5-18-1996

WPI 128th Commencement Ceremonies Program

Worcester Polytechnic Institute

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The One-Hundred Twenty-eighth Commencement

May 18, 1996

Worcester Polytechnic Institute
PROGRAM

Prelude  WPI Brass Choir
         Dr. Douglas G. Weeks, Conductor

Processional  Honorary Marshals
               Dr. Van Bluemel, Professor, Physics
               Dr. Nicholas K. Kildahl, Professor, Chemistry
               Winners, 1996 Trustees' Award for Outstanding Teaching

The Colors

Ceremonial Marshal Dr. Diran Apelian
         Provost and Vice President for Academic Affairs

Candidates for Degrees

The Faculty, Administrative Officers, Trustees

The Invocation  The Reverend Aved Terzian
               Armenian Church of Our Savior

National Anthem  The audience is invited to join in the singing

Address  Norman R. Augustine
         President and CEO, Lockheed Martin Corp.

Conferring of Honorary Degrees  John M. Nelson
                                Chair, WPI Board of Trustees

Administration of the Armed Forces
Oath of Office to ROTC Graduates  Maj. Gen. Donald G. Hard
                                  U.S.A.F. (Ret.)
                                  President, Logicon Ultrasystems Inc.

Conferring of Degrees  Dr. Edward A. Parrish
                      President
                      Assisted by Dr. William W. Durgin
                      Associate Provost for Academic Affairs

Message From the Senior Class  N. Harrison Ripps '96

Greetings  Allen H. Levesque '59
           President, WPI Alumni Association

Reflections From the Chair  John M. Nelson

Message From the President  Dr. Edward A. Parrish

Benediction  The Reverend Paul T. Lindstrom
             Trinity Lutheran Church

Recessional  WPI Brass Choir

Reception  Harrington Auditorium
           (if inclement weather, Morgan Hall)

The baton carried by the Honorary Marshals is the walking stick of John Boynton, a founder of Worcester Polytechnic Institute.

The audience is requested to remain standing until the end of the national anthem. At the conclusion of the Commencement exercises, the audience is requested to remain standing until the academic procession has left the Quadrangle.
THE ACADEMIC PROCESSSION AND COSTUME

The Commencement exercises today at WPI are a modern recreation of a ceremony that dates back to the Middle Ages. The festive pageantry of the academic procession and of the degree-granting ceremony, and the dignity and color of the academic gowns, are a reminder of the long tradition of the college. The graduates here today take their places as the latest in a long line of more than 20,000 graduates of WPI.

The academic procession itself is one of the highlights of the day, having all the splendor and majesty that is properly associated with such a happy occasion as this. Each member of the procession is garbed according to his or her educational background.

After the marshals come the candidates for the degrees they have earned, representatives of the Institute and the departments, and the honorary degree recipients.

Each bachelor of science recipient at WPI receives his or her diploma individually from the president. Diplomas for master of science are given in much the same manner. Each person who has earned the degree of doctor of philosophy, the highest academic degree awarded by any university, receives not only a diploma but a hood symbolizing his or her achievement, presented by the faculty member who has sponsored the candidate.

The academic costume—caps and gowns and hoods—worn today is particularly striking, for Commencement is one of the few occasions in the United States at which academic dress is worn. By contrast, in English colleges and universities, both students and faculty until recently wore their gowns in class, in university dining halls, and at all official occasions.

Academic dress originated in medieval costume. At the time when universities first came into being, in the 12th century, everyone wore gowns (that is, long, full-flowing robes) to help keep warm in unheated buildings. There were, of course, considerable differences in elegance and style between the extremes of the social and economic scales, and in many cases the king decreed just who could wear what.

Over the gown would often be worn a cloak (usually with a cowl or hood attached), just as we wear coats today. The origin of the cap is more obscure. The "mortarboard" cap that is usually worn today seems to have been introduced at Oxford University sometime in or before the 17th century.

The gown soon fell out of fashion with the general public, but it remained a distinctive part of the scholars' wardrobe, serving to set them apart from the rest of the community—hence the perennial controversy between "town and gown." Until after the Civil War, students at most U.S. universities wore caps and gowns daily while in residence. Designs varied until they were standardized by the American Intercollegiate Commission in 1894.

At that time it was decided that all robes would be black—bachelors' gowns to be made of worsted stuff with pointed sleeves, masters' gowns of silk with long, closed sleeves, doctors' gowns of silk with longer sleeves and faced with black velvet from hem to neck and back. They also carried three velvet bands around each sleeve about the elbow. Hoods were made of the same material as the gowns, the length varying with the degree. The lining of the hood indicated the university by its colors. The border of the hood indicated the academic discipline in which the degree was earned, as listed below:

Agriculture .................................. Maize
Arts, Letters, Humanities .................. White
Commerce, Accountancy, Business ....... Light Brown
Dentistry .................................... Lilac
Economics .................................. Copper
Education .................................... Light Blue
Engineering .................................. Orange
Fine Arts, including Architecture ....... Brown
Forestry ..................................... Russet
Journalism .................................. Crimson
Law ........................................... Purple
Library Science .............................. Lemon
Medicine ..................................... Green
Music ........................................ Pink
Nursing ...................................... Apricot
Oratory (Speech) ............................ Silver Gray
Pharmacy ..................................... Olive Green
 Philosophy .................................. Dark Blue
Physical Education ........................ Sage Green
Public Administration,
    including Foreign Service ............ Peacock Blue
Public Health .............................. Salmon Pink
Science ..................................... Golden Yellow
Social Work ................................ Citron
Theology .................................. Scarlet
Veterinary Science ........................ Gray
A SILVER ANNIVERSARY FOR THE WPI PLAN

Twenty-five years ago, something quite remarkable happened at WPI. Through a single vote of the faculty, this institution, then just over 100 years old, became an entirely different kind of technological university—an institution unlike any that then existed, or any that have been established since. In one bold move, WPI tossed out the rigid approach to technological education it had followed for decades and replaced it with a flexible, project-based curriculum called the WPI Plan.

