer has also coached middle-school mathematics teams to 30 state championships in competition sponsored by the Indiana Mathematics League. Since initiating a mathematics contest for fifth and sixth graders in the Vigo County School Corporation in 1986, over 4,000 students have participated in the annual event.

His work to encourage young students to excel has gone beyond mathematics to chess and tennis. For 22 years, Fischer coached and sponsored a chess program at Woodrow Wilson Junior High School in Terre Haute which produced four national championship teams. Fourteen of his teams won Indiana titles. Fischer has coached middle-school tennis teams to 25 undefeated seasons and 35 Vigo County championships. Fischer has been honored by the Indiana Association for the Gifted, Indiana State University, the Terre Haute Area Chamber of Commerce, and the United States Chess Federation. He has also been named to the Indiana Tennis Coaches Hall of Fame. Fischer received his bachelor's and master's degrees in mathematics education from Indiana State University.

### **Doctor of Engineering**

Richard T. Miyamoto, M.D.  
Arilla Spence Devault Professor and Chairman  
of the Department of Otolaryngology-Head and Neck Surgery  
Indiana University School of Medicine  
Indianapolis, Indiana

Thousands of people have had their hearing restored as the result of a medical breakthrough achieved by Richard Miyamoto and his colleagues. Miyamoto is a member of the medical team that developed the first successful cochlear implant. The implant is an electronic device that restores a level of hearing to the severe-to-profoundly hearing impaired. It is surgically implanted in the inner ear and activated by a device worn outside the ear. Patients who have had hearing and lost it, or those who have never heard, have benefited from the cochlear implant.

Miyamoto has received numerous honors from American and English organizations for his professional achievements. His research expertise is in the area of speech perception, speech production and language development in children with cochlear implants. He is president of the American Neurotology Society and president-elect of the Association for Research in Otolaryngology. Miyamoto serves on the executive committee of the American Auditory Society, and is a director of the American Board of Otolaryngology. He is also a member of the Medical Advisory Board of the National Organization for Hearing Research and the Ear Foundation.

He received his M.D. from the University of Michigan, the master's degree from the University of Southern California and his bachelor's degree from Wheaton College. He has twice been named the Outstanding Professor in Clinical Sciences at the Indiana University School of Medicine. Miyamoto has frequently served as a guest lecturer to Rose-Hulman students enrolled in biomedical engineering.

## **Doctor of Engineering**

William D. Schindel

President

International Centers for Telecommunications Technology

Terre Haute, Indiana

During his 30-year engineering career, William Schindel has contributed to improving the performance of the system engineering process in aerospace, telecommunications, automotive and enterprise systems. He is co-founder and president of the International Centers for Telecommunications Technology, a professional services company specializing in complex systems technology transfer licenses, products, and knowledge-based technology services. ICTT, a joint venture with Rose-Hulman, targets the telecommunications, complex process manufacturing, and large-scale property management markets. In 1998, he founded System Sciences which publishes and licenses intellectual assets in the field of complex systems.

In 1974, Schindel co-founded Applied Computing Devices which supplied embedded and distributed systems for improving the performance of global telecommunications carriers. He led the design of hardware and software of embedded processors that were installed in one-fourth of the North American public switching nodes. The company was a pioneer in large-scale automated domestic and international carrier network operations centers and systems. In 1985, he co-founded Aleph Park Corporation, a not-for-profit economic development organization, that initially planned and developed Aleph Park which is now the home of Rose-Hulman Ventures.

Schindel earned the bachelor's and master's degrees in mathematics from Rose-Hulman. He has served as a member of the Rose-Hulman faculty and as director of the college's Edward Waters academic and administrative computing center. He developed new courses in computer science, electrical engineering and mathematics. Rose-Hulman honored him in 1982 when it presented him with the college's first Distinguished Young Alumnus Award. Schindel was elected to the Rose-Hulman Board of Trustees in 1984.

## **Doctor of Engineering**

David O. Swain

Senior Vice President of Engineering and Technology

and President, Phantom Works, The Boeing Company

Seattle, Washington

In his role as senior vice president of engineering and technology, David Swain leads the Boeing Engineering Process Council with the objective of lowering cost and increasing performance by establishing standards, common tools, best practices, and by growing technical experience. As president of Phantom Works, the research and development organization of Boeing, he leads an organization that is dedicated to advancing the company's competitiveness through technology development, process improvement and new product development.

