# Rose-Hulman Institute of Technology Rose-Hulman Scholar

Commencement Programs

Spring 5-29-2004

# 2004 Rose-Hulman Institute of Technology : One-Hundred and Twenty-Sixth Commencement

Rose-Hulman

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# One Hundred and Twenty-Sixth Commencement May 29, 2004

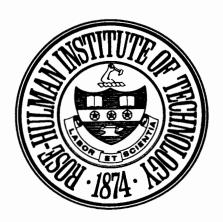
# One Hundred and Twenty-Sixth

# **Commencement**

of

# Rose-Hulman Institute

of Technology



11 a.m., May 29, 2004 Sports and Recreation Center

# 2004 Commencement Program

Prelude "Piece Heroique" by Cesar Franck
Academic Procession
Processional
National Anthem
Invocation
Greeting from Alumni
Response from Senior Class
Introduction of Commencement Speaker
Commencement Address
Awarding of Heminway Medal
John T. Royse Award
Herman A. Moench Distinguished Senior Commendation
Awarding of Honorary Degrees
Ben F. Brian III (Doctor of Engineering), introduced by Ronald S. Artigue, B.S., M.S., D.E. Michael L. Hatfield (Doctor of Engineering), introduced by Edward Wheeler, B.S., M.S., Ph.D. Joy E. Hulbert (Doctor of Humane Letters), introduced by William Eccles, S.B.E.E., S.M., Ph.D. Samuel F. Hulbert (Doctor of Engineering), introduced by James R. Eifert, B.S., M.S., Ph.D Jeffrey S. McCreary (Doctor of Engineering), introduced by Frederick C. Berry, B.S., M.S., D.E.
Presentation of Fifty-Year Commemorative Degrees
Conferring of Degrees
Outstanding Graduate Thesis Award
Dean's Outstanding Teacher Award
Board of Trustees' Outstanding Scholar Award
President's Outstanding Service Award
Alma Mater
Benediction
Recessional

#### **Honorary Degrees**

#### **Doctor of Engineering**

Ben F. Brian III
Vice President of Research and Development
Radiant Medical Incorporated
Menlo Park, California

Ben Brian has used his engineering expertise to help develop new medical devices that hold promise for significant improvement in the treatments available to heart disease and stroke patients. Brian is currently involved in the development of endovascular temperature therapy systems to manage patient temperature by raising, lowering or maintaining blood temperature. Cooling the body in this manner protects tissue, critical to the heart following a heart attack and to the brain following a stroke.

Brian serves as vice president of research and development for Radiant Medical Inc., a leading medical technology company, headquartered in Redwood City, Calif. Radiant Medical is developing and investigating state-of-the-art endovascular temperature therapy systems to advance the treatment of patients with acute conditions. Before joining Radiant Medical last year, Brian was vice president of engineering for CardioVention where he led the development and manufacturing of a compact heart-lung bypass system which improves patient care during open-heart surgery. The design received national recognition which included the Gold Medical Device Excellence Award, and recognition from Design News magazine which awarded his design first place in its Excellence in Design Competition.

Before accepting his management position at CardioVention in Santa Clara, Calif., Brian was Strategic Marketing Director for the Ethicon Division of Johnson & Johnson. He directed global strategic and market opportunity assessments to decide where the company would invest in emerging technologies. His first job after earning the bachelor's degree in chemical engineering in 1982 from Rose-Hulman and subsequent master's and doctoral degrees in chemical engineering from Arizona State University, was with COBE Laboratories in Denver in 1989. At COBE, he worked on development projects for blood oxygenators and directed the development of COBE's biomaterials development. These products are current market leaders.

Brian holds four patents and has three patent applications pending. In 2002, Rose-Hulman presented him with a Distinguished Young Alumnus Award.

#### **Doctor of Engineering**

Michael L. Hatfield Founder and Chief Strategy Officer Calix Incorporated Petaluma, California

As a highly successful entrepreneur and engineer, Michael Hatfield is leading the growth of a second technology-based company he has created in California. As founder of Calix Inc., Hatfield provides management and technical expertise for the company to be a leading supplier of telecommunications solutions designed to simplify all aspects of voice, data and video service delivery for local exchange carriers of all sizes. Hatfield is also committed to community service as illustrated by the volunteer activities Calix supports and by the educational and economic development projects Hatfield has supported in his home state of Indiana.

Prior to creating Calix in Petaluma, Calif., Hatfield was co-founder and chief operating officer of Cerent Corporation, an industry leader in high-speed optical transport. Cerent was purchased by Cisco Systems in 1999. Before Cerent, Hatfield was the original vice president of marketing at Advanced Fibre Communications where he built the customer marketing, customer service and product management groups for the company's digital loop carrier product. He began his career with Indiana Bell Telephone as a network planning engineer.

A major gift from Hatfield to his alma mater enabled Rose-Hulman Institute of Technology to build an outstanding facility that houses a 600-seat theatre to showcase the performing arts talents of students, rehearsal rooms for student drama and music groups, an Alumni Center, and administrative offices. Hatfield Hall opened in August, 2002. The building is named in honor of Mike's parents, Larry and Pat. Mike Hatfield has also provided the financial support to launch the new Indiana Venture Center to increase entrepreneurship in the state.

Hatfield earned a bachelor of science degree in electrical engineering and mathematical economics from Rose-Hulman Institute of Technology in 1984 and an MBA in finance from Indiana University.

#### **Doctor of Humane Letters**

Joy E. Hulbert
Mother, First Lady of Rose-Hulman
Institute of Technology, and Community Volunteer
Terre Haute, Indiana

Raising three children, enjoying 10 grandchildren, serving as a volunteer leader and filling the role of First Lady of Rose-Hulman Institute of Technology has led to an active and rewarding life for Joy Hulbert. The successes she has enjoyed as a mother, wife and grandmother are among her most treasured experiences. Those experiences are memorable because of her family: husband Sam; Rose-Hulman graduates Greg and Jeff; and daughter Samantha.

Joy Hulbert grew up in Hamburg, N.Y., and earned a Bachelor of Arts degree in English Literature in 1960 from Alfred University in Alfred, N.Y. It was at the university where she met Sam Hulbert and married him in September after graduation. The family grew as Sam Hulbert's educational career advanced during his tenure at Clemson and Tulane universities. In September, 1976, she assumed another role and, it could be said, an even larger family when she became the First Lady of Rose-Hulman Institute of Technology upon her husband's appointment as president of the Institute.

She was quickly called upon by community groups seeking her leadership skills in various volunteer capacities. For 27 years, Hulbert has been a volunteer with the Terre Haute YWCA. She has served on its Board of Directors, Board of Trustees and as chair of the YWCA Financial Development Committee and Campaign Co-Chair of the YWCA Building Expansion in 1990. She has served on the Terre Haute Symphony Board of Directors' Finance Committee and as vice president of membership and ticket sales. She has been on the Board of Directors of TREES, Inc. and has served as vice president and president of PEO Chapter BN. For 10 years, Hulbert was a volunteer for the Terre Haute Tennis Club where she was director of some of the club's junior tennis tournaments. She has also been active with the Rose-Hulman Women's Club and as a volunteer for the Vigo County Historical Society.

Her involvement with Rose-Hulman students is illustrated by her role in the creation of the Delta Delta Delta sorority chapter at Rose-Hulman. Hulbert has been president and treasurer of the chapter's House Corporation. Each year, the Rose-Hulman Parents' Association presents the Joy Hulbert Award to a woman who has given extraordinary support to Rose-Hulman students. The college's tennis courts are named in honor of Hulbert, an avid and competitive tennis player. Joy's interest in young people is never more evident than the affection she has for her grandchildren—Anna, Kathryn, Sam, Jake, Frank, Grace, Foster, Beck, Madeline and Harrison.

#### **Doctor of Engineering**

Samuel F. Hulbert
Educator, Biomedical Engineer
and President of
Rose-Hulman Institute of Technology
Terre Haute, Indiana

During an exceptional career in higher education and as an internationally known biomedical engineer, Samuel Hulbert has provided leadership that has resulted in education programs considered to be national models, and in the creation of medical devices that have significantly improved health care. His leadership during an unprecedented 28-year tenure as president of Rose-Hulman Institute of Technology has resulted in the Institute earning a reputation as the best college or university of its kind in America. He is known worldwide for his pioneering use of ceramics in the design of new medical devices and products. Hulbert is considered by colleagues to be the "father" of the biomaterials field.

He has led Rose-Hulman to historic growth and development since his appointment as the 11th president of the college in 1976. During his tenure, Rose-Hulman completed a successful transition to become a coeducational institution in 1995. Rose-Hulman has earned a national reputation as a college that attracts the nation's most academically talented students who are taught by faculty who are exceptional teachers. During the past decade, the largest campus improvement program in the college's history has resulted in academic and student services facilities that are the envy of other undergraduate colleges and universities.

Prior to his arrival at Rose-Hulman, Hulbert made important contributions to improve academic programs at Alfred, Clemson and Tulane universities. After earning a doctorate degree in ceramic engineering from Alfred, Hulbert began his career teaching mathematics and physics at his alma mater. At Clemson, he served as associate dean, professor and director of materials engineering and biomedical engineering. In 1973, he was appointed dean of the School of Engineering, professor of bioengineering, and adjunct professor of biomaterials in the Tulane School of Medicine.

Hulbert has received honorary doctorate degrees from Clarkson, Indiana and Indiana State universities. He has been honored by European and American medical societies. He is the co-founder of the Society for Biomaterials, an international organization that promotes advances in all phases of biomaterials research. Rose-Hulman has honored Hulbert in several ways, including the creation of a faculty chair in his name, a scholarship in biomedical engineering named for him in recognition for his professional achievements, and the Hulbert Outstanding High School Teacher Award which will be awarded annually. The college's varsity basketball and volleyball court is named Hulbert Arena in honor of Samuel and Joy Hulbert.

Samuel Hulbert has a passionate concern for students and a deep appreciation for the well-being of every member of the Rose-Hulman family. The creation of a strong sense of campus community is an accomplishment for which he is most proud. Despite the demands for his time and expertise, Hulbert continued to teach undergraduate students and to advise graduate students.

#### **Doctor of Engineering**

Jeffrey S. McCreary Senior Vice President, Manager Worldwide Sales and Marketing Texas Instruments Dallas, Texas

Jeffrey McCreary has made important contributions that have helped Texas Instruments Inc. grow into a world leader in digital signal process and analog technologies, the semiconductor engines of the Internet age. During a 23-year Texas Instruments career, McCreary has managed worldwide product development for advance systems logic products, led business units to record profits, and designed and led the introduction of a number of semiconductor products. In his current position, McCreary is responsible for directing the company's worldwide account management and sales, field-deployed applications support and channel marketing activities that generate \$10 billion in annual sales. This marketing and sales organization includes more than 1,000 employees.

Prior to being named senior vice president, manager worldwide sales and marketing in 1998, McCreary was vice president, Americas sales and marketing. The group included 500 employees who were responsible for generating \$3 billion in annual sales. He directed the development and implementation of the industry's first comprehensive data base for tracking design engagements, a leading indicator of sales. As general manager of advanced systems logic products, McCreary managed worldwide product development and the Americas profit and loss center for the company's highest unit-volume business.

From 1990-93, he led the company's worldwide military products unit. He directed a restructuring that positioned the group as the company's top business unit in regard to profit from operations. McCreary has also led the successful development of new digital signal processing products for military use. Earlier in his career, he established the company's business strategy for engaging with major telecom accounts which resulted in sales growth at major accounts of over 50 percent in a two-year period.

McCreary earned a bachelor of science degree from Rose-Hulman Institute of Technology in 1979. He has been an active volunteer for the college as a member of the Rose-Hulman Board of Trustees, corporate ambassador and as volunteer for the Alumni Association. McCreary was presented with the Rose-Hulman Distinguished Alumnus Award in 1998.

#### **Fifty-Year Commemorative Degrees**

For one hundred and thirty 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 1954 by presenting commemorative degrees to those 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 1954 returned to campus for today's ceremony.

# Class of 1954 Attending Commencement 2004

Frederick Corban	Indianapolis, Indiana
Derald Heady	Indianapolis, Indiana
Bronwyn Hillman	Anchorage, Alaska
Owen Meharg	Indianapolis, Indiana
Robert Rader	Roswell, Georgia
John Sawyers	Clarkston, Michigan
J. Daniel Scott	Cordova, Tennessee
Edgar Utterback, Jr.	Terre Haute, 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.

- \* Cum Laude
- \*\* Magna Cum Laude
- \*\*\* Summa Cum Laude
- G Technical Translators Program-German
- A U.S. Army Commission
- 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 or Engineering Management Project indicated in *Italics* 

#### **Graduation Date Designations**

Special codes indicate students who completed their degree requirements prior to May 24, 2004. Those designations are:

- a August 30, 2003
- n November 24, 2003
- m March 1, 2004

#### 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.

#### Upsilon Pi Epsilon

Maroon and white cords signify membership in Upsilon Pi Epsilon, the International Honor Society for the Computing and Information Disciplines.

# Rose-Hulman Institute of Technology Candidates for Degree

# **Bachelor of Science**

# APPLIED BIOLOGY AND BIOMEDICAL ENGINEERING

# APPLIED BIOLOGY

***	Amanda Lynn Stephens	
	CH	HEMICAL ENGINEERING
*	Claire Marie Amundson	Dawson Springs, Kentucky
		Terre Haute, Indiana
**		South Bend, Indiana
*		
•		
**		
AF*		
*		
***		
*		Sheridan, Indiana
*		Jasonville, Indiana
*	Christopher Paul Emborsky	yIndianapolis, Indiana
*		Indianapolis, Indiana
**		Brownsburg, Indiana
*		
***	Aleksandar Goreski	
	Cole William Hays	
m**		Richland, Washington
***		
*	Gina R. Kulas	
S		
**		
G		Dyer, Indiana
		Evansville, Indiana
**		
**		Indianapolis, Indiana
*		Evansville, Indiana
*		Lexington, Kentucky
•		
**		
*		
		Shepardsville, Indiana
*		

	Joseph Harley Teal
	Two Degrees: CHEMICAL ENGINEERING and CHEMISTRY
***	Lisa Michelle Hall
	Double Major in CHEMICAL ENGINEERING and COMPUTER SCIENCE
	Brian Robert Klimaszewski
	CHEMISTRY
AF ** ***	David Brett AllenLitchfield, IllinoisAudra Maleé CurrySeneca, South CarolinaKenneth Allen Fields IIMilford, OhioJohn Stephen Gofus IIIPottstown, PennsylvaniaJess McDowell GunnWeatherby Lake, MissouriDong Sung HamToledo, OhioBrandon Scott ThompsonNew Castle, IndianaJamie Michelle ThompsonLadysmith, Wisconsin
	CIVIL ENGINEERING
* C* C C**	Matthew Alan Alexander Sarah Danyelle Bireley Terre Haute, Indiana Timothy Michael Brown Clinton Tyler Bryant Aaron Johnson Chandler Troy Cornell Cunat Troy Cornell Cunat Charity Suzzette Dudley Chartiny Suzzette Dudley Martinsville, Illinois Noah John Fehrenbacher John Andrew Furry Mechanicsville, Iowa Jacob Gennicks Linton, Indiana Matthew Samuel Gibson Matthew Joseph Horne Bloomington, Indiana Brad William Pickering Creenville, South Carolina Scott Anthony Otto Brad William Pickering Merica Dorado, Puerto Rico Amee Nicholle Wicks Grovertown, Indiana Dylan Todd Tarr Newton, Illinois James Joseph Walter Dorado, Puerto Rico Amartinsville, Illinois Martinsville, Illinois Matthew Joseph Horne Bluffton, Indiana Jacob Allen Wilhoit Martinsville, Illinois
	Double Major in CIVIL ENGINEERING and MATHEMATICS
**	Matthew Nielsen Albert
	COMPUTER SCIENCE
*** * m*	David Björn Aramant.Crestwood, KentuckyZachary Ezra Bertram.New Whiteland, IndianaVictoria Caryn Bowman.Indianapolis, IndianaCourtland Robert Caldwell.Lake Bluff, IllinoisRyan J. Cavanaugh.Sioux Falls, South Dakota

m**	Danielle Danita Claxton	Billings, Montana
m*	Stuart Nolan Ford	.Crawfordsville, Indiana
•	Kevin Alexander Gorski	
	Joshua Reuben Hertz	Durham, North Carolina
	Steven Daniel Hoelle	
	William Benjamin Hoffman	
	Aydrian Jeremiah Howard	
O **	Jonathan David Huang	
G**	Timothy Richard Hunt	
	Jeremy Daniel Jarvis	
**	Timothy Peter Jasko	
*	Jonathan Graham Knez	Rockford Illinois
*	Brian Alan Kopecky	
***	Alex Victor Kutsenok	
	Benjamen Charles Linden	
G*	Zachary Pahl Lute	. Michigan City, Indiana
**	Zackery Joseph Miller	Rushville, Indiana
	Christopher Palmer Moore	
*	Mark Stephen Newheiser	
*	Kanishk Priyadarshi	
m	Nicholas James Reiman	
m**	Joseph Edward Richey	
G*	Micah T. Taylor	
m	Michael Stephen Tryczak	
*	Shawn Robert Windler	Fowler, Indiana
	Todd Robert Windler	
	Joseph Richard L. Woods	
	Double Major in COMPUTER SCIENCE and MATH	EMATICS
I**	Daniel Alexander Abretske	
**	Jeremy Scott Barton	
***	Anthony David Bergstrom	•
m***		
*	Erik Daniel Halvorson	
*	Collin Lewis Krepps	
m	John Waldo Newquist	
**	Katie Elizabeth Overton	
***	Ryan Eugene Poplin	
	Double Major in COMPUTER SCIENCE and SOFTWARE	ENGINEERING
AF*	Ian Christopher Price	Fort Knox, Kentucky
	ECONOMICS	
	Samuel Peter Zurcher	Clay City, Indiana

# ELECTRICAL AND COMPUTER ENGINEERING

#### ELECTRICAL ENGINEERING

**	William Rodgers Ackerly	
**	John Harold Robert Amt	
	Rachel Elizabeth Andre	.Pittsburgh, Pennsylvania
**	Andrew George Batta	St. Leon, Indiana
	Geoffrey Ryan Bebb	Wexford, Pennsylvania
*	Travis Allan Boehm	Holland, Indiana
	Brian Kelly Brecheisen	
	Allison Manee Burkey	
	Scott Phillip Clark	
	Jason Ashley Clifford	
	Chad Michael Curtis	
	John Marcus Dunbar	
	John Franklin Eagle	
	Alejandro Espinosa	
AF*	Rebecca Nicole Franki	
	Michael Ashton Gaintner	
**	Nicholas Adam Reuer Gergely	
**	Nathan Scott Goergen	
**	Robert Ian Grubb	
***	Scott F. Herber	
**	Bradley Ryan Hulsman	
**	Jeffrey Thomas Keacher	
	Calvin Lynn Kerner	.Dickinson, North Dakota
**	Katherine Elizabeth LaFoe	
	Jed Anthony Marshall	Evanston, Indiana
AF	Amanda Louise Martin	
**	Aaron Thomas McCombs	
	Aaron William Merkel	
	James Andrew Miernicki	Somonauk, Illinois
G	John Patrick Morahn	
*	John Paul Myers	Mishawaka, Indiana
*	Joseph Daniel Obirek	
	Nichole Marie Parke	
AF***	Hannah Rosalia Pauley	
111	Jeremiah Andrew Rushing	
	Jeremy Kermit Sands	Bowling Green, Indiana
	Benjamin F. Schweikhardt	
	Joshua Neil Scott	
AF*	Jesse Paul Somann	Neosho, Wisconsin
	Kevin C. Spontak	Columbus, Ohio
m	Christopher Michael Strain	Terre Haute, Indiana
	Michael Alan Stuckey	
**	Kari Michelle Unverfehrt	
	Mark Richard Vyvoda	Avon Lake, Ohio
n**	James Raleigh Walters	
	Adam Michael Windmiller	Roachdale, Indiana
	Double Major in ELECTRICAL ENGINEERING and COMPL	ITER ENGINEERING
**	Ryan Wallace Kingsbury	
***	Jason Philip Roehm	
	•	
	Double Major in ELECTRICAL ENGINEERING and M	MATHEMATICS
**	Graeme Lennon Mason	West Lafayette, Indiana
		-

#### COMPUTER ENGINEERING

m ** *** GI***	Jeffrey Allen BumgardnerDanville, Indiana Brent Shannon CastleIndianapolis, Indiana Stephen William CaudleMount Airy, North Carolina Matthew Adam CertainWest Terre Haute, Indiana Nicholas Don DamesLa Porte, Indiana Brandon James FreyBatesville, Indiana Jonathon Champ FullerDunkirk, Indiana Chris M. GeigerManhattan, Montana
Gl	Kyle Howard Heath
	David Alan Hodges
	Matthew Edward Howard
*	Nicholas Adam Hritsko
m*	Michael David Martin
111	André G. Moorman
	Heather Aileen O'Hearn
	Joseph Allen Ohliger
*	Andrew Michael Orlowski
**	Steven Thomas Parker
I*	Matthew James Reddick
-	Alvin Ray Ruth
m**	Robin Stacia Rzepczynski
	David Richard Schue
**	Richard Cort Severns II
	Bruce Allen Thackery
	Scott Michael Turner
	Troy B. Wilson
	Double Major in COMPUTER ENGINEERING and COMPUTER SCIENCE
***	Logan Matthew Harper
**	Jeremy James Turpen
	Double Major in COMPUTER ENGINEERING and ELECTRICAL ENGINEERING
*	Brad Charles Buening
	Double Major in COMPUTER ENGINEERING and MATHEMATICS
**	Michael Joseph Slavik
	MATHEMATICS
m*	Scott Gerard Mollan
**	Nic A. Trainor
	MECHANICAL ENGINEERING
C***	Genevieve Suzanne Apke
*	Eric James Arnett
*	Luke Glen Asleson
**	Douglas Edward Barker
	Erin Nicole Bender
*	Michael David Bergfeld
	Aaron David Bergh
m***	Robert Earl Bettcher III

	Karen Michelle Bonnema	DeMotte, Indiana
• •	Andrew Joseph Boyd	•
	Matthew D. Brandt	
	David Lee Breiding	
**	Gregory Thomas Busch	
**	Anthony Dieter Carlson	
	William Jerry Casey	
	Matthew Taylor Clark	
	Christine Heather Coats	
	Matthew Lucius Colatruglio	
	Andrew John Courtice, Jr.	
	Michael Kennon Cusic	
	Keenan Joseph Davis	
	Andrew Damon DeMarco	
m		
m *	Ronald Edward Dempsey	Voltano Indiana
**	Justin John Dillman	Nachvilla Indiana
	David Michael Dzwonek	Tymputor Washington
С		
C,	James Martin FioRito	Diaminatan Indiana
**	Derek Scott Frank	
	Andrew Thomas Frink	
	Jessica Lynn Gardner	Evanguilla Indiana
	Daniel Scott Goebel	
	Lynsey Nicole Hart	
	Nicole Marie Hartkemeyer	
	Christopher Michael Hegge	
**	David William Holthaus	
	Kristopher Kelly Hunt	
	Ruth Barbara Jacobson	
A	Jackson Myrl Jenkins	Daria Illinois
Α	Joseph Charles Kachmar II	
	Artur Pawel Katny	
AF*	Peter Lawrence Keyo	
AF**	Beverly Ann Kocher	
Ar.	Cody Ryan Kothera	•
**	Jillian Jeanne Kurdys	
	Jason Patrick LaBella	
	Cooper William Lacy	
	Mark Joseph Ladd	
	Gary A. Lane	
	Jeremiah Dean Lane	
	Chee-Ee Lo	
	Patrick Lee Lunsford	
*	Drew Patrick Lyons	
**	Samuel Jacob Martin	
	Jennifer Susan Matheny	
	Mary-Kathleen McShane	
m	Brandon Edwin Menke	
**		
***	James Christian Merk	
*	Duane Thomas Meyer	
**	Aaron Randy Miller	
**	Jeremy Ryan Morris	
*	Ronald Lee Nicholls II	
•	Christopher Robin Nordyke	
	Ryan Douglas Paige	
	Beau Daniel Parks	

	Jon Frederick Pohlman	
	Ryan Patrick Posey	
**	Caleb Cody Reed	
	Mark Christopher Reeves	
*	Rachel Doris Rieck	Janesville, Wisconsin
m	Patrick Ryan Robert	
	Benjamin Tyler Rush	
	Karl Paul Schneider	
	Jonathan Robert Schroeder	
	Jennifer Lynn Shafer	
	Michael William Shipley	
	Robert Randall Sills	Three Rivers, Michigan
*	Zachariah Samuel Sitterding	Batesville, Indiana
	Stephen Joseph Skillen	
*	Justin Randall Smith	
	Matthew Conard Smith	
**	Ryan Dale Smith	
	Matthew Michael Spurgeon	
	Jordan Shea Strunk	Portland, Tennessee
	Conrad Soorba Tucker	
m*	David Paul Villescas	
	Benjamin Edward Waite	
*	Neal Wayne Wallace	
	Benjamin Jeffery Watson	
AF m***	Emily Nichole Williams	
m**	Bradley Alan Woodcox	
111	Wesley Colton Worsham	
	Faul Michael Zhillichilathi	
	Double Major in MECHANICAL ENGINEERING and COM	IPUTER ENGINEERING
**	Michael Nathan Chansky	Burnsville, Minnesota
	PHYSICS AND OPTICAL ENGINEERI	NG
	PHYSICS	
		Los Alamos, New Mexico
	Zachary Sebastian Hiland	
***	Brian Joseph Hirsch	
	Matthew Mason Kropf	
	Eric So	
S**	Eric Duane Sword	Indianapolis, Indiana
	OPTICAL ENGINEERING	
S	Rachel L. Beittenmiller	
G**	James Anthony Nagel	
S	Clifford John Przybyl	
*	Zachary Alexander Roth	
	Ryan William Thompson	Brookville, Indiana

# **Master of Science**

# **BIOMEDICAL ENGINEERING**

a	Ching-Hsung Chen
n	Travis M. Gilmour
	Terry D. Hardin
	Grant T. Hoffman
n	Matthew R. Kane
	CHEMICAL ENGINEERING
	John D. Cole
	Clay D. Fette
	Wei Ren
	Sapan Sood

#### **ELECTRICAL ENGINEERING**

m	Anthony Kang
m	Monideep Mukherjee
	Scott G. Ohlmiller
n	Guoguang Rong
n	Lin Zhao
	Wenyan Zhu
	ENGINEERING MANAGEMENT
m	Chantel Nicole Booth
m	The Manufacture of Retail Grade Ethanol from Food Processing Waste Streams
m	The Manufacture of Retail Grade Ethanol from Food Processing Waste Streams Project Advisor: Professor Thomas Mason  David E. Brown
m	The Manufacture of Retail Grade Ethanol from Food Processing Waste Streams Project Advisor: Professor Thomas Mason  David E. Brown
m	The Manufacture of Retail Grade Ethanol from Food Processing Waste Streams Project Advisor: Professor Thomas Mason  David E. Brown

m	Depot Systems Engineering Improvement and Reorganization Project Advisor: Professor Terry Schumacher
	John D. Moore
	Koji Okamoto
	Scott Allen O'Neal
	Mukund Y. Patel
m	Michael Seifert
	Kenneth L. Swank
m	Cheryl E. Sylvester
	Thomas Al Van Talbert
	Lauren R. Toffolo
-	Ethan R. Warner
2.2	Keith J. Yeager

# **MECHANICAL ENGINEERING**

	Identification and Analysis of Auger Screw Design Parameters for Use in Wheel Tractor Scrapers Thesis Advisor: Professor Darrell Gibson
	Amith K. Arigapudi
	Steffen Finck
	Hongbing Fu
a	James A. Laser
	Aaron J. Rausch
a	Jianren Rong
	OPTICAL ENGINEERING
	Christina S. Bauer
m	Nigel C. Sayers
a	John G. Smith

# SUMMER COMPLETION

# CHEMICAL ENGINEERING

S	Amber Lynn Desormier Surprise, Arizona Brady Jean Eastridge Nashville, Indiana David Alan Ewoldt Chesterton, Indiana Sarah Jayne Goodridge Evansville, Indiana Jason Robert Strobel La Porte, Indiana
	COMPUTER SCIENCE
	Christopher Joseph CsicskoFort Wayne, IndianaStephen Joseph Culver.Plantation, FloridaJuan Pablo Gonzalez.Buenos Aires, ArgentinaMartin J. Laritz.Clarkston, MichiganEric David Lewandowski.Indianapolis, IndianaBenjamin A. Sproat.Terre Haute, IndianaLewis Hardy Spry.Wilmington, North Carolina
	Double Major in COMPUTER SCIENCE and APPLIED BIOLOGY
	Brandon Michael Invergo
	ELECTRICAL AND COMPUTER ENGINEERING
	ELECTRICAL ENGINEERING
	Daniel David Mayhill
	COMPUTER ENGINEERING
	Scott Richard Biddlestone
	True Degrees: MATHEMATICS and ECONOMICS
	Two Degrees: MATHEMATICS and ECONOMICS  Brandon David Ross
	Double Major in MATHEMATICS and COMPUTER SCIENCE
	Jeremy Lindsey Groven
	MECHANICAL ENGINEERING
G	Cyril Aaron Paul DuffalaCrown Point, IndianaChase Edward EscottBroussard, LouisianaMatthew Dewane JacksonDayton, Ohio
	PHYSICS AND OPTICAL ENGINEERING
	Double Major in PHYSICS and MATHEMATICS
	Adam Michael Thompson

# **NOVEMBER COMPLETION**

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COMPUTER SCIENCE
Ryan Allen Dagey
ELECTRICAL AND COMPUTER ENGINEERING
ELECTRICAL ENGINEERING
Michael Antonio KincaidPhoenix, ArizonaJennifer Suellen MorrisonTerre Haute, IndianaSteven Robert VitulloArlington Heights, Illinois
MECHANICAL ENGINEERING
Ahmed Khamis Al-Shamisi Al-Ain City, United Arab Emirates Aaron Vincent Gordon Cambridge City, Indiana Tyler Adam Gremore Vincennes, Indiana Jackson Blair McWhorter Zionsville, Indiana Elizabeth Eve Purdy Terre Haute, Indiana Brent Curtis Walker Rockville, Indiana
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