To commemorate this remarkable event, and to celebrate the Plan's resounding success over the last quarter century, WPI this year launched a yearlong observance of the program's silver anniversary. The educational program at the center of this celebration is something of a paradox. The Plan's basic elements can be described fairly well in a few hundred words. But the concepts and philosophy behind those elements are complex and continually evolving, making a complete understanding of this groundbreaking undergraduate program difficult—even for the students, faculty members and administrators who live with the Plan on a daily basis.

To understand what the Plan is all about, one must first realize that it differs in a fundamental way from more conventional approaches to technological education. Typically, engineering and science programs at colleges and universities revolve around what a technological professional should know. The WPI Plan asks, instead, what should a technological professional be? The answers to that question are many; those answers helped the founders of the Plan shape its basic elements.

The Sufficiency, for example, stemmed from the belief that professionals must be aware of the world of knowledge beyond their own areas of study. The Interactive Qualifying Project—widely recognized as the most creative and effective innovation in technological education in the last quarter century—was a response to the conviction that technological professionals should understand that they do not work in a vacuum; that their work affects society, and that society, in turn, affects the kinds of work they do—or need to do. And the Major Qualifying Project—the capstone experience for all undergraduates—was the outgrowth of the belief that professionals should be able to size up a problem, develop a solution to it, and then implement that solution competently and professionally; should be able to work in teams to achieve those objectives; and should be able to communicate well the results of a project, orally and in writing.

The Plan has evolved since its inception 25 years ago. One of the most exciting developments is its increasing international focus. In fact, WPI has taken the lead in globalization of higher education. WPI students currently account for more than 10 percent of all U.S. engineering students studying abroad. Our comprehensive program is aimed at giving all undergraduates a global perspective. To this end, the Institute maintains an extensive network of project centers and programs—as well as more traditional exchange programs—around the world.

This year, as WPI marks this important milestone in its history, the national education community (including the National Science Foundation, the National Research Council, the American Society for Engineering Education, and the Accreditation Board for Engineering and Technology) is coming together to revamp the standard approach to teaching science and engineering. In the process, they are discovering that WPI trod that very ground a quarter century ago. This coincidence affords WPI an opportunity to share with the educational community beyond our campus some of the lessons it has learned over the last 25 years, and to help other educators around the country understand the power of teaching students to be something, and not just know something.

Restrooms, drinking fountains and pay telephones are located on the entrance level of Harrington Auditorium, on the first and second floors of Daniels Hall, and in the Wedge. Drinking water stands are located on the sides of the Quadrangle near Daniels Hall and Harrington Auditorium. A first aid station is located in Harrington.

The WPI Campus Police may be reached by calling 831-5433.

Flowers and plantings for the stage have been provided courtesy of Bigelow Nurseries Inc., Northboro, Mass.
Worcester Polytechnic Institute

Officers of the Corporation and Administrative Officers

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Military Science
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Physics
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Social Science and Policy Studies

The names published in this Commencement program were determined from information available at the time of printing, which preceded the faculty vote on degrees. Inclusion of a name in the program is not testimony to completion of WPI's degree requirements and does not commit WPI to award a degree.
HONORARY DEGREE RECIPIENTS

NORMAN R. AUGUSTINE
DOCTOR OF ENGINEERING

Chosen last year as one of “Fifty Great Americans” by the Library of Congress and Who’s Who in America, Norman Augustine has served his country, his industry and his community over a 40-year career in which he has always placed service above self.

A native of Colorado, he received his bachelor’s and master’s degrees in aeronautical engineering from Princeton University. Joining Douglas Aircraft Co. in 1958, he worked as a researcher, program manager and chief engineer. Starting in 1965, he served in the Office of the Secretary of Defense as assistant director of defense research and engineering. In 1970 he returned to industry as vice president for advanced programs and marketing for LTV Missiles and Space Co.

He was named assistant secretary of the Army in 1973 and undersecretary in 1975. He joined Martin Marietta Corp. in 1977 and served as president and chief operating officer, and later, chairman and CEO. He was named president of Lockheed Martin Corp. upon the formation of that company in 1995. Today, as president and CEO, he leads a company that designs, manufactures, integrates and operates leading-edge systems and products for the aerospace, electronics, information management and energy markets.

Augustine is chairman of the American Red Cross, president of the Boy Scouts of America and chairman of the National Academy of Engineering. He has served on numerous advisory boards and committees in industry and for such government entities as the White House, the U.S. Senate, NASA, the FAA and the Department of Defense. He has been president of the American Institute of Aeronautics and Astronautics, chairman of the Defense Science Board and chairman of the NASA/White House Committee on the U.S. Space Program.

He is an elected fellow of the American Academy of Arts and Sciences, the American Astronautical Society and the Institute of Electrical and Electronics Engineers. He is co-author of The Defense Revolution, and his book Augustine’s Laws, printed in four languages, earned him a reputation as an industry seer in the mid-1980s. He has frequently been honored for his service at the national level to industry, higher education and service organizations.

For his insightful leadership of one of the country’s largest corporations, and for his tireless service to his country and to society, Worcester Polytechnic Institute is proud to confer upon Norman R. Augustine the honorary degree of Doctor of Engineering.

HOWARD G. FREEMAN
DOCTOR OF ENGINEERING

Howard Freeman was born to be an inventor. He learned the inventor’s art by watching his father, an entrepreneur with an affinity for mechanical devices, and his uncle, a successful engineer and inventor. What he learned he put to good use, earning 22 patents, creating new technology that saved thousands of lives during World War II, and founding a company that would become one of Worcester’s most successful industries.

In 1940, Freeman earned a bachelor’s degree in mechanical engineering at WPI, where he also developed a lifelong interest in poetry. Not wanting to work for a large corporation, he took a job after graduation with Rockwood Sprinkler Co. and established a research and development department for the firm. One of his first projects was developing a new spray nozzle for use in fighting oil fires on Navy ships. His Waterfog nozzle created a fog of water droplets that extinguished fires and shielded fire fighting personnel from the heat of the flames. He later invented a nozzle to spray a fog of foam on gasoline fires caused by kamikaze attacks. That nozzle was used widely after the war at military and commercial airports.

