The Commencement Exercises

Friday,
August 4, 1995

Joyce Center
University of Notre Dame
Notre Dame, Indiana

OFFICIAL
Friday, August 4, 1995
Joyce Center - Concourse
University of Notre Dame
Notre Dame, Indiana
Events of the Day

Friday, August 4, 1995

BACCALAUREATE MASS

8:30 a.m. Graduates and Faculty assemble for Academic Procession to the Basilica of the Sacred Heart: the second floor corridor of the Main Building

8:40 a.m. Procession Begins. (Please note: If the weather is inclement, the procession will be canceled. Proceed directly to the Basilica.)

9:00 a.m. Concelebrated Baccalaureate Mass: the Basilica of the Sacred Heart

Principal Celebrant and Homilist
Assistant Professor, Law School
University of Notre Dame

Concelebrants
Priests who will be receiving degrees, priest members of the faculty, and priest members of the Congregation of the Holy Cross

COMMENCEMENT EXERCISES
CONFERRAL OF DEGREES

10:25 a.m. Graduates and faculty assemble in the Auxiliary Gym of the Joyce Center

10:50 a.m. Academic Procession begins

11:00 a.m. Conferring of Degrees Ceremony in the Joyce Center Concourse

Presiding Officer
Timothy O’Meara, Ph.D.
Provost of the University

Commencement Address
Patrick E. Murphy, Ph.D.
Chair, Department of Marketing
University of Notre Dame

(Guests are requested to be seated in the Concourse of the Joyce Center by 10:50 a.m.)
The original Main Building, built in 1844, as provided by University Archives.

Friday, August 4, 1995
9 a.m. EST

Basilica of the Sacred Heart
University of Notre Dame
Notre Dame, Indiana

Principal Celebrant and Homilist
Rev. John Pearson, C.S.C.

Organist
Andrew McShane

Cantor
Timothy J. Schorn '95 Ph.D.

The Quintessence Brass
ACADEMIC PROCESSION
Trumpet Voluntary

OPENING HYMN
God, We Praise You
tune: Nettleton

1. God, we praise you! God, we bless you! God, we name you sov’reign Lord! Might-y King whom an-gels
2. True, a pos-tles, faith-ful proph-ets, Saints who set their world a-blaze, Mar-tyrs, once un-known, un-
3. Je-sus Christ, the king of glo-ry, Ev-er-
4. Christ, at God’s right hand vic-to-rious, You will judge the world you made; Lord, in mer-cy help your wor-ship, Fa-ther, by your church ad-dored: All cre-
heed-ed, Join one grow-ing song of praise, While your moth-er, Hard the lone-ly path you trod: By your ser-vants For whose free-dom you have paid: Raise us a-tion shows your glo-ry, Heav’n and church on earth con-fess-es One ma-
cross is sin de-feat-ed, Hell con-
up from dust to glo-ry, Guard us earth draw near your throne, Sing-ing “Ho-ly, ho-ly,
jes-tic Trin-i-ty: Fa-ther, Son, and Ho-ly front-ed face to face, Heav-en o-pened to be-
from all sin to-day; King en-throned a bove all ho-ly, Lord of hosts, and God a-lone!”
Spir- it, God, our hope et-ernal-ly.
liev-ers, Sin-ners jus-ti-fied by grace.
prais-es, Save your peo-ple, God, we pray.
PENITENTIAL RITE

OPENING PRAYER

READING I

Leviticus 23: 1, 4-11, 15-16, 27, 34-37

RESPONSORIAL PSALM

Psalm 81: 3-4, 5-6, 10-11

GOSPEL ACCLAMATION

Al-le-lu-ia, al-le-lu-ia, al-le-lu-ia.

GOSPEL

Matthew 13: 54-58

It is customary for men, although not for women wearing academic garb, to have their caps removed during the Gospel and Homily.

HOMILY

Rev. John Pearson, C.S.C.

GENERAL INTERCESSIONS

Lord, hear our prayer.
Please be seated.

Pavane .............................................................................................................................................................. William Byrd

Fantasia .......................................................................................................................................................... William Boyce

Eucharistic Prayer

INTRODUCTORY DIALOGUE + PREFACE

It is customary for men, although not for women wearing academic garb, to have their caps removed during the Eucharistic Prayer. The caps may be replaced at the end of Communion.

SANCTUS

Holy, holy, holy Lord, God of power and might, heav'n and earth are full of your glory. Hosanna in the highest, hosanna in the highest. Blest is he who comes in the name of the Lord. Hosanna in the highest, hosanna in the highest.
MEMORIAL ACCLAMATION

Christ has died, Christ is risen, Christ will come again.

GREAT AMEN

Amen, amen, amen.

Communion Rite

LORD’S PRAYER + SIGN OF PEACE

BREAKING OF THE BREAD + AGNUS DEI

Cantor: Lamb of God...

You take away the sins of the world, have mercy on us.

You take away the sins of the world, grant us peace.

RECEPTION OF COMMUNION

I Received the Living God

Arr. by Richard Proulx

I received the living God, and my heart is full of joy.