Prior to his current assignment, Swain was vice president of engineering for The Boeing Company and executive vice president of Phantom Works. He has also served as vice president and general manager of advanced systems and technology-Phantom Works for McDonnell Douglas, the research organization that was the prototype for the merged research and development operation. Swain joined McDonnell Douglas in 1964 as an engineer on the manned Gemini project. In 1972, he moved to Tactical Missile programs and worked on the Tomahawk and Harpoon/Standoff Land Attack Missile. In 1987, he became vice president and general manager for strategic business development for McDonnell Douglas Astronautics Co.

An Indiana native, Swain received a bachelor's degree in aeronautical engineering and an honorary doctorate in engineering from Purdue University. He has received the Aerospace Engineering Leadership Award from the Society of Automotive Engineers, and the Laurel Award from Aviation Week for the successful first flight of the C-17 Globemaster III. He is an associate fellow of the American Institute of Aeronautics and Astronautics. Swain also serves on the board of directors of the National Action Council for Minorities in Engineering.

## **Fifty-Year Commemorative Degrees**

For one hundred and twenty-seven 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 1951 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 1951 returned to campus for today's ceremony.

### **Class of 1951 Attending Commencement 2001**

Raymond Baker..... Sarasota, Florida  
Arthur Ebeling..... Wheeling, Illinois  
William Kallansrude ..... Farmingdale, New York  
Bruce Morehead ..... Plano, Texas  
Robert Powell ..... Manhattan Beach, California  
Eugene Schroeder..... Indianapolis, Indiana  
Howard Scott ..... Raytown, Missouri  
Seibert Thomas ..... Terre Haute, Indiana  
Carlyle Wokasien ..... Springboro, Ohio



## 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 26, 2001. Those designations are:

a	August 26, 2000
n	November 20, 2000
f	February 26, 2001

## 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 red and white tassel.

### ***RHIT Master's Degree Attire***

Master's degree hoods for Rose-Hulman Insitute 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 red and white tassel.

# Rose-Hulman Institute of Technology

## Candidates for Degrees

### Bachelor of Science

#### CHEMICAL ENGINEERING

	Peter George Argiris .....	Streamwood, Illinois
	LaTisha Ann Arroyo .....	Sullivan , Indiana
**	Adam William Borgman .....	Osgood, Indiana
	Kristopher Neil Chaney .....	Brookville, Indiana
	Tonya Lynn Cole .....	Knox, Indiana
*	Richard Malin Copeland .....	Indianapolis, Indiana
*	Jessica Jeanette Deutsch .....	New Prague, Minnesota
C	William Patrick Duffey .....	Vestavia Hills, Alabama
	Lucas James Elliott .....	Tama, Iowa
*	Michelle Elizabeth Everley .....	Stockbridge, Michigan
*	Melissa Kathryn Gillis .....	Terre Haute, Indiana
	Travis Michael Gilmour .....	Rising Sun, Indiana
	Gregory Michael Gotwald .....	Washington, Indiana
**	Robert Kevin Grieshop .....	Coldwater, Ohio
**	Daniel Martin Hallow .....	Madison, Indiana
	Charles Alan Hayden, Jr. ....	Owensboro, Kentucky
	Craig Alan Holder .....	Evansville, Indiana
	Travis Neal Holler .....	Kokomo, Indiana
G*	Jason Andrew Kahlhamer .....	Inver Grove Heights, Minnesota
*	Danial Joseph Kercheval .....	Sheridan, Indiana
**	Ellen Elizabeth Kotal .....	Decatur, Illinois
	Jon Michael Lachowitz .....	Cohasset, Minnesota
**	Bradley James Larson .....	Waupaca, Wisconsin
	Melissa Brooke May .....	Terre Haute, Indiana
*	Zachery Stephen Miller .....	Glouster, Ohio
	Dean W. Moll .....	Dyer, Indiana
**	Karen Tobey Moore .....	Spartanburg, South Carolina
	Curtis Todd Newell .....	Fountain Inn, South Carolina
*	Brian D. Nixon .....	Mapleton, Illinois
	Patricia Louise Nordmeyer .....	Terre Haute, Indiana
	Laura Beth Olson .....	Fort Wayne, Indiana
	Jennifer Marie Osborn .....	Charleston, Illinois
*	Aaron Lee Paris .....	Cloverdale, Indiana
	Peter William Sargent, Jr. ....	Huber Heights, Ohio
**	Nicholas Michael Scheidler .....	Muncie, Indiana
G	William James Sellis .....	Highland, Indiana
**	Andrew L. Smith .....	Nappanee, Indiana
*	Leah Denae Smith .....	Eckerty, Indiana
*	Trent Michael Sommer .....	Hillsboro, Illinois
*	Travis David Soyer .....	Norwalk, Iowa
*	Amanda Leigh Stuchel .....	Toledo, Ohio
	Ann Marie Swistek .....	Michigan City, Indiana