At Rockwood, Freeman became intrigued with the possibilities and limitations of ball valves. He left the company and established an experimental laboratory in his
ALBERT SACCO JR.
DOCTOR OF SCIENCE

As a child, Al Sacco was inspired by two dreams—to become a scientist and to fly in space. Knowing that NASA would need a new generation of scientist-astronauts to help it understand and exploit the commercial potential of low Earth orbit, he sought to realize both of his dreams by earning a bachelor's degree in chemical engineering at Northeastern University and a Ph.D. at MIT, where he studied regenerative life support systems under a NASA grant.

He applied to the astronaut corps, but was turned down. Assuming his dream of traveling into space was over, he joined the WPI faculty in 1977. Over the next 18 years he developed a reputation as an outstanding teacher and a world-renowned scholar. His early promise as a researcher won him a National Science Foundation Young Faculty Initiation Grant in 1978 (this year WPI honored Sacco with the Trustees’ Award for Outstanding Creative Scholarship). His work on carbon deposition clarified the process of carbon fiber initiation and growth, and he showed how the mineral ilmenite could be a source of oxygen for a lunar base.

Sacco is best known for his research on zeolites, crystals made from aluminum and silicon that play important roles in many industries as sieves and catalysts. His success with zeolite crystal growth techniques led him to wonder whether larger and more valuable crystals could be grown in the microgravity environment of space. He advised a student project that developed a crystal growth experiment that flew on the space shuttle in 1990. That project led to a NASA- and industry-funded program to develop a more sophisticated experiment to test Sacco’s hypothesis.

The hardware developed through that program flew for the first time on the United States Microgravity Laboratory (USML) in 1992. Sacco was chosen to serve as an alternate payload specialist for the flight. When the time came for a second USML mission, he was selected as one of two payload specialists, which meant he would finally realize his dream of leaving the Earth. On the shuttle Columbia, he conducted scientific experiments during a challenging 16-day mission.

As they trained for their mission, which flew in October 1995, the USML-2 crew realized that they had the opportunity to reach out to young people and to try to inspire in them the same love for science that had led the crew to follow their dreams. They conducted four science lessons from space, including one with students at Worcester's South High School, that were broadcast to classrooms across the country. This outreach to the nation’s youth has become one of the enduring legacies of the USML-2 mission.

It is WPI's privilege to bestow on Albert Sacco Jr., consummate scientist, dedicated teacher, and the first member of the WPI faculty to fly in space, the honorary degree of Doctor of Engineering.
DEGREE OF
BACHELOR OF SCIENCE

Candidates presented by Dr. Diran Apelian

Matthew Charles Aberle
Civil Engineering

Carley Jonna Abramson
Biology

Cynthia Diane Adamo
Mathematical Sciences

Joel Douglas Adams
Mechanical Engineering

James Peter Aduskevich
Manufacturing Engineering

Jeffrey Brian Afonso
Mechanical Engineering

*Daniel M. Afonso
Electrical Engineering

Shiran B. Aguila
Chemical Engineering

Mohiuddin Siddique Ahmed
Mechanical Engineering with Biomedical Interest

*Ahmed S. Albaiti
Management Information Systems
Awarded February 15, 1996

Douglas Evan Alexander
Manufacturing Engineering
Awarded October 12, 1995

John Joseph Alliberti
Computer Science

**Jennifer Lynne Alley
Biotechnology

*David Lawrence Amara
Civil Engineering

*Murtaza Mustafa Amiji
Electrical Engineering

Michael James Andretta
Civil Engineering

Matthew Philip Andrus
Computer Science

*Ernest O. Ansah
Mechanical Engineering with Biomedical Interest

Paul Chester Ard
Mechanical Engineering
Awarded October 12, 1995

*Edwin A. Arevalo
Chemical Engineering

Raul Jaime Arizpe
Mechanical Engineering with Biomedical Interest

*Jason Matthew Armstrong
Mechanical Engineering

Alan Scott Assner
Actuarial Mathematics
Minor in Management

*Steven William Astorino
Mechanical Engineering

*Aron Chandler Atkins
Mathematical Sciences
Minor in Computer Science

Jason Daniel Averill
Civil Engineering

Sven August Backlund
Mechanical Engineering with Aerospace Interest

*Myles William Baker
Chemical Engineering

Michael David Balcom
Computer Science
Awarded October 12, 1995

*Jeffrey Alan Barnes, Jr.
Biotechnology

*Keith A. Barrett
Computer Science
Awarded February 15, 1996

Sean Andrew Barrett
Mechanical Engineering

Joseph John Batcha III
Civil Engineering

Matthew Amos Bean
Mechanical Engineering

Lonn Francis Beaudin
Civil Engineering
Awarded October 12, 1995

*Nick John Bebas
Mechanical Engineering with Biomedical Interest

Eric Brian Bechard
Mechanical Engineering

Jason A. Becker
Chemical Engineering

Carrie Lynn Belanger
Civil Engineering

John Christopher Belfonti
Mechanical Engineering
Awarded February 15, 1996

Paul Charles Beliveau
Chemical Engineering
Awarded October 12, 1995

*Benjamin Bennett
Computer Science

Jason D. Bennett
Mechanical Engineering

Joshua Eric Bennett
Civil Engineering

Maria G. Benson
Mechanical Engineering
Awarded October 12, 1995

**With High Distinction
*With Distinction
*International Scholar
Julia Anne Berendes  
*Management Information Systems*  
Awarded February 15, 1996

Alan Stanley Bernat  
*Mechanical Engineering*  
with Aerospace Interest

Ronald Franklin Berry  
*Electrical Engineering*  
Awarded October 12, 1995

Jason R. Berube  
*Civil Engineering*

Joshua Robert Binder  
*Mechanical Engineering*

Gustavo Adolfo Blaschitz  
*Mechanical Engineering*  
with Biomedical Interest  
Awarded October 12, 1995