PRAYER AFTER COMMUNION
Closing Rites

ALMA MATER

Notre Dame, Our Mother

\textit{Notre Dame, our Mother tender, strong and true,}
Proudly in the heavens gleams thy gold and blue.
Glory's mantle cloaks thee, golden is thy fame,
And our hearts forever praise thee Notre Dame,
And our hearts forever love thee Notre Dame.

CLOSING HYMN

Alleluia, Sing To Jesus \textit{tune: Hyfrydol}

\textbf{1.} Alleluia! Sing to Jesus! His the
\textbf{2.} Alleluia! Bread of Angels, Here on
\textbf{3.} Alleluia! King eternal, You the

\begin{align*}
\text{scp-ter, his the throne;} & \quad \text{Al-} & \text{le-lu-ia!} \\
\text{earth our food, our stay!} & \quad \text{Al-} & \text{le-lu-ia!} \\
\text{Lord of lords we own;} & \quad \text{Al-} & \text{le-lu-ia!} \\
\text{his the tri-umph, His the vic-to-ry a lone;} & \quad \text{Al-} & \text{le-lu-ia!} \\
\text{here the sin-ful Flee to you from day to day:} & \quad \text{Al-} & \text{le-lu-ia!} \\
\text{born of Ma-ry, Earth your foot stool, heav'n your throne:} & \quad \text{Al-} & \text{le-lu-ia!} \\
\text{Hark! the songs of peace ful Zi-on Thun-der} & \quad \text{Al-} & \text{le-lu-ia!} \\
\text{In-terces-sor, friend of sin-ners, Earth's re-} & \quad \text{Al-} & \text{le-lu-ia!} \\
\text{You, with in the veil, have en-tered, Robed in} & \quad \text{Al-} & \text{le-lu-ia!} \\
\text{like a might-y flood; Jesus out of} & \quad \text{Al-} & \text{le-lu-ia!} \\
\text{deem - er, plead for me, Where the songs of} & \quad \text{Al-} & \text{le-lu-ia!} \\
\text{flesh, our great high priest; Here on earth both} & \quad \text{Al-} & \text{le-lu-ia!} \\
\text{ev - ry na-tion Has re-deemed us by his blood.} & \quad \text{Al-} & \text{le-lu-ia!} \\
\text{all the sin-less Sweep a-cross the crys-tal sea.} & \quad \text{Al-} & \text{le-lu-ia!} \\
\text{priest and vic-tim In the eucha-ris-tic feast.} & \quad \text{Al-} & \text{le-lu-ia!}
\end{align*}

Acknowledgements

Psalm 81 by Michael Guimont, \textit{Sanctus, Memorial Acclamation, Great Amen} (from the Community Mass) by Richard Proulx, \textit{Lamb of God} by David Isele, printed with permission of GIA Publications, Inc. 7404 S. Mason Ave., Chicago, IL under license no. 1180. All rights reserved.

THE
50th
COMMENCEMENT
EXERCISES

Friday, August 4, 1995
11 a.m. EST

Joyce Center – Concourse
University of Notre Dame
Notre Dame, Indiana

The Graduate School
The Law School
The College of Arts and Letters
The College of Science
The College of Engineering
The School of Architecture

The Graduate and Undergraduate Divisions
of the College of Business Administration
Processional

by Harold L. Pace, Ph.D.
University Registrar

America, the Beautiful
Ensemble and Audience

Bates-Ward

O beautiful for spacious skies,
For amber waves of grain
For purple mountain majesties
Above the fruited plain.
America! America!
God shed his grace on thee,
And crown thy good with brotherhood
From sea to shining sea.

Convening of the Convocation

by Timothy O'Meara, Ph.D.
Provost of the University

Presentation of Candidates for Degrees

The Doctor of Philosophy degree
by James H. Powell, Ph.D.
Associate Dean of the Graduate School

The Juridicae Scientiae Doctor and Legum Magister degrees
by Patricia C. Leonard, J.D.
Assistant Dean of the Law School

The Master degree
by James H. Powell, Ph.D.
Associate Dean of the Graduate School

The Master of Science in Administration degree
by Edward R. Trubac, Ph.D.
Associate Dean of the College of Business Administration

The Bachelor degree in the College of Arts and Letters
by Harold W. Attridge, Ph.D.
Dean of the College of Arts and Letters

The Bachelor degree in the College of Science
by A. Graham Lappin, Ph.D.
Chair of Chemistry and Biochemistry

The Bachelor degree in the College of Engineering
by James I. Taylor, Ph.D.
Associate Dean of the College of Engineering

The Bachelor degree in the School of Architecture
by Norman A. Crowe, Ph.D.
Professor of Architecture

Commencement Address*

by Patrick E. Murphy, Ph.D.
Chair of the Department of Marketing

Closing of the Convocation

The Provost of the University

Notre Dame, Our Mother* - (Alma Mater)
Ensemble and Audience

O'Donnell-Casasanta

Notre Dame, Our Mother, tender,
strong and true
Proudly in the heavens gleams thy
gold and blue.
Glory's mantle cloaks thee, golden
is thy fame
And our hearts forever praise thee,
Notre Dame;
And our hearts forever love thee,
Notre Dame.