*	Megan Lee Switzer .....	Falling Waters, West Virginia
	Andrew J. Tochterman .....	Greentown, Indiana
	Matthew Lucas Walter .....	Garrett, Indiana
	Erica Nicole Wassel .....	Robinson, Illinois
	Jason Ryan Winkler .....	Hillsboro, Illinois
C*	Michael Messinger Zavatsky .....	Buffalo Grove, Illinois

## CHEMISTRY

	Brett Dillon Bobzien .....	Bloomington, Indiana
	Rania Ruth Kashlan .....	Terre Haute, Indiana
	Amy Michelle Rainbolt .....	Greenwood, Indiana
**	Michael John Shevlin .....	Evansville, Indiana
	Addie Mae Turner .....	Terre Haute, Indiana

## CIVIL ENGINEERING

	Kirk Errol Allen .....	Westport, Indiana
*	Terranna May Baranowski .....	Noblesville, Indiana
	Christopher Lee Bauer .....	Terre Haute, Indiana
	Grant David Bryant .....	Terre Haute, Indiana
	David Lee Christmas .....	Evansville, Indiana
	Todd Allen Cosby .....	Petersburg, Indiana
	Isaac Desmond DeBurger .....	Osgood, Indiana
	John Ryan Doty .....	Indianapolis, Indiana
*	Jamia Erin Haenggi .....	Olney, Illinois
C	Timothy James Hayes .....	Ft. Wayne, Indiana
	Ryan Joseph Hoerst .....	Harrison, Ohio
	Austin Michael Holcomb .....	Angola, Indiana
C	Jessica Sue Huggins .....	New Brighton, Pennsylvania
**	Matthew Gilbert Kahle .....	Minneapolis, Minnesota
	Kyle Hancock Kindle .....	Greenwood, Indiana
**	Nathan David Knies .....	Jasper, Indiana
*	Stephen Nathaniel Krause .....	Cullom, Illinois
	Robert Thomas Ladisich .....	Sauk Village, Illinois
	Maceo Russell Lewis IV .....	Reynoldsburg, Ohio
AF**	Kelly Micheal McAtee .....	St. Helens, Oregon
C*	Tarelle Jo Osborn .....	Lynden, Washington
	Harold Dwight Plance III .....	Scott Depot, West Virginia
AF	Dustin Charles Richards .....	Wood River, Illinois
*	Glenn Michael Ritzi .....	Brookville, Indiana
	Troy Michael Swan .....	Terre Haute, Indiana
*	Scott Michael Tomlinson .....	Robinson, Illinois
C	Matthew John York .....	Lyons, Indiana

## COMPUTER SCIENCE

G	Andrew Robert Barkley .....	Columbia City, Indiana
	Nathan Conrad Beittenmiller .....	Manchester, Missouri
f	David Lawrence Ciarrocchi .....	Fairbank, Pennsylvania
*	Kenneth Wendel Crabb .....	Woodbury, Minnesota
	Kit Ryan Crafton .....	Greencastle, Indiana
	Andrew Eugene Engle .....	Adamstown, Maryland
	Aaron Nicholas Eppert .....	New Alesace, Indiana
	S. Victor Fong .....	Sacramento, California
G	Elija Zachery Hart .....	Kokomo, Indiana
	Joseph Lee Kramer .....	Cincinnati, Ohio
f	Neal John Kuenne .....	Medford, Wisconsin
f	Erik Carl Larson .....	Newburgh, Indiana
*	Matthew Earl Longest .....	Bowling Green, Kentucky
f	Justin Jonathan McKinley .....	Greensburg, Indiana
	Edward Michael Colbert Daniel Liam O'Connor .....	Scituate, Massachusetts
f	Karen Rei Pease .....	Kingwood, Texas
*	Derek Richard Plote .....	Elkhorn, Wisconsin
	Jay Michael Richmond .....	Indianapolis, Indiana
	Miles Delane Rincker .....	Altamont, Illinois
	James Michael Rose .....	Wheeling, West Virginia
	Kent Steven Rosenkoetter .....	Princeton, Illinois
	Andrew Carl Schott .....	Dearborn, Michigan
	Matthew Ryan Sheeche .....	Princeton, Indiana
*	Andrew David Sipe .....	Fort Wayne, Indiana
*	Katherine Faye Thayer .....	Kirkwood, Missouri
	Benjamin Robert Walter .....	Selinsgrove, Pennsylvania
**	Peter Allen Webb .....	Indianapolis, Indiana