Lee M. Blouin  
*Actuarial Mathematics*  
Minor in Management  
Awarded February 15, 1996

Charles Gerard Bobbish  
*Computer Science*  
Awarded February 15, 1996

Brandon Howard Boheme  
*Mechanical Engineering*  
with Nuclear Interest

Alexander Boriakoff  
*Chemical Engineering*

Robert Angelo Borrelli  
*Mechanical Engineering*  
with Nuclear Interest

Sharon Dawn Bossé  
*Biotechnology*

Daniel Gerald Boucher  
*Chemistry*

David Alfred Boulanger  
*Chemical Engineering*

Peter David Bourgeois  
*Computer Science*

Patrick Mark Bowen  
*Mechanical Engineering*

Jason Bowie  
*Computer Science*

Amy Catherine Bowman  
*Mechanical Engineering*  
with Biomedical Interest  
Awarded February 15, 1996

Greta Hansen Boynton  
*Biology*

Markus Bryan Bracke  
*Chemical Engineering*  
Awarded October 12, 1995

Michael Christopher Brady  
*Management Engineering*  
Awarded October 12, 1995

Teri Lee Burrows Brelio  
*Mechanical Engineering*

Shawn Paul Brennan  
*Chemical Engineering*

Kristen Ann Briggs  
*Mechanical Engineering*  
with Biomedical Interest

Elizabeth Anne Brown  
*Biotechnology*

Rhett Shain Brown  
*Mathematical Sciences*

William F. Brown  
*Electrical Engineering*

Michelle Renee Bruneau  
*Biotechnology*

Christopher James Bruno  
*Mechanical Engineering*  
with Biomedical Interest

Andrew Jozef Brzoska  
*Electrical Engineering*

Ian Thomas Buckley  
*Mechanical Engineering*

Jason Allen Bungert  
*Electrical Engineering*

David Matthew Burnham  
*Electrical Engineering*  
with Computer Engineering Specialty  
Awarded February 15, 1996

Jeffrey Solomon Busnach  
*Biotechnology*

Rachel M. Butland  
*Manufacturing Engineering*

Grace M. Buzanoski  
*Electrical Engineering*

Jennifer F. Byron-Carhart  
*Mechanical Engineering*  
with Aerospace Interest

Paul Richard Cabral  
*Civil Engineering*

Joseph Mark Campagna  
*Manufacturing Engineering*  
Awarded February 15, 1996

John Maurice Campetti  
*Mechanical Engineering*

Robert Louis Capone, Jr.  
*Civil Engineering*  
Awarded February 15, 1996

Carla M. Caputo  
*Computer Science*

Alex Cardenas  
*Physics*

Paul Louis Cardone IV  
*Mechanical Engineering*

Stephen Michael Carey  
*Computer Science*

Dianna Marie Carlson  
*Civil Engineering*

Thomas Edward Carr, Jr.  
*Civil Engineering*

Krogen R. Carreño  
*Mechanical Engineering*

Justin Heath Carter  
*Mechanical Engineering*  
with Aerospace Interest

Leila Juliana Carvajal Erker  
*Chemical Engineering*  
Minor in Management

Donald Scott Chaban  
*Civil Engineering*  
Awarded February 15, 1996
*Bertrand Gregory Chabot  
Civil Engineering  
Nicholas Dimitriou Chacharone  
Mechanical Engineering  
*Kaki Chan  
Mechanical Engineering  
Daniel Lee Chaplin  
Electrical Engineering  
Awarded October 12, 1995  
Brian Roger Charest  
Mathematical Sciences  
**Joseph Roger Charpentier  
Civil Engineering  
Keith Eric Checca  
Mechanical Engineering  
Sarkis Chekijian  
Management Engineering  
Howard Min Hao Chen  
Electrical Engineering  
Theresa Cheng  
Manufacturing Engineering  
Awarded February 15, 1996  
*Ricardo Gabriel Chevalier  
Industrial Engineering  
Minor in Management  
Joseph E. Choiniere  
Electrical Engineering  
Alexandra Rachel Chutoransky  
Biology  
*William Patrick Cidela  
Electrical Engineering  
Joseph Richard Ciravolo  
Management Engineering  
Heather Theresa Cleary  
Mechanical Engineering  
Ryan Charles Clement  
Chemistry  
Brian Adam Cohen  
Electrical Engineering  
Awarded February 15, 1996  
*Jeffrey Marc Cohen  
Chemical Engineering  
Awarded February 15, 1996  
Frederick Michael Coleman  
Civil Engineering  
Thomas W. Comey  
Mechanical Engineering  
with Biomedical Interest  
Awarded October 12, 1995  
**Gail Marie Conkannon  
Biochemistry  
Awarded February 15, 1996  
*Michael James Conklin  
Civil Engineering  
Awarded February 15, 1996  
Cathleen Ann Connelly  
Actuarial Mathematics  
Jane Frances Connelly  
Mechanical Engineering  
Awarded October 12, 1995  
*Kerry JoAnn Cooke  
Chemical Engineering  
Awarded February 15, 1996  
*Jannine Marie Copponi  
Biotechnology  
J. David Corbeil, Jr.  
Economics and Technology  
Physics  
**Michael Victor Corbin  
Mechanical Engineering  
Awarded February 15, 1996  
*Juan A. Cordova  
Mechanical Engineering  
Joel Phil Corneliusen  
Civil Engineering  
John Joseph Corrado  
Electrical Engineering  
*Daniel Corriveau  
Engineering Physics  
Awarded February 15, 1996  
Donald Arthur Cottrill  
Mechanical Engineering  
Adam Robert Cravedi  
Electrical Engineering  
Awarded February 15, 1996  
**Rollin Dial Crittendon  
Computer Science  
**Patricia Currier Cross  
Computer Science  
Deborah Jean Crowley  
Mechanical Engineering  
**John J. Crowley  
Biochemistry  
Erica Ann Curran  
Biotechnology  
Society, Technology and Policy  
*David Michael Curry  
Electrical Engineering  
Awarded October 12, 1995  
*Adelbert Fredrick Custodio  
Mechanical Engineering  
Awarded October 12, 1995  
Justin Paul Cutroni  
Mechanical Engineering  
with Aerospace Interest  
Patrick Joseph Cyr  
Civil Engineering  
Michael J. Cyrulik  
Civil Engineering  
Paul F. D'Ambra  
Electrical Engineering  
Awarded October 12, 1995  
**Andrew Forrest David  
Mechanical Engineering  
Paul Armenag David  
Electrical Engineering  
*Sandra Renae Davis  
Mechanical Engineering  
Todd Anthony Davis  
Mechanical Engineering  
with Biomedical Interest  
**Timothy Patrick Dean  
Chemical Engineering