Recessional of the Platform Party

*It is customary for men, although not for women wearing academic garb, to have their caps removed during the Commencement Address and the singing of the Alma Mater.
The Graduate School

THE DEGREE OF DOCTOR OF PHILOSOPHY ON:

Tristan Anne Borer, San Antonio, Texas  
Major Subject: Government  
Director: Dr. A. Peter Walshe

Caroline Jobson Brennan, Valley Cottage, New York  
Major Subject: Psychology  
Dissertation: Risky Ventures: Self-Handicapping Processes in Romantic Relationships  
Director: Dr. Ann P. Ruvolo

David John Carrier, Frederick, Maryland  
Major Subject: Economics  
Director: Dr. Lawrence C. Marsh

Wojciech Chacholski, Notre Dame, Indiana  
Major Subject: Mathematics  
Dissertation: On the Functors $CW_A$ and $P_A$  
Director: Dr. William G. Dwyer

Mark Andrea Antonio de Cataldo, Milano, Italy  
Major Subject: Mathematics  
Dissertation: Codimension Two Subvarieties of Quadrics  
Director: Dr. Andrew J. Sommese

William Michael Dickson, Jr., Columbia, South Carolina  
Major Subject: Philosophy  
Dissertation: Probability and Locality: Determinism Versus Indeterminism in Quantum Mechanics  
Director: Dr. James T. Cushing

Joseph William Fink, South Bend, Indiana  
Major Subject: Psychology  
Director: Dr. Thomas V. Merluzzi

Emilio Jorge González Galván, Guanajuato, Mexico  
Major Subject: Mechanical Engineering  
Dissertation: Application of Servoable Cameras in Three-Dimensional Camera-Space Manipulation  
Director: Dr. Steven B. Skaar

Kelly Hamilton, South Bend, Indiana  
Major Subject: History & Philosophy of Science  
Dissertation: The Philosophical Significance of Wittgenstein’s Engineering Training for the Tractatus Logico-Philosophicus  
Codirectors: Rev. Erman McMullin and Dr. J. Robert Wegs

Gordon John Hoover, Toronto, Canada  
Major Subject: Biochemistry  
Dissertation: Structure-Function Relationship between Kringle 1 of Human Plasminogen and It’s $\omega$-Amino Acid Binding Site  
Director: Dr. Francis J. Castellino

Muhammad Mazhar Iqbal, Gujrat, Pakistan  
Major Subject: Economics  
Dissertation: Corporate Restructuring, Debt Financing, and an Interest-Free Alternative  
Director: Dr. Martin H. Wolfson

Daniela L. Kohen, Buenos Aires, Argentina  
Major Subject: Chemistry  
Dissertation: Phase Space Distribution Function Approach to Molecular Dynamics in Solution  
Director: Dr. David J. Tannor

William Clement Kuru, Fond du Lac, Wisconsin  
Major Subject: Chemical Engineering  
Dissertation: Primary and Secondary Interfacial Disturbances in Horizontal Cocurrent Flows  
Director: Dr. Mark J. McCready

Sharon LaBranche, North Egremont, Massachusetts  
Major Subject: English  
Dissertation: Denise Levertov and the Ethics of Poetry: A Legacy of Romantic Vision and Revision  
Codirectors: Dr. Stephen A. Fredman and Dr. Greg P. Kucich

Luis Fernando López Cobo, Cali, Colombia  
Major Subject: Economics  
Dissertation: A Macroeconometric Model for Simulations of the Colombian Economy in the Middle Term  
Director: Dr. Jaime Ros
Kurt Andrew Mills, Greenfield, Massachusetts
   Major Subject: Government
   Director: Dr. Gilburt D. Loescher

Shu Nakamura, Maebashi, Japan
   Major Subject: Mathematics
   Dissertation: The Classification of the Third Reductions with a Spectral Value Condition
   Director: Dr. Andrew J. Sommese

Reynold F. Nesiba, St. Paul, Nebraska
   Major Subject: Economics
   Director: Dr. Martin H. Wolfson

Issa Antoine Nesnas, Jerusalem
   Major Subject: Mechanical Engineering
   Dissertation: Proper Kinematic Constraint Functions for “Smart” Redundant Wrists
   Director: Dr. Michael M. Stanišić

Kim Paffenroth, South Bend, Indiana
   Major Subject: Theology
   Dissertation: The Story of Jesus According to L
   Codirectors: Dr. Gregory E. Sterling and Dr. Harold W. Attridge

Jiwen Qian, Jilin, China
   Major Subject: Chemistry
   Dissertation: Wavepacket Approach to Triatomic Photodissociation and Molecule-Surface Reactive Scattering
   Director: Dr. David J. Tannor

Timothy Jon Schorn, Stuart, Nebraska
   Major Subject: Government
   Director: Dr. Alan Dowty