### Double Major in COMPUTER SCIENCE and ECONOMICS

f*	Jason David Borneman .....	Sharpsville, Indiana
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### Double Major in COMPUTER SCIENCE and MATHEMATICS

I**	Stephen Matthew Brewer .....	Malvern, Arkansas
*	Nicholas Abraham Cohen .....	Rhineland, Wisconsin
f**	Samuel Eric Holster .....	Iron Mountain, Michigan
***	Jerod James Weinman .....	Alliance, Nebraska

### Triple Major in COMPUTER SCIENCE, MATHEMATICS and ECONOMICS

MI**	Eduardo Luis Escardó-Raffo .....	Lima, Perú
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## ECONOMICS

John James Swiercinsky ..... Mokena, Illinois

### Double Major in ECONOMICS and MATHEMATICS

Leslie Ann Kutsenkow ..... Carmel, Indiana

## ELECTRICAL AND COMPUTER ENGINEERING

### ELECTRICAL ENGINEERING

- \* Zyad Yusuf Abyad ..... Indianapolis, Indiana
- Jason Allan Bevington ..... Bethlehem, Pennsylvania
- Todd Michael Brooks ..... Greensburg, Pennsylvania
- Benjamin Ray Brown ..... Gaston, Indiana
- Donald Keith Casey, Jr. .... Kankakee, Illinois
- \*\* Ryan Jackson Claus ..... St. Louis, Missouri
- Damon Mark Conover ..... Edinburgh, Indiana
- Michael Wayne Cox ..... Danville, Illinois
- \*\* Mark Edward Deal ..... New Palestine, Indiana
- G\*\* Shawn Michael Denlinger ..... Centerville, Ohio
- Nathaniel Chapin Ellis ..... Sisters, Oregon
- Shana Dee Ellis ..... Linton, Indiana
- Karl Jay Galambak II ..... Chesterton, Indiana
- Brian Joseph Garden ..... Indianapolis, Indiana
- \*\* Mark Robert Gildersleeve ..... Muncie, Indiana
- Andrew Thomas Goepfner ..... Jasper, Indiana
- \*\* Michael Scott Gramelspacher ..... Jasper, Indiana
- Scott David Grenert ..... Lakeville, Indiana
- Jonathan Charles Harris ..... Fort Walton Beach, Florida
- Gregory Michael Hatzl ..... Minooka, Illinois
- Jason Daniel Hause ..... Martinsville, Indiana
- \* Amy Lynn Hentz ..... Greenville, Illinois
- \*\* Paul Christian Kappler ..... Shoreview, Minnesota
- Benjamin Lawson Laureys ..... New Carlisle, Indiana
- Matthew William LeVora ..... Bloomington, Indiana
- f Jason Douglas Lockard ..... Lafayette, Indiana
- Jason Cole Lucas ..... Fairfield, Montana
- David Wendel McCoy ..... Metropolis, Illinois
- \* Adil Miyanji Musabji ..... South Holland, Illinois
- Jeremy Kent Nolan ..... Paoli, Indiana
- C Joshua Kenneth Osborn ..... Poneto, Indiana
- AF William Richard Packham ..... Valparaiso, Indiana
- Andrea Michelle Putteet ..... Decatur, Indiana
- Amanda Jo Rice ..... Tipton, Indiana
- Matthew Scott Seeley ..... Hobart, Indiana
- AF Matthew David Shike ..... Munster, Indiana
- Joshua David Short ..... Franklin, Indiana