** With High Distinction  
* With Distinction  
' International Scholar
Brad David De Boer
Mechanical Engineering
Matthew Christopher DeFronzo
Biochemistry
Jason L. DeJoannis
Chemical Engineering
Awarded February 15, 1996
Antonio José' Delgado Parra
Civil Engineering
Minor in International Studies
**Peter Hale Dell’Erba
Civil Engineering
Shawn M. DeLoia
Chemical Engineering
Awarded October 12, 1995
*Eric John Denoncourt
Civil Engineering
Jason Donald DePardo
Computer Science
*Davide De Santis
Mechanical Engineering
Yelema A. Desseta
Civil Engineering
Grant Stewart DeVitre
Civil Engineering
Awarded February 15, 1996
*Javier C. Diaz
Computer Science
Awarded February 15, 1996
*Felix M. Diaz Perez
Civil Engineering
Awarded February 15, 1996
*Daniel R. DiBiase
Mechanical Engineering
**Karl F. Dicker
Civil Engineering
Jeremy Scott Disch
Biochemistry
Chemistry
Brendan James Doherty
Mechanical Engineering
with Aerospace Interest
'Andrew J. Doller
Electrical Engineering
'Edward Joseph Domit, Jr.
Mechanical Engineering
Awarded February 15, 1996
Richard Alexander Donaldson VI
Civil Engineering
Konstantinos Dimitrios Droumbalas
Electrical Engineering
Awarded February 15, 1996
'Thomas C. Dube
Civil Engineering
Awarded October 12, 1995
**Eric Paul Dubois
Chemical Engineering
James Matthew Dubord
Mechanical Engineering
with Biomedical Interest
Scott Francis Duffy
Mechanical Engineering
Kevin Harrison Duffy
Chemical Engineering
David Jon Dufort
Chemical Engineering
Christopher Stephen Dunn
Management Engineering
'Donna Emma Edzards
Mechanical Engineering
with Biomedical Interest
Bachar El-Khatib
Electrical Engineering
Awarded February 15, 1996
'Michael Charlton Elliot
Mechanical Engineering
Awarded February 15, 1996
**Gabriel Ernst-Edwards
Computer Science
'Stacy Leon Faught
Mechanical Engineering
with Nuclear Interest
Matthew John Faunce
Electrical Engineering
Awarded October 12, 1995
**Jose F. Fernandes
Electrical Engineering
Awarded October 12, 1995
Carlos Guillermo Fernandez
Civil Engineering
Gaetano John Fichera
Electrical Engineering
Michael Louis Figueiredo
Mechanical Engineering
with Aerospace Interest
Awarded October 12, 1995
'Annabella Mercedes Figuera
Biotecnology
Gregory Allan Findlen
Physics
**Shannon Melissa Finley
Biotecnology
**Elena Florintsev
Biotecnology
Thomas Aaron Folsom
Electrical Engineering
with Computer Engineering Specialty
'Elizabeth Ramos Fonseca
Civil Engineering
*Bradley Christopher Forrest
Civil Engineering
**John James Fournier
Chemical Engineering
*Stephen Joseph Franklin
Physics
**Deborah J. Fraser
Electrical Engineering
Alexander I. Frazier
Mechanical Engineering
*Steven Edward Frechette
Electrical Engineering
Maureen Carol Freeman  
Civil Engineering  
Andrew Philip Funk  
Mechanical Engineering  
**Cynthia Renee Fusco**  
Civil Engineering  
Tricia Lynn Gagnon  
Technical, Scientific and Professional Communication  
Awarded February 15, 1996  
Gregory Joseph Gallagher  
Biochemistry  
Chemistry  
*Adam Thomas Garland*  
Mathematical Sciences  
*Christopher David Gesek*  
Mechanical Engineering  
Awarded February 15, 1996  
Keith Francis Gigliotti  
Mechanical Engineering with Biomedical Interest  
*Sean Robert Gilhooly*  
Computer Science  
*Charles A. Gillis*  
Mechanical Engineering with Biomedical Interest  
Awarded February 15, 1996  
*Peter Richard Giorgi*  
Civil Engineering  
*Keith Nicholas Givelekian*  
Computer Science with Commercial Applications  
Awarded February 15, 1996  
*Danelle Christine Glaspey*  
Civil Engineering  
Awarded October 12, 1995  
John David Gledhill  
Computer Science  
Awarded February 15, 1996  
**Scott Glenn Goddard**  
Civil Engineering  
William A. Goddin, Jr.  
Mechanical Engineering  
Awarded October 12, 1995  
Joshua L. Goding  
Civil Engineering  
*Michael Frank Goesch*  
Biology  
Michael James Golden  
Mechanical Engineering  
**Karen Ellen Goodell**  
Chemical Engineering  
*Steven Daniel Gosselin*  
Mechanical Engineering  
**Douglas Bernard Gove**  
Civil Engineering  
Joseph Arthur Graham  
Mechanical Engineering  
Joel R. Grandin  
Mechanical Engineering  
Awarded October 12, 1995  
*Ronald Francis Grazioso, Jr.*  
Mechanical Engineering with Nuclear Interest  
Awarded February 15, 1996  
Janet Beth Greene  
Mechanical Engineering  
**Kristen Ann Greene**  
Industrial Engineering  
*Brian Thomas Gressley*  
Mechanical Engineering  
Benjamin Alan Griffith  
Electrical Engineering with Computer Engineering Specialty  
Kurt W. Grimm II  
Biochemistry  
Awarded February 15, 1996  
*Heidi A. Groves*  
Computer Science  
**James Matthew Grube**  
Electrical Engineering  
**Beatrice Grygo**  
Management  
Minor in Psychology  
*Lorie A. Guay-Bender*  
Mechanical Engineering  
Randy Allen Guertin  
Civil Engineering  
Laura Ann Guillette  
Biology  
Philip Matthew Gunning  
Mechanical Engineering  
*Eric James Gustafson*  
Mechanical Engineering  
**Thomas M. Guyette**  
Interdisciplinary  
Neil Patrick Hagerty  
Mechanical Engineering  
Chad Michael Hamel  
Civil Engineering  
*Paul Eugene Hammerstrom*  
Mechanical Engineering  
*Craig Richard Hammond*  
Civil Engineering  
Christopher David Haraldsen  
Mechanical Engineering  
**Thomas Andrew Harp**  
Electrical Engineering  
*Victor Boyd Hart*  
Electrical Engineering with Computer Engineering Specialty  
*Gregory Matthew Haskins*  
Electrical Engineering with Computer Engineering Specialty  
**Kevin Stiles Hastings**  
Mechanical Engineering  
Bradley Stewart Hawksworth  
Mechanical Engineering with Aerospace Interest  
Nobuhiko Hayashi  
Physics
Jennifer Anne Healy  
Civil Engineering