Tzu-Yueh Julie Wang, Taiwan, Republic of China
   Major Subject: Mathematics
   Dissertation: The Truncated Second Main Theorem and Diophantine Problems of Function Fields
   Director: Dr. Pit-Mann Wong

Cara Jean Westmark, Dubuque, Iowa
   Major Subject: Biochemistry
   Dissertation: Part I: Phosphorylation of Xenopus TFIIB by an Oocyte Casein Kinase Part II: Effect of Ribosomes on the Transcription of RNA Polymerase III Genes
   Director: Dr. Paul W. Huber

Cherng-Yih Yu, Taiwan, Republic of China
   Major Subject: Mathematics
   Dissertation: The Connective Real K-Theory of Elementary Abelian 2-Groups
   Director: Dr. Stephan A. Stolz

Duofeng Yue, Hefei, China
   Major Subject: Materials Science & Engineering
   Dissertation: Electrochemically Synthesized Nanostructures on Aluminum
   Director: Dr. Albert E. Miller

Baoquan Zhang, Notre Dame, Indiana
   Major Subject: Sociology
   Dissertation: From Planning to Market: Earnings Inequalities in Urban China During the Transition Period
   Director: Dr. David S. Hachen, Jr.

Jianwei Zhang, Xingtang, Hebei, China
   Major Subject: Chemical Engineering
   Dissertation: Spectroscopic and Integral Equation Studies of Reactivity and Preferential Solvation in Supercritical Fluids
   Director: Dr. Joan F. Brennecke
The Law School

THE DEGREE OF JURIDICAE SCIENTIAE DOCTOR ON:

Toomas Sillaste, Tartu, Estonia

THE DEGREE OF LEGUM MAGISTER ON:

Takahiko Asai, Kobe, Japan
Gina Adriana Carías Ryals, Cum Laude, Harrison, Arkansas
Carole Georgette Coleman, Magna Cum Laude, Norwich, Connecticut
Frédéric G. de Belay, Clermont-Ferrand, France
Guillermo A. Gatt-Corona, Summa Cum Laude, Guadalajara, Mexico
Waldemar D. Halka, Magna Cum Laude, Marrero, Louisiana
Gregor Kirchhof, Magna Cum Laude, Heidelberg, Germany
Jesús L. Laires Hayashi, Guadalajara, Mexico
Jeng-Hsiung Li, Pingtung, Republic of China
Charles Scott Neal, Oak Ridge, Tennessee
Ziad Kamal Rahhal, Cum Laude, Beirut, Lebanon
Jens-Christoph Rieger, Bonn, Germany
Roland Schreiner, Magna Cum Laude, Vienna, Austria

The Graduate School

THE DEGREE OF MASTER OF MEDIEVAL STUDIES ON:

Bridget Kennedy Balint, Bloomfield Hills, Michigan
Major Subject: Medieval Studies

THE DEGREE OF MASTER OF ARTS ON:

Xabier Agirre Aranburu, Basque Country, Spain
Major Subject: International Peace Studies

Suzanne Aurora Alto bello, Miramar, Florida
Major Subject: Psychology
Thesis: First Impressions and Disconfirmed Expectations: Personalism and Affect in Impression Formation
Director: Dr. William M. Webb

Bertha Kadenyi Amisi, Nairobi, Kenya
Major Subject: International Peace Studies

Barbara Elaine Baker, Inver Grove Heights, Minnesota
Major Subject: International Peace Studies

Mary E. Bennett, Mildura Victoria, Australia
Major Subject: Theology

David Boyd, Port Glasgow, Scotland, United Kingdom
Major Subject: Theology

Catherine Clare Byrne, Johannesburg, South Africa
Major Subject: International Peace Studies

Arthur David Canales, Miami, Florida
Major Subject: Theology

Daniel Park Liu Chong, Torrence, California
Major Subject: International Peace Studies

Jennifer L. Clark, Shreveport, Louisiana
Major Subject: French

Catherine Cook-Wink, New York, New York
Major Subject: Art Studio

Angela-Mary Cornyn, Dowra, Ireland
Major Subject: Theology
Thesis: Schillebeeckx’s Christology in Jesus, Christ and Church
Director: Rev. Robert A. Krieg, C.S.C.

Sarah Dakin, Poughkeepsie, New York
Major Subject: Psychology
Thesis: Would You Throw This Out?: A Test and Extension of the Norm Focus Theory to Recycling
Director: Dr. Raymond Reno

Mark Frederick Dalal, Canyon Country, California
Major Subject: Psychology

Christine R. DeLuca, Syracuse, New York
Major Subject: Theology

Patrick Joseph Derrig, Westland, Michigan
Major Subject: Communication Arts

Christian Yves Dupont, Jackson, Mississippi
Major Subject: Theology
Aimee Marie Ellenich, Allen, Texas
   Major Subject: Psychology