- G\*\* Dwight C. Smalley ..... Jeffersonville, Indiana
- AF Edward Joseph Stapanon III ..... Lexington Park, Maryland
- Jay Mark Switzer ..... Prince Frederick, Maryland
- f\*\* Caleb Joe Tennis ..... Terre Haute, Indiana
- \* Eric Matthew Waters ..... Woodburn, Indiana
- \* Carl Gregory Zawistoski ..... Ellettsville, Indiana

Two Degrees: ELECTRICAL ENGINEERING and MECHANICAL ENGINEERING

- \*\* John William Meyer III ..... Clarksville, Indiana

Double Major in ELECTRICAL ENGINEERING and COMPUTER ENGINEERING

- \* Peter C. Haugen ..... Arvilla, North Dakota
- \* Michael David Black ..... Terre Haute, Indiana

Double Major in ELECTRICAL ENGINEERING and COMPUTER SCIENCE

- \* Ryan Alan Barton ..... Terre Haute, Indiana

Double Major in ELECTRICAL ENGINEERING and MECHANICAL ENGINEERING

- \* Ryan Gordon Benhard ..... Newport Beach, California

COMPUTER ENGINEERING

- Austin Brock Atchison ..... New Castle, Indiana
- Joshua Dean Brant ..... Louisville, Illinois
- \*\* Bradley Edward Braun ..... Columbia City, Indiana
- \*\* Kenneth Lee Breiding III ..... Kent, Washington
- Carrie Ann Cartier ..... White Bear Lake, Minnesota
- \*\* Thomas Charles Clancy III ..... Indianapolis, Indiana
- M Conrad Isaac Coffman ..... Decatur, Indiana
- Sean Owen Connolly ..... Carmel, Indiana
- \*\* Daniel Paul Costenaro ..... St. John, Indiana
- Genti Cuni ..... Torino, Italy
- Adam Jarrard Eckerle ..... Jasper, Indiana
- \* Kevin Eric Frank ..... Huber Heights, Ohio
- n Kristopher T. Grant ..... Terre Haute, Indiana
- \* Andrew Charles Hammond ..... Elmhurst, Illinois
- \* Colin Peter Hill ..... Colorado Springs, Colorado
- \* Paul György Holly ..... Cedar Hill, Texas
- \* Caryl Matthew Hornberger III ..... Kendallville, Indiana
- f\*\* Robert Kober ..... Indianapolis, Indiana
- Jennifer Kathleen McGuire ..... Prairie Village, Kansas
- f\*\* Ryan Dean Miller ..... Portland, Oregon
- \*\* Tammy Rebecca Misuinas ..... Bedford, Massachusetts
- Timothy Brian Moy ..... Lincolnwood, Illinois
- S Scott Gregory Ohlmiller ..... Mt. Prospect, Illinois

n	Ryan Nicholas Powell .....	Franklin, Indiana
	Eric Keith Reid .....	Las Vegas, Nevada
**	Dustin Kenneth Sapp .....	Crestwood, Kentucky
f***	Kevin Patrick Schaaf .....	Martinsville, Indiana
**	Luke Jon Skelly .....	Gig Harbor, Washington
**	Rory Thomas Sledge .....	Franklin, Indiana
	Dominick Scott Smith .....	Norridge, Illinois
G*	Paul Samuel Sparacino .....	Hebron, Indiana
**	Brad Eric Swearingen .....	London, Indiana
	Dustin Ray VanTassel .....	Madison, Indiana
	Brooklyn Nicole Walter .....	Piqua, Ohio
f*	Charles Joseph Williams .....	Smyrna, Tennessee
	Christopher Sean Williams .....	Smyrna, Tennessee
**	Jordan Micah Williford .....	Sterling, Kansas
	Derrick Brent Wilson .....	Ellensburg, Washington

#### Double Major in COMPUTER ENGINEERING and MATHEMATICS

**	Dennis Jinn Lin .....	Shelton, Connecticut
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#### MATHEMATICS

	David Alexander Powder .....	Tipp City, Ohio
	Kristin Elizabeth Roth .....	LaPorte, Indiana
f	Janet Elizabeth Trimm .....	Birmingham, Alabama

#### Two Degrees: MATHEMATICS and COMPUTER ENGINEERING

*	Jonathan Eugene Webster .....	Louisville, Kentucky
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#### Double Major in MATHEMATICS and COMPUTER SCIENCE

f**	Timothy Paul Kilbourn .....	Avon, Indiana
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#### MECHANICAL ENGINEERING

***	Adam Christopher AufderHeide .....	Oshkosh, Wisconsin
	Vinay Basavaraja .....	Muncie, Indiana
	Brian Joseph Blessinger .....	Huntingburg, Indiana
*	Justin David Blomenberg .....	Seymour, Indiana
*	Paul Benjamin Borries .....	Evansville, Indiana
f	Frances Mary Bowley .....	Lincoln, Nebraska
*	Robert Brandon Buxton .....	Osgood, Indiana
**	Michael James Case .....	Auburn, New York
***	Mark Owen Caswell .....	Pittsford, Michigan
	Christine Renée Chung .....	Franklin, Indiana
	Kevin Michael Culbreth .....	Lake Village, Indiana
	Jennifer Marie Dilling .....	Warsaw, Indiana

	Matthew Alan Egenolf .....	Plainfield, Indiana
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- \*\* Juliana Curtis Van Winkle ..... Libertyville, Illinois
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- Rebecca Jean Vinson ..... Indianapolis, Indiana
- Matthew Allen Ward ..... Bargersville, Indiana
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APPLIED OPTICS

- Jeremy Scott Oliver ..... Pittsboro, Indiana

Two Degrees: APPLIED OPTICS AND MATHEMATICS

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*"Hydroxyapatite Precipitation on the Surface of Ceramic Fiber  
(78%SiO<sub>2</sub> - 22% Al<sub>2</sub>O<sub>3</sub>) Soaked in Simulated Body Fluid"*

Thesis Advisor: Professor Samuel Hulbert

Jill N. Riley ..... Mooresville, Indiana

*"New Light-Activated Surgical Adhesive for Tissue Closure"*

Thesis Advisor: Professor Karen McNally

### CHEMICAL ENGINEERING

Chad M. Belschner ..... Fort Wayne, Indiana

*"Estimating Productivity and Recovery for a Protein  
Separation by Gel Filtration Chromatography"*

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Rebecca C. Smith ..... Plainfield, Indiana

*"Design and Implementation of an Inferential Control Scheme  
for the Corning Distillation Column"*

Thesis Advisor: Professor Ronald Artigue

Xiaopeng Yu ..... Beijing, China

*"Roles of Sodium and Cobalt in a High Capacity Metal Oxide NO<sub>x</sub> Sorbent"*

Thesis Advisor: Professor Hossein Hariri

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Stephan Gabriel ..... Dessau, Germany

*"Microcontroller-based Fuzzy Controller for a Ball-and-Beam Balancer"*

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the Remote Power System Sizing Problem"*

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- Anagha More ..... Pune, India  
*"Using a Configurable Flight Recorder for Thermostat Monitor Calibration Development"*  
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*"Fixed-point Implementation of Federal Standard 1016 Code Excited Linear Predictive Coder on Texas Instruments TMS320C6701 EVM"*  
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*"Preprocessing of Data for a Virtual Sensor Using Mutual Information"*  
 Thesis Advisor: Professor Keith Hoover
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*"Active Noise Control on Texas Instruments TMS3206701 DSP EVM"*  
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*"Evaluating Options to Reduce the Nitrate Contamination  
 of the Drinking Water in Perrysville, Indiana"*  
 Thesis Advisor: Professors Robert Houghtalen and Sharon Jones
- Kelly L. Pennell ..... Indianapolis, Indiana  
*"Batch Testing of Oxidation Applications for the Removal of  
 Trichloroethylene (TCE) and Benzene from the Dissolved Phase"*  
 Thesis Advisor: Professor Sharon Jones
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*"Evaluating Options to Reduce the Nitrate Contamination  
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*"Batch Testing of Oxidation Applications for the Removal of  
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 Thesis Advisor: Professor Sharon Jones

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*“The Influence of Load and Tire Pressure on Passenger Car  
Tire Noise Due to Tire Carcass Vibrations”*

Thesis Advisor: Professor Darrell Gibson

Erik Z. Hayes ..... Stevensville, Montana

*“The Effect of Muffler Redesign on Engine Performance and  
Acoustic Characteristics of a Stihl 044 Chain Saw”*

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*“Modeling Flow Between Concentric Rotating Cylinders”*

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