Shaun P. Heaney  
Biotechnology

Kimberlie Marie Heath  
Biotechnology Society, Technology and Policy

Michelle Ann Hebert  
Chemical Engineering

Richard Wayne Heidebrecht, Jr.  
Chemistry

Eric J. Heigel  
Electrical Engineering

Jason Raymond Heminger  
Mechanical Engineering with Aerospace Interest

John Patrick Henri, Jr.  
Electrical Engineering

Scott Jeremy Higgins  
Mechanical Engineering

Jason Robert Hills  
Electrical Engineering  
Awarded October 12, 1995

Steven Daniel Hirsch  
Mechanical Engineering  
Awarded February 15, 1996

Justin Lee Holwell  
Mechanical Engineering

Daniel Mason Horgan  
Civil Engineering

Clinton Thomas Howarth  
Mechanical Engineering

Amanda Jean Howells  
Electrical Engineering  
Awarded February 15, 1996

Keith Douglas Hubbard  
Mechanical Engineering with Biomedical Interest

Daniel Aaron Hugaboom  
Civil Engineering

Paula Michelle Hunt  
Mechanical Engineering  
Awarded October 12, 1995

Christoph Hyder  
Mechanical Engineering

Aquiles Inciarte  
Management Engineering

Edward Ioffe  
Computer Science

Thomas E. Izbicki  
Civil Engineering

Eric A. Jacobson  
Computer Science

Pamela J. Jannarelli  
Chemical Engineering  
Awarded February 15, 1996

Benjamin James Johnson  
Electrical Engineering

Brent R. Johnson  
Civil Engineering

Christopher Charles Johnson  
Electrical Engineering

Christopher Patrick Johnson  
Biotechnology

Mohammed Sameer Junaid  
Biology

Theodore Kabiissios  
Mechanical Engineering

Corinne Kirstin Kachler  
Mechanical Engineering with Aerospace Interest and Biomedical Interest

Mark John Kapeckas  
Chemistry

Jason Scott Kavanagh  
Mechanical Engineering

Sarah Kazmi  
Chemical Engineering  
Awarded October 12, 1995

J. Scott Kearney  
Mechanical Engineering with Aerospace Interest  
Awarded February 15, 1996

John David Kedziora  
Electrical Engineering

Christopher Padraic Keenan  
Civil Engineering

Todd Michael Kelleher  
Electrical Engineering

George Albert Crook Keller IV  
Biotechnology

Walter Patrick Kelly, Jr.  
Mechanical Engineering

Patricia Ann Kessler  
Biotechnology

Neeraj Prasad Khare  
Chemical Engineering

Matthew Paul Kielec  
Computer Science  
Awarded February 15, 1996

Douglas Scott Kieweg  
Physics

Jeffrey W. Kijak  
Mechanical Engineering

Matthew Alexander King  
Chemistry  
Awarded February 15, 1996

Brian Douglas Klauber  
Civil Engineering

Alison Hope Kmiecik  
Mechanical Engineering with Aerospace Interest and Biomedical Interest

Hsing Yi Maria Ko  
Chemical Engineering

Heli Marjatta Kokk  
Computer Science

Sharath Komarla  
Chemical Engineering

Caroline Anne Kondoleon  
Chemical Engineering

Rebecca A. Kostek  
Civil Engineering

Kerem Kucukaslan  
Industrial Engineering

Christian Lee Kuiawa  
Computer Science
Christopher Robert Labossiere  
Civil Engineering

Steven Douglas LaBranche  
Civil Engineering

Slawomir Lachcik  
Civil Engineering

*Edward Minh Lam  
Computer Science  
Awarded October 12, 1995

*Mark Andrew Landers  
Physics

*Tracy Ellen Langis  
Mechanical Engineering

Jeffrey Ryan LaRoche  
Chemical Engineering

Lucie Lasovsky  
Biotechnology

Eric Tin-Lok Law  
Civil Engineering  
Minor in Management

Matthew James Leahy  
Biotechnology

*Kenneth David LeBlanc  
Mechanical Engineering

Laurie Joseph LeBlanc  
Mechanical Engineering

*Michael James LeClair  
Mechanical Engineering

*Kenneth Ming Lee  
Management Information Systems

*Marc Edward Lefebvre  
Mechanical Engineering  
with Biomedical Interest

**Monika Jana Lehky  
Electrical Engineering

*Maria Constance LeMay  
Biology

David Matthew Leone  
Civil Engineering

Arthur Levitan  
Management  
Awarded October 12, 1995

*Carolyn Beth Levy  
Biotechnology

*Joseph Raymond L’Heureux  
Mechanical Engineering

Jeneven Ming Le Lin  
Electrical Engineering  
with Biomedical Interest

Aldo Daniele Longhi  
Mechanical Engineering  
Awarded October 12, 1995

Robert Andrew Love  
Mechanical Engineering  
Awarded February 15, 1996

**Jennifer Rae Lovin  
Biochemistry

Leopard Lyman  
Mechanical Engineering

Tanya Macek  
Biotechnology

Kazuhiko Machida  
Chemical Engineering  
Awarded February 15, 1996

Jason Edward Macierowski  
Civil Engineering

Steven Arthur Mack  
Civil Engineering  
Awarded February 15, 1996

Susan Beth MacPherson  
Mechanical Engineering

Leonard C. Macrina, Jr.  
Biotechnology

*Suresh Madhu  
Electrical Engineering  
with Biomedical Interest  
Awarded October 12, 1995