Larissa Ann Fast, Toronto, Canada
   Major Subject: International Peace Studies

Paul Philipp Firbas, Lima, Peru
   Major Subject: Spanish
   Thesis: Piratas, Cimarrones e Indígenas en el Discurso Epico Colonial Americana. Estudio de Armas Antárticas, Poema de Juan de Miramontes y Zuazola
   Director: Dr. José Anadón

Celso De Arruda Franca, Rio De Janeiro, Brazil
   Major Subject: International Peace Studies

Joy Lynn Germundson, Northfield, Minnesota
   Major Subject: Psychology

Jihad Jamil Hamad, Gaza-Beit Hanoun, Palestine
   Major Subject: International Peace Studies

Victoria Alyse Holden, Shoreham, New York
   Major Subject: Psychology

Tatre Jantarakolica, Bangkok, Thailand
   Major Subject: Economics

Amy Johnson, Orlando, Florida
   Major Subject: International Peace Studies

Deana Lynette Julka, Malone, Wisconsin
   Major Subject: Psychology
   Thesis: Investigating Attitude Functions: A Test of the Matching Hypothesis
   Director: Dr. Kerry L. Marsh

Thomas Michael Klemens, Richmond Heights, Ohio
   Major Subject: American Studies
   Thesis: Expatriates at Home: The American Reaction to the Expatriate Novels of Ernest Hemingway and F. Scott Fitzgerald, 1924-1934
   Director: Dr. Robert P. Schmuhl

Andrew William Lamb, South Bend, Indiana
   Major Subject: Philosophy

Sister Barbara Marie Link, O.S.F., Peoria, Illinois
   Major Subject: Theology

Paul Pisak Vidhyaphum Lucas, Arlington, Virginia
   Major Subject: Psychology

Carmela Lutmar, Kiryat Yam, Israel
   Major Subject: International Peace Studies

Joan Holder McConnell, Starkville, Mississippi
   Major Subject: Theology

Linda Mary McDermott, Dublin, Ireland
   Major Subject: Communication Arts
   Director: Dr. James M. Collins

Nichele Antoinette Moore, San Antonio, Texas
   Major Subject: Government

Harold Michael Mullin, Golden, Colorado
   Major Subject: Psychology

Kevin Arthur Murphy, Wilton, Connecticut
   Major Subject: Economics

Maureen Mae O’Brien, Lewis, Kansas
   Major Subject: History

Michelle Brigitte Parlevliet, Amsterdam, Netherlands
   Major Subject: International Peace Studies

Milica M. Pejović, Belgrade, Yugoslavia
   Major Subject: International Peace Studies
   Codirectors: Dr. F. Clark Power and Dr. Karen J. White

Phar Kim Beng, Penang, Malaysia
   Major Subject: International Peace Studies

Shankar Ramachandran, Bombay, India
   Major Subject: International Peace Studies

Angela M. Rhoe, Upper Marlboro, Maryland
   Major Subject: English

Sister Rosemary Beth Riggie, Buffalo, New York
   Major Subject: Theology

Kerry Ann Rockquemore, Jackson, Michigan
   Major Subject: Sociology
   Thesis: Locating the Invisible: Black Women Coming to Voice
   Director: Dr. Fabio B. Dasilva
Judith Estela Román Porcayo, Temixco, Morelos, Mexico  
Major Subject: International Peace Studies

Christopher Jason Runge, Granger, Indiana  
Major Subject: Theology

Julie Salach-Sinard, Ottawa, Canada  
Major Subject: Theology

Lydia R. Skrynnikova, St. Petersburg, Russia  
Major Subject: International Peace Studies

Cindy Hollenberg Snider, Fort Wayne, Indiana  
Major Subject: International Peace Studies

David F. Steele III, Atlanta, Georgia  
Major Subject: Government

Bruce Allen Steinway, New Britain, Connecticut  
Major Subject: Theology

Su, Genxing, Beijing, China  
Major Subject: International Peace Studies

Kevin Patrick Sullivan, Allen Park, Michigan  
Major Subject: Theology

Jason Michael Thomas, South Bend, Indiana  
Major Subject: French

Pamela Kay Thorpe, Goshen, Indiana  
Major Subject: Psychology  
Thesis: Motivational Correlates of Self-Regulation in Academic Underachievers  
Director: Dr. John G. Borkowski

My-Tien Ton, Roseville, Minnesota  
Major Subject: Psychology

Elizabeth M. Toohey, Wheaton, Illinois  
Major Subject: International Peace Studies

Daiva Diana Vaškevičiūtė-Smith, Vilnius, Lithuania  
Major Subject: Government

Karen Anne Vlahutin, Parkersburg, West Virginia  
Major Subject: Theology

Rev. James J. Vrba, De Witt, Iowa  
Major Subject: Theology

Xiaoyu Wang, Beijing, China  
Major Subject: Psychology  
Thesis: Parent-Infant Play Style and Infants’ Social and Cognitive Development  
Director: Dr. Julia Braungart-Rieker

Bruce Agar Weisse, Jr., Tunis, Tunisia  
Major Subject: Economics  
Thesis: The Japanese Pharmaceutical Industry in Global Competition  
Director: Dr. Candace Howes

