#### Rose-Hulman Institute of Technology Rose-Hulman Scholar

Commencement Programs

Spring 5-24-2008

# 2008 Rose-Hulman Institute of Technology : One-Hundred and Thirtieth Commencement

Rose-Hulman

Rose-Hulman Institute of Technology, weir1@rose-hulman.edu

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# One Hundred and Thirtieth

### Commencement

of

# Rose-Hulman Institute of Technology



11 a.m., May 24, 2008 Sports and Recreation Center

2008 Commencement Program

### 2008 Commencement Program

Prelude
Academic Procession
Processional
National Anthem
Invocation
Welcome
Comments from Senior Class
Awarding of Heminway MedalArthur Western, B.S., M.S., Ph.D. Vice President for Academic Affairs and Dean of the Faculty
John T. Royse Award
Herman A. Moench Distinguished Senior Commendation Keith Hoover, B.S., M.S., Ph.D. Professor of Electrical and Computer Engineering
Outstanding Graduate Thesis Award
Introduction of Honorary Degree Recipient
Awarding of Honorary Degree
Introduction of Commencement Speaker
Commencement Address
Presentation of Fifty-Year Commemorative Degrees
Conferring of Undergraduate Degrees
Conferring of Master's Degrees
Recognition of Students Anticipating Degrees
Greeting from Alumni
Dean's Outstanding Teacher Award
Board of Trustees' Outstanding Scholar Award
President's Outstanding Service Award

"Alma Mater"	Rose-Hulman Performing Arts Ensemble
Benediction	
"Dear Old Rose"	
Recessional	Crossroads Brass

Alma Mater Music by Raymond Mech Lyrics by Andrew Mech

Here in central Indiana
is the school we know is best.
Rose-Hulman, Yes, our Alma Mater
far surpasses all the rest.
Sing her glories and her praises
in every way she does excel.
Rose-Hulman, you're our Alma Mater
our Alma Mater loved so well.

Rose did more than set foundations for the work that was to come.

The people here became as family;

Rose became another home.

Though we live at quite a distance and time has passed since our farewell,

Rose-Hulman you have grown yet dearer our Alma Mater loved so well.

Dear Old Rose The School Fight Song Words and Music by Malcolm C. Scott, Class of 1922

Dear Old Rose
The sweetest flower that grows
Here's to your colors rose and white
Here's to the ones who've kept them bright.
Colors true for those who honor you
Here's to everything you've done,
Here's to every fight you've won.
Dear Old Rose.



# Honorary Degree and Commencement Speaker

Honorary Doctor of Humane Letters Brad Ellsworth, U.S. Representative Eighth District, Indiana Evansville, Indiana

Currently in his first term as congressional representative for Indiana's Eighth District, U.S. Rep. Brad Ellsworth has a history of public service.

Ellsworth began a 24-year career in the Vanderburgh County Sheriff's office in 1982. Twice, he was decorated for heroism in the line of duty. In 1998, he was elected Vanderburgh County sheriff, completing two terms. During his tenure as sheriff, he became a leader in the war on methamphetamines and started Indiana's most comprehensive web site to track and monitor sexual offenders. He also served as president of the Indiana Sheriff's Association.

In 2006, Ellsworth, a Democrat, was elected to the U.S. House of Representatives, where he serves on the House Armed Services, Agriculture and Small Business Committees.

As a member of the House Armed Services Committee, Ellsworth has traveled to Iraq three times to visit U.S. troops and get a firsthand assessment from U.S. and Iraqi officials of the situation there.

In his work on the House Agriculture Committee, Congressman Ellsworth has spent most of his term working on the Farm Bill to preserve the safety net for Hoosier family farms, increase investment in home-grown energy, and promote conservation.

Since joining the House Small Business Committee, the congressman introduced legislation to cut the red tape hampering many small business owners. He recently was awarded the U.S. Chamber of Commerce Spirit of Enterprise Award in recognition of his support of pro-business policies in Congress. Ellsworth also is a member of the fiscally conservative Blue Dog Democrats and is working to reduce waste, fraud and abuse of taxpayers' dollars in Washington.

Ellsworth was born in Huntingburg, Indiana, but lived nearly all of his life in Evansville where his father worked as a crane operator in the Warrick County Alcoa plant. He attended University of Southern Indiana where he received a bachelor's degree in sociology, and he obtained a master's degree in criminology from Indiana State University. He also graduated from the FBI National Academy.

The congressman and his and his wife, Beth, reside in Evansville. They have a daughter, Andrea, who attends Indiana University. The family attends St. Agnes Catholic Church.

### A Brief History of Rose-Hulman/Rose Poly

Rose-Hulman Institute of Technology was founded in 1874 by Terre Haute entrepreneur and philanthropist Chauncey Rose, whose goal was to form an institution that provided an "intellectual and practical education." The college originally was incorporated as the Terre Haute School for Industrial Science, but was renamed in 1875 by the Board of Managers to Rose Polytechnic Institute in honor of founder Chauncey Rose. In 1971, the college was renamed to Rose-Hulman Institute of Technology to recognize the long-time support of the Hulman family of Terre Haute. Rose-Hulman originally was located at 13th and Locust streets in what is now north central Terre Haute and home to Chauncey Rose Junior High School. The campus moved to its present location in 1922 thanks to a donation of part of the Hulman family farm in 1917. The Institute's first president, Charles O. Thompson, charted an educational course that stressed hands-on learning guided by top faculty in their respective fields. The focus of the college's education was broad-based engineering, science and mathematics, and that emphasis continues today.



The milestones are numerous in the educational road traveled and, many times, blazed by Rose-Hulman. Included among them are:

- The post-World War II years when the campus was graduating three classes a year, and married students lived in barracks erected on campus.
- A gift from the Olin Foundation that resulted in construction of Olin Hall and sparked a curricular revolution accompanied by millions of dollars worth of construction that spanned two decades.
- Rose-Hulman's transition to coeducation from an all-male college in 1995.

Today, Rose-Hulman's undergraduate enrollment stands at 1,800. Those students can choose from 15 degree programs in engineering, science and mathematics. Eight graduate programs are offered at Rose-Hulman.

The college's reputation has been strong since its inception and it has continued to grow. For the past nine years, Rose-Hulman has been ranked number one by engineering educators as the nation's best college or university that offers the bachelor's or master's degree as its highest degree in engineering, according to rankings included the "America's Best Colleges" guidebook published by U.S. News & World Report.



### 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 1958 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 1958 returned to campus for today's ceremony.

### Class of 1958 Attending Commencement 2008

Cecil Ambuehl, La Palma, California Frederick Fowler, Noblesville, Indiana Robert Fowler, Jamestown, Indiana Norman Grimshaw, Salem, South Carolina John Kassebaum, Carmel, Indiana Charles Kleptz, Union, Ohio Frank Larr, Westfield, Indiana Gary Leavitt, Petersburg, Indiana William McKee, Deltaville, Virginia Thomas McPherron, Saint Louis, Missouri James Massey, Lancaster, Ohio Gerry Mattern, Ligonier, Pennsylvania Glen Miles, Mooresville, Indiana Frank Molinaro, Munster, Indiana Ronald Reeves, Terre Haute, Indiana Gary Tate, Vincennes, Indiana William Weil, Golden, Colorado

#### 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 with 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. Students graduating cum laude, magna cum laude or summa cum laude wear gold honor cords

#### 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.

#### Current and Past Trustee Chair

Black gown with red chevrons bordered in gold piping, and red, front panels.

#### Trustees

Black robes with black chevrons bordered with gold piping.

#### President

Red with black chevron bordered with gold piping. The front panels on the gown include the official school seal. The colors inside the hoods for the trustees and president represent the officials school colors of old Rose and White.

#### 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.

#### Presidential Medallion

The Rose-Hulman Presidential Medallion celebrates the 2007 inauguration of President Gerald S. Jakubowski. The gold-plated medallion carries the school seal on one side. The other side portrays a rendering of the Flame of the Millenium sculpture bordered by the phrase "Continuing Our Legacy of Excellence."



### **Scholarship Honors**

Students graduating with a scholarship index for 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

#### Other Program Designations

G	<b>Technical</b>	<b>Translators</b>	Program-	German
_	T C CI III C C II	IIditolatolo	110514111	OCITICAL

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, 2008. Those designations are:

a August 25, 2007 n November 19, 2007

f February 25, 2008

#### The John T. Royse Award

The John Tuller Royse Award was inaugurated years ago at Rose-Hulman to honor Mr. Royse in perpetuity for his many years of service to the college as a member of our Board of Managers. The Royse tradition on the Board continues yet today as John N. Royse continues to be an active member.

The award consists of a bronze medal and cash honorarium to be made at commencement each year to the graduating senior who, in the opinion of the faculty and administrative staff, is considered to be our most outstanding graduate based on academic achievement, student leadership, participation in co-curricular activities, and general campus citizenship. The recipient of the Royse Award must be nominated by either a classmate or a member of the faculty or administrative staff.

#### The Moench Commendation

Herman A. Moench graduated from our school, then called Rose Polytechnic Institute, in 1929. He served Rose as Associate Vice President and Professor of Electrical Engineering for over five decades, during which time he was an inspiring mentor and role model. Herman helped shape the Rose-Hulman values that we all cherish today, including putting the student first, remaining humble while striving for excellence, and encouraging close student-teacher relationships. Though Herman never married, he had a lifelong love affair with one great lady: a school named "Rose Poly".

In 1980 the first Moench Commendation was awarded to the most "Moench-Like" graduating senior. This is a person who is "Not just a good student in the upper half of their class, but also has demonstrated exemplary character in the eyes of their peers and teachers; a person who has been influential in making RHIT a better place." The recipient is selected by a vote of faculty and administrative staff who believe this student has demonstrated exemplary character, including honesty, self-discipline, compassion, and moral conviction.

# Rose-Hulman Institute of Technology Candidates for Degree

### **BACHELOR OF SCIENCE**

#### APPLIED BIOLOGY AND BIOMEDICAL ENGINEERING

### APPLIED BIOLOGY

f	David Paul Bander
	Jill Michelle Floyd
**	Meagan Alyse GallagherBuckley, Washington
f **	Brittiney Nicole HofmannBrazil, Indiana
G **	Anita Marie IschBuffalo, Minnesota
	Brittany Anne Moline
f **	Amy Marie Schnegg
	,
	Two Degrees: APPLIED BIOLOGY and BIOMEDICAL ENGINEERING
**	Cherie Antoinette Garvis
	,
	Double Major in APPLIED BIOLOGY and BIOCHEMISTRY & MOLECULAR BIOLOGY
	Melissa Jo ChrismanBrazil, Indiana
	Elise Maria Guzman
	Chandra Lee Lesniak
	Spencer Brent Perkins
	BIOMEDICAL ENGINEERING
*	Dana Lynn André
	Christopher Ian DouglasFishers, Indiana
**	Samuel Morris DurhamBrownstown, Indiana
f	Andrew Thomas Ernst
	Kathryn Rebecca Evert
*	Courtney Lynn GallantTerre Haute, Indiana
*	Elisha Rae Gregory
	Kurt Douglas HamptonSault Sainte Marie, Michigan
	Adam Nicholas Kirn
	Michael Ray LockhartJeffersonville, Indiana
**	Kate Elizabeth MartinGreencastle, Indiana
**	Steven Michael MaynardTerre Haute, Indiana
**	Danielle Leneé McCauley
**	Brittany Ho McGowan
**	Sarah Rachel MillerSpring, Texas
*	Ryan Andrew MitchellFishers, Indiana
	Nicholas David Morfing
	Candace Noelle Procter Southfield, Michigan
*	Sarah Marie RiceLawrenceburg, Indiana
**	Samantha Lynn Sheets
n	Nicholas Adam SmithLa Porte, Indiana
	Elizabeth Louise Speir
**	Allison Donielle Stultz

* · * **	William Dietrich Tullos
***	Two Degrees: BIOMEDICAL ENGINEERING and MECHANICAL ENGINEERING Samantha Renee Dick
S*	Double Major in BIOMEDICAL ENGINEERING and ELECTRICAL ENGINEERING Jonathan James Bergdoll
	CHEMICAL ENGINEERING
*	Benjamin Weston Adler
	Luis Eduardo BougratFranklin, TennesseeJonathan James BoylanOswego, IllinoisJordan Lee ClarkZion, IllinoisAlex Raymond DeckerSeymour, Indiana
**	Jill Nicole DeClerck
***	Amanda Marie Grantz
***	Luke Daniel Helmerich
**	Kyle James KamischkeWashington, Illinois
	Kyle David Kohlmorgen
*	John Michael Lowry
***	Katie Jo Maggard
**	Ashley Elizabeth Montgomery
**	Bradley James Munchel
	Omorinsola Olufiropo Osunsan
*	George John ScottEvansville, Indiana
	Douglas Anthony Tiger
f *	Mark Donald Vaccari
**	Andrew David White
C*	Daniel Wayne Williams
*	Katie Ann Yiznitsky
*	Katherine Laura Zack
	Double Major in CHEMICAL ENGINEERING and BIOCHEMISTRY & MOLECULAR BIOLOGY
**	Emily Nicole Albert
***	Andrew James Loder
	Double Major in CHEMICAL ENGINEERING and CHEMISTRY Sean Edward Prorak

f ***	Double Major in CHEMICAL ENGINEERING and MATHEMATICS Sara Elizabeth Zenner
	CHEMISTRY
f ***	Rachel Michelle Baldauff
f *	Amanda Marie Isom
**	Cecilia Maria Latta
	Two Degrees: CHEMISTRY and PHYSICS
*	Amanda Elizabeth Gehring
f ***	Double Major in CHEMISTRY and BIOCHEMISTRY & MOLECULAR BIOLOGY Rachel Krasich
	CIVIL ENGINEERING
**	Curtis Tyler Anderson
	Nathan Christopher Bloss
**	Andrea Lynn Bollinger
	Jeremy Stephen Burch
	Joel Michael Campbell
	Paul Allen Creasey
*	Josey Alexander Daugherty
*	Justin Jeffrey Deutsch    Brookville, Indiana      Erik Richard Dolmseth    Redmond, Washington
*	Jerel David Fields
MC	Jonathan Justin Fone
**	Jeffery Joseph Gauthier
С	Jason Ray Goble
C	Keegan Ross Gumbs
	Austin Matthew HastingsSanta Ana, California
С	Steven Douglas Hawkins
C*	Brian James Hoesman
C*	Rachel Nicole Howser
_	Sean Benjamin JessupAvon, Indiana
С	Timothy John Kent
	Nicholas David Klaserner
C*	Michael Howell Krantz
	Erin Gaye Locke
	Brian Scott McIlwaine
	Alexander Jonathan McLeanTerre Haute, Indiana
C***	Stuart Richard Nash
	Ryan Joseph Pattenaude
	Tyler Ross Price
	Julie Marie Roebel
	Michael Drew Sandahl
	Jeffery Lynn Smiley Oklahoma City, Oklahoma
*	Danielle Elyce Steinke

* C** MC** * C**	Phillip Andrew Ernest Sundling Zachary Allen Tatlock Lindsey Beth Thomann Matthew Adam Trowbridge Elitsa Danielova Voeva Brian Matthew Voll Brian Matthew Voll West Terre Haute, Indiana Jessica Nicole Young Winchester, Indiana Emily Marie Zeigler Greensburg, Indiana
	COMPUTER SCIENCE AND SOFTWARE ENGINEERING
	COMPUTER SCIENCE  Province Part Remarks Indiana
**	Curtis Paul Barnard
I	Matthew Wheeler DurhamPark Ridge, Illinois
*	Zackery Moses Hamilton
	Christopher Mark Leahy
*	Christopher William McClean
*	Brittany Diane McNeill
**	Nicholas Foster Ohrn
*	Joshua David PattersonSpeedway, Indiana
*	Jeffrey Sadeli
	Jacob Allan SorensenEnterprise, Alabama
*	Jeffrey Michael Stuart
	Samuel Francis TharpFall City, Washington
f	Robert Clinton UhlBainbridge, Ohio
	TO COMPUTED COUNCE INVATIGO
***	Two Degrees: COMPUTER SCIENCE and MATHEMATICS Nathaniel Wayne Lindle
	Nathaniei wayne Lindle
	Triple Major in COMPUTER SCIENCE, SOFTWARE ENGINEERING and MATHEMATICS
***	Peter Adam Outcalt
	Double Major in COMPUTER SCIENCE and MATHEMATICS
***	David Stephen Korff
**	Justin William Parks
	Double Major in COMPLITED SCIENCE and SCIETMARE ENCINEERING
f **	Double Major in COMPUTER SCIENCE and SOFTWARE ENGINEERING Jason Robert Rodzik
**	Amanda Phelice Stephan
*	Xiaofeng Tao
**	Scott Oja Ward
	SOFTWARE ENGINEERING
*	Jonathan Michael AtkinsonOakland City, Indiana
n *	Philip Robert Becker

	Zachariah Daniel BlankenbakerAlden, Illinois	
	Bryan Paul Crisp Lorain, Ohio	
**	Kristal Michelle Dobbins	
	Michael G. HowaldBrazil, Indiana	
**	Michael Don Reust	
	Double Major in SOFTWARE ENGINEERING and COMPUTER SCIENCE	
**	Collin David Arnold	
	Eliza Rose Brock	
**	Eric Steven Brynsvold	
	Andrew Gregory FoltzBaltimore, Ohio	
	Brian Thomas Kelley	
**	Michelle Elena Lisse	
	Matthew Thomas Long	
	Richard Renchi Ma	
f	Keith Adam Marcum	
	Michelle Marie Mariani	
*	Michael Paul MatsuiJoliet, Illinois	
**	Jacob Marshall McCord	
	Bryan Kristopher Musial	
	Thomas Lee Root	
f **	Tyrone Ephren Stewart	
	Travis Cameron Tomsu	
	ELECTRICAL ENGINEERING AND COMPUTER ENGINEERING	
	ELECTRICAL ENGINEERING	
*	ELECTRICAL ENGINEERING Victor Aboh Aboh	
f	Victor Aboh AbohLagos, NigeriaJohn Karl BaughmanPorter, Indiana	
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