Michael John Magill  
Mechanical Engineering  
with Biomedical Interest

Harry Mark Malkasian  
Mechanical Engineering  
Awarded February 15, 1996

David Michael Maloney, Jr.  
Management Engineering

Stacy J. Mancik  
Civil Engineering

**Christopher Anthony Mangiarelli  
Electrical Engineering

Joseph Michael Marala  
Electrical Engineering

**Todd Anthony Marks  
Civil Engineering

*Andrew Wayne Marsella  
Mechanical Engineering

**Justin Haig Marshall  
Civil Engineering

Tracey Ann Martin  
Biotechnology  
Awarded February 15, 1996

*Enrique Martinez  
Electrical Engineering

*Dwatin May  
Chemical Engineering

*Jonathan David Maynard  
Civil Engineering

**Julie Graham McCullough  
Civil Engineering

**Jesse Brook McCune  
Civil Engineering

Richard Norman McDonald  
Electrical Engineering

**James Bernard McElroy, Jr.  
Mechanical Engineering  
Awarded February 15, 1996

*Lawrence Patrick McGovern  
Mechanical Engineering  
Awarded February 15, 1996

*Stephen F. McGowan  
Manufacturing Engineering  
Awarded October 12, 1995

Sarah Anne McIlhenny  
Mechanical Engineering  
with Aerospace Interest  
and Nuclear Interest
**Patrick R. McManus**  
Computer Science  
Awarded February 15, 1996

* Bilal Mehmood  
Mechanical Engineering

* Michelle Lea Meister  
Biotechnology

* Harold Giovanni Meneses  
Mechanical Engineering  
with Nuclear Interest

* Christopher Scot Michalak  
Mechanical Engineering

Sandra Michalek  
Chemical Engineering

Thomas E. Michalowski  
Chemical Engineering

Mario Miele  
Chemical Engineering

Todd James Mikolaycik  
Civil Engineering  
Awarded February 15, 1996

Christopher John Millea  
Mechanical Engineering  
with Biomedical Interest

Paul Michael Miller  
Civil Engineering  
Awarded October 12, 1995

* Cynthia Lynn Mitchell  
Mechanical Engineering

* Elaine Marie Mongeon  
Computer Science

Larry Lee Montague  
Computer Science

Christian Lee Moore  
Civil Engineering

Justin Michael Moore  
Chemical Engineering

Edison Xavier Moreira  
Electrical Engineering

Susan Maria Moreira  
Mechanical Engineering  
Awarded February 15, 1996

Jason George Morgan  
Mechanical Engineering

Thomas N. Morikis  
Chemical Engineering

Enith Carolina Morillo-Urdaneta  
Electrical Engineering  
with Biomedical Interest

* Alexander Muñoz Villamizar  
Electrical Engineering  
Awarded February 15, 1996

* Francis John Murphy, Jr.  
Mechanical Engineering

* Kevin Michael Murphy  
Chemical Engineering  
with Environmental Concentration

Marie Murphy  
Biology

Christopher Musorofiti  
Civil Engineering

Martha Lori Nalewajk  
Chemical Engineering

** Rajesh Gulabchand Nandwani  
Biology

* Richard August Nanson III  
Mechanical Engineering  
with Aerospace Interest  
and Nuclear Interest

Melissa Ann Nappi  
Electronic Engineering

** James Patrick Naughton  
Actuarial Mathematics  
Management  
Economics and Technology

Susan Lynn Newcomb  
Electrical Engineering

Marvin Haoland Ng  
Mechanical Engineering  
with Aerospace Interest

** Tung Lung Ng  
Electrical Engineering

Algis John Norkevicius  
Chemical Engineering

* Marcie Ellen Noyes  
Mathematical Sciences

Jeffrey Raymond Ogorzalek  
Manufacturing Engineering

** Michael A. Oliva, Jr.  
Mechanical Engineering

Derek J. Olson  
Civil Engineering

* Dorothy M. Olson  
Computers with Commercial Applications

Jose Julian Orbegozo  
Chemical Engineering

Ian Ferguson Osborn  
Mechanical Engineering  
Awarded February 15, 1996

Paul David Osborne  
Civil Engineering

Ndofunsu Mbingu Osias  
Mechanical Engineering

James Christopher O’Sullivan, Jr.  
Mechanical Engineering

Mark Allen Paige  
Civil Engineering

* Brian John Pajak  
Electrical Engineering  
with Computer Engineering Specialty

** Amy Marie Palmer  
Biotechnology

Suneel L. Pandeya  
Electrical Engineering

* Patricia L. Panlilio  
Industrial Engineering  
Minor in Management

Jason Peter Papp  
Mechanical Engineering

Matthew Anthony Paquette  
Mechanical Engineering

* Brian Thomas Parker  
Chemical Engineering  
with Environmental Concentration
Scott Martin Pashoian
Civil Engineering
Awarded February 15, 1996

** Alex Santos Patrao
Electrical Engineering
with Computer Engineering
Specialty

Christopher Dyson Patterson
Mechanical Engineering
with Nuclear Interest

Mark Randall Paulson
Electrical Engineering
Awarded October 12, 1995

Eric Pavao
Electrical Engineering

*Ian Frank Pawloski
Manufacturing Engineering

Todd Alan Peavey
Mechanical Engineering

Noah T. Pell
Biotechnology

Anne Marie Pelletier
Biology

Bryan Matthew Pepin
Chemical Engineering

Christopher Paul Pera
Civil Engineering

**Jeffrey Francis Perlak
Mathematical Sciences

*Stephanie Christine Pero
Biotechnology

Adam M. Perrotta
Biotechnology

*Richard Joseph Person
Electrical Engineering

Brian Craig Pestana
Civil Engineering

**Jeffrey Carl Peterson
Actuarial Mathematics
Minor in Management

Minh Anh Pham
Civil Engineering

Christopher Robert Pistel
Electrical Engineering
with Biomedical Interest
Awarded February 15, 1996

*Amy Lynne Plack
Technical, Scientific and Professional Communication

Jennifer Lee Plante
Humanities

Joseph Walter Podles
Electrical Engineering

Olivier Chaiyaporn Poupart
Biochemistry
Awarded October 12, 1995

Michael Robert Preston
Chemical Engineering
Awarded October 12, 1995

*Nicolas V. Pujol
Mechanical Engineering
Awarded October 12, 1995

Ashwin Madhukar Purohit
Mechanical Engineering
Awarded February 15, 1996

**Ian Winston Quinn
Mechanical Engineering

*Navin E. Rajashekar
Chemical Engineering
Awarded February 15, 1996

Kevin Joseph Ranucci
Mechanical Engineering
with Biomedical Interest

Jonathan Paul Rausch
Electrical Engineering
Awarded October 12, 1995

Kirsty Erin Reidy
Mechanical Engineering
with Aerospace Interest

*Alison Sullivan Reppucci
Electrical Engineering

*John David Reynolds
Chemical Engineering

Michael Burton Rice
Mechanical Engineering

**Ronald Alan Rice
Civil Engineering
Awarded October 12, 1995

*Noah Harrison Ripps
Technical, Scientific and Professional Communication

Mark Douglas Rizzuto
Mechanical Engineering

David Allen Roberts
Mechanical Engineering

Eduardo Francisco Roberts
Civil Engineering

Michael David Roberts
Electrical Engineering

*James Jude Rogers
Management Engineering

Michael E. Rogers
Electrical Engineering
Awarded February 15, 1996

*Saskia Rosas Porras
Mechanical Engineering
with Biomedical Interest

Laura Diane Rosenquist
Electrical Engineering

**Martin C. Rosner
Electrical Engineering
with Computer Engineering
Specialty

**Jarrod Brandon Rossacci
Mechanical Engineering

Mark William Roy
Chemical Engineering

*Rebecca Anne Rubenstein
Mechanical Engineering

*Michael Anthony Rufo
Mechanical Engineering

Michael Joseph Rukas, Jr.
Civil Engineering
Awarded February 15, 1996

**With High Distinction
* With Distinction
' International Scholar
Gregory Thomas Rule  
Chemical Engineering

Michael David Rupp  
Chemical Engineering

Patrick Louis Russo, Jr.  
Electrical Engineering

Albert William Salonis, Jr.  
Mechanical Engineering  
Awarded October 12, 1995

* Scott T. Salvidio  
Computer Science

* Richard R. Santora  
Engineering Physics

Shant Sarkees  
Chemical Engineering

John Anthony Savini  
Mechanical Engineering

Ann Marie Sbriglio  
Mathematical Sciences

Neil Patrick Scannell  
Biology

** Joseph F. Schaffer  
Civil Engineering

* James Stephen Scheflen  
Civil Engineering  
Awarded February 15, 1996

** Sarah Jane Schlesinger  
Biology

** Philipp Karl Schuessler  
Mechanical Engineering  
Awarded February 15, 1996

** Kimberley Ann Scofield  
Mechanical Engineering

'Susan Stephanie Scott  
Biotechnology

Patricia Lynn Sears  
Civil Engineering

* Richard Karl Seiffert  
Computer Science  
Awarded October 12, 1995

** John Nicholas Sempeles  
Chemical Engineering  
with Environmental Concentration

' Sabrina Shams Shamsuddin  
Chemical Engineering  
Minor in International Studies

Matthew Warren Shedd  
Chemical Engineering

' Kristen Ann Shepard  
Biology  
Humanities

' Ray Harrison Shirk IV  
Biology

' Matthew P. Shute  
Civil Engineering

Kimberley Anne Sieber  
Electrical Engineering  
with Computer Engineering  
Specialty

' Mark William Simon  
Computer Science

Joshua Johnson Single  
Electrical Engineering

' Ronald Darren Slack  
Electrical Engineering

Timothy Robert Sloper  
Electrical Engineering

Steven David Sluter  
Biotechnology

Troy Dumar Small  
Manufacturing Engineering

** Jennifer Jo Smith  
Mechanical Engineering

'Stephen Edward Smith  
Electrical Engineering

Kathleen Mary Snell  
Mathematical Sciences

** Rudy Bernardo Soriano  
Management Engineering  
Industrial Engineering

' Pedro Soria Rodriguez  
Electrical Engineering

' Jessica Willow Soucy  
Biotechnology

'Michael Thomas Spadazzi  
Electrical Engineering

' Kenneth Wilhelm Spark  
Computer Science  
Awarded October 12, 1995

'Timothy Walden Spence  
Mechanical Engineering

** David Kurt Spencer  
Computer Science  
Awarded October 12, 1995

Sean Eric Squire  
Electrical Engineering  
Humanities

' Kristen Tara Stagg  
Mechanical Engineering

William Michael Stankosky  
Mechanical Engineering

' Ryan Thomas Stapleton  
Mechanical Engineering  
with Biomedical Interest

Daniel Roy Staveley  
Civil Engineering

Jeffery Christopher Stearns  
Civil Engineering

' Glenn Bradley Stevens  
Civil Engineering

** Jonathan Marc Stewart  
Mechanical Engineering

** Kurt Richard Stewart  
Biochemistry

David Lawrence Strong  
Electrical Engineering  