Terri Lynn Ziacik, Lakeworth, Florida  
Major Subject: Economics  
Thesis: Monetary Integration in the European Union: A Journey Without Maps  
Director: Dr. Kwan S. Kim

THE DEGREE OF MASTER OF SCIENCE ON:

Yuexia Liang, Changchun, China  
Major Subject: Chemistry  
Thesis: Application of HPLC to the Study of Reaction Mechanism of Quinone with Radiolytically Produced Hydroxy Radical  
Director: Dr. Robert H. Schuler

Stillanos-Nikolaos Vouzoukas, Serres, Greece  
Major Subject: Physics

Zhong, Chunling, Beijing, China  
Major Subject: Physics

THE DEGREE OF MASTER OF SCIENCE IN CHEMICAL ENGINEERING ON:

Chuan-Chih Chang, San Jose, Costa Rica  
Major Subject: Chemical Engineering  
Thesis: Macro and Micro-Kinetic Study of Titanium Diboride Through Self-Propagating High-Temperature Synthesis  
Codirectors: Dr. Arvind Varma and Dr. Paul J. McGinn

Toru Shiraha, Tokyo, Japan  
Major Subject: Chemical Engineering  
Thesis: Methane Conversion on La-Rh Catalysts  
Director: Dr. Eduardo E. Wolf
THE DEGREE OF MASTER OF SCIENCE IN COMPUTER SCIENCE & ENGINEERING ON:

Theron William Nelson, Oakland City, Indiana
Major Subject: Computer Science and Engineering
Thesis: The Appcard: An Architecture-Independent Mobile Coprocessor Card Tailored to Applications
Director: Dr. David L. Cohn

Vsevolod V. Panteleenko, Kiev, Ukraine
Major Subject: Computer Science and Engineering
Thesis: System Software Structure for APPCARD - An Application-Specific Processor
Director: Dr. David L. Cohn

Qingyan Wang, Beijing, China
Major Subject: Computer Science and Engineering
Thesis: Memory Constrained Partitioning and Scheduling for Multi-dimensional Applications
Director: Dr. Edwin Hsing-Mean Sha

THE DEGREE OF MASTER OF SCIENCE IN MATERIALS SCIENCE & ENGINEERING ON:

Haifeng Yang, Peking, China
Major Subject: Materials Science & Engineering
Thesis: A Study of Effects of Processing Variables on the YBa2Cu3O7-x Properties of Melt Processed YBa2Cu3O7-x
Director: Dr. Paul J. McGinn

THE DEGREE OF MASTER OF SCIENCE IN ELECTRICAL ENGINEERING ON:

Alexander Balandin, Moscow, Russia
Major Subject: Electrical Engineering

Robert Falcone, Mexico City, Mexico
Major Subject: Electrical Engineering
Thesis: DC Limit Cycle Analysis of Delta-Operator Systems Implemented in Fixed Point Arithmetic
Director: Dr. Peter H. Bauer

Yan Lin, Beijing, China
Major Subject: Electrical Engineering

Ramon Llados Bernaus, Encamp, Andorra
Major Subject: Electrical Engineering

Phan Ngoc Huy, Chatenay Malabry, France
Major Subject: Electrical Engineering

THE DEGREE OF MASTER OF SCIENCE IN MECHANICAL ENGINEERING ON:

Gregory G. Janson, Ridgecrest, California
Major Subject: Mechanical Engineering
Thesis: Refined Experiments on Microsphere Impacts with Planar Surfaces
Director: Dr. Patrick F. Dunn

Abhay Kumar, Ranchi, India
Major Subject: Mechanical Engineering
Thesis: Particle Behavior in Fluid Film Lubrication Problems
Director: Dr. Steven Schmid

Christine Marie McCoy, Great Falls, Montana
Major Subject: Mechanical Engineering
Director: Dr. Hafiz Atassi

Jane A. Zimmerman, Waterloo, Iowa
Major Subject: Mechanical Engineering
Thesis: Effect of Aging Treatment and Loading Geometry on Shear Localization in Kalthoff Impact Tests of C-300 Steel
Director: Dr. James J. Mason
The College of Business Administration
In the Graduate Division

THE DEGREE OF MASTER OF SCIENCE IN ADMINISTRATION ON:

Suesanna R. Blasko, Osceola, Indiana
Nancy McIntire Brown, Magna Cum Laude, Dakota, Minnesota
Joanne Marie Clavel, O.S.F., Cum Laude, Spokane, Washington
Nathaniel Ward Coffman, Magna Cum Laude, Chicago, Illinois
Catherine L. Connors, Cum Laude, South Bend, Indiana
Phillip G. Corporon, Granger, Indiana
Debra Denise Garner, South Bend, Indiana
Margaret Louise Gillis, C.S.M., Cum Laude, Gander, Canada
Rosemarie Goodyear, Magna Cum Laude, Gander, Canada
Rebecca White Gudorf, Magna Cum Laude, South Bend, Indiana
Susan Mary Havens, Cum Laude, La Porte, Indiana
Justin Ted William Hertz, Magna Cum Laude, Mount Angel, Oregon
Elaine Karen Karaszewski, South Bend, Indiana
Tracy Kline-Lipak, Cum Laude, Granger, Indiana
Melinda Manuel, South Bend, Indiana
Sr. Ann Hoa Nguyen, O.S.F., Baton Rouge, Louisiana
Patricia Converse Nowlin, Magna Cum Laude, Elkhart, Indiana
Margaret Oakley, Kalamazoo, Michigan
Kevin Michael O'Hara, Posthumously, Fort Wayne, Indiana
Christopher Blair Remington, Kenosha, Wisconsin
Linda L. Satkoski, Cum Laude, Union Mills, Indiana
Kevin William Sherburn, Mishawaka, Indiana
Barbara Ann Smith, Cum Laude, Grand Ledge, Michigan
Lorie Lee Smith, Granger, Indiana
Caryn Stephanie Courant Swiatek, Chicago, Illinois
Scott Stephen Winsor, Perrinton, Michigan
Gui-min Zhang, Cum Laude, Beijing, China

The College of Arts and Letters

THE DEGREE OF BACHELOR OF ARTS ON:

Damien Emmett Begley, Dover, Delaware
Marc Anthony Brooks, Mitchellville, Maryland
Andrew John Budzinski, South Bend, Indiana
Richard McKenna Degnan II, Glen Gardner, New Jersey
Christopher John Dewey, Missoula, Montana
Stephanie Anne Elson, Birmingham, Alabama
Stacy Fields, Cum Laude, North St. Paul, Minnesota
Kenneth Patrick Finley, Spring, Texas
William Stephen Foster, Woodbridge, Virginia
David Eduardo Hernandez, Miami, Florida
James Alan Hoerstman, Mishawaka, Indiana
Gregori Dolz Kerrigan, Barcelona, Spain
Faye Magdelene Kolly, Laredo, Texas
Elena S. Maene, Pago Pago, American Samoa
Jordan S. Maggio, New York, New York
Kevin Luke McGuire, Albuquerque, New Mexico
Anne E. McNarney, South Bend, Indiana
Alakesha R. Murray, New York, New York
Kristin Fay Neustadt, Summa Cum Laude, Arlington, Texas
Robert E. O'Neil, Jr., Worcester, Massachusetts
Patrick Thomas Parry, Duluth, Minnesota
Valeria Petrozzi, Bloomfield Hills, Michigan
Andrew Ronald Saldino, San Diego, California
Ralph James Sandine, Youngstown, Ohio
S. O. Schittl, Cum Laude, Myersville, Maryland
Donna Marie Sherman, Delta, Ohio
Michael Delano Stewart, Taylor Ridge, Illinois
Stephen Vincent Susco, Notre Dame, Indiana
Lael Greenleaf Boochever Tyler, Anchorage, Alaska
Robert Andrew Velasco, Crown Point, Indiana
John Horn Wensinger, Fremont, Ohio

The College of Science

THE DEGREE OF BACHELOR OF SCIENCE ON:

Shawn Lane Beals, Pioneer, Ohio
Patricia Kelly Dwight, Huron, Ohio
The College of Engineering

THE DEGREE OF BACHELOR OF SCIENCE
IN AEROSPACE ENGINEERING ON:

Miryam Chavarria Romero, Madrid, Spain

THE DEGREE OF BACHELOR OF SCIENCE
IN MECHANICAL ENGINEERING ON:

Nicholas Joseph Colacino, West Des Moines, Iowa
Vassillis Gontikas, Athens, Greece
Keith Ronald Johnson, Lemont, Illinois
Thomas Michael Schoaf, Litchfield Park, Arizona
Jason Jamal Williams, Indianapolis, Indiana

The School of Architecture

THE DEGREE OF BACHELOR OF
ARCHITECTURE ON:

Robert Alan Caddigan, Randolph, Massachusetts
David Montgomery Nathe, Waynesboro, Virginia

The College of Business Administration

In The Undergraduate Division

THE DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION ON:

Brian Frederick Baumer, South Bend, Indiana
Matthew William Beaujon, Johnstown, Pennsylvania
Monica Cox, Hempstead, New York
Eric Alan Cunningham, Rockford, Michigan
Peter Joseph Curry, Santa Ana, California
Peter Louis Falzarano, Hollis, New Hampshire
Patrick Joseph Haigh, Puyallup, Washington
Peter John Larkins, Indianapolis, Indiana
Mark Andrew Lavery, Palmer, Pennsylvania
Jon Seung-pil Lindberg, Cum Laude, Erie, Pennsylvania
Keith Earl Mallett, Houston, Texas
Patrick Charles McMonagle, Longmeadow, Massachusetts
David Richard McNutt, Excelsior, Minnesota
Michael John Pavis, Bethlehem, Pennsylvania
Kelly Ann Smith, Plymouth Meeting, Pennsylvania
Angela Marie Tabash, Cum Laude, St. Louis, Missouri
Abid Yousuf, Karachi, Pakistan
# Faculty Colors

<table>
<thead>
<tr>
<th>Field</th>
<th>Color</th>
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<tbody>
<tr>
<td>Agriculture</td>
<td>Maize</td>
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<tr>
<td>Arts, Letters, Humanities</td>
<td>White</td>
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<tr>
<td>Commerce, Accountancy, Business</td>
<td>Drab</td>
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<td>Dentistry</td>
<td>Lilac</td>
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<td>Economics</td>
<td>Copper</td>
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<td>Education</td>
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<tr>
<td>Engineering</td>
<td>Orange</td>
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<td>Fine Arts, Including</td>
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<td>Architecture</td>
<td>Brown</td>
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<td>Forestry</td>
<td>Russet</td>
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<td>Journalism</td>
<td>Crimson</td>
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<td>Law</td>
<td>Purple</td>
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<td>Medicine</td>
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<td>Music</td>
<td>Pink</td>
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<td>Nursing</td>
<td>Apricot</td>
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<tr>
<td>Optometry</td>
<td>Sea Foam Green</td>
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<tr>
<td>Oratory (Speech)</td>
<td>Silver Gray</td>
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<td>Pharmacy</td>
<td>Olive Green</td>
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<td>Philosophy</td>
<td>Dark Blue</td>
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<td>Physical Education</td>
<td>Sage Green</td>
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<tr>
<td>Podiatry-Chiroprody</td>
<td>Nile Green</td>
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<td>Public Administration, Including</td>
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<td>Foreign Service</td>
<td>Peacock Blue</td>
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<td>Public Health</td>
<td>Salmon Pink</td>
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<td>Golden Yellow</td>
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<td>Scarlet</td>
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<td>Veterinary Science</td>
<td>Gray</td>
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Old Gold and Royal Blue in Hood Denotes a Notre Dame Degree
ACADEMIC ATTIRE

Ceremonial garments worn at academic functions take their meaning from the original centers of learning of the Western world in the Church of the Middle Ages. Caps, hoods and gowns of the early students and monks have been held through the centuries to be traditionally symbolic of the scholarly devotion so basic to education and to the deliberate and orderly evolution of knowledge.

The introduction of classical studies, the gradual rise of the great universities across Europe, and the ever-increasing awareness of the decisive role of education in the entire development of civilization influenced leaders among academicians in their desire for a singular identity. In the attempt to create this differentiation, educators fell upon the medieval system of classic heraldry, whereby the coat of arms, assorted ornamental trappings, and patterns of colorful design had been adopted to denote the distinctive character of designated chivalric orders. The function of "pedagogical heraldry" became, then, simply identification. As such, measures were taken to signify through distinctive markings on the academician's attire the institution that had granted the degree, the field of learning in which the degree had been earned, and the level of the degree-bachelor, master or doctorate.

Of the three pieces of academic attire, the cap, the gown and the hood, it is the hood that offers the most abundant and most readily discernable information about its owner. The inner lining of the hood identifies the institution at which the individual earned the degree. Some schools have adopted two-color patterns and introduced chevrons and bars in various designs to set themselves apart from other institutions. The velvet trim bordering the hood indicates the major field of learning, or faculty, in which the degree has been earned. The list at the conclusion of this section will explain this relationship. A final feature of the hood concerns its length and width and distinguishes further between holders of bachelor’s, master’s, and doctor’s degrees. The length of the hood for the bachelor’s degree is three feet, closed at the bottom, and the velvet border is two inches. At Notre Dame, individuals receiving a bachelor’s degree do not wear a hood. A master’s degree holder has a hood three and one half feet in length with a three inch wide border, and is slit at the bottom. Those individuals with a doctorate degree wear a hood four feet in length, open at the bottom, with a five inch border.

The gown is usually black in color but some American universities, including Notre Dame, have adopted distinctive colors for their robes. Notre Dame doctorate degree robes are blue, reflecting one of its official colors. The cut of the gown aids in differentiating between the three levels of degrees. The bachelor’s gown is relatively simple and falls in straight lines from an elaborate yoke. It may be recognized most readily by the long, pointed sleeves. The master’s gown is somewhat fuller and bears no adornment. The sleeves are oblong in shape and open at the wrist, with the rear part of the oblong square cut while the front edge has a cutaway arc. The doctor’s gown is more elaborate with velvet panels down the front and around the neck of the garment. The sleeves are bellshaped at the end and have three bars of the same material as the front panels at the upper portion of the arm. It is cut rather full and may be ornamental in color. Notre Dame’s doctoral gown has royal blue velvet front panels with the University’s shield embroidered in gold. The royal blue sleeve chevrons are outlined in gold.

The mortarboard or Oxford-type cap has been adopted throughout most universities in the United States, although Notre Dame’s doctoral cap is a royal blue tam. Colored tassels are usually worn by holders of the bachelor’s and master’s degrees. These denote the field of learning. The list on the next page indicates the tassel colors. Gold tassels are reserved for those with doctorate degrees and governing officers of educational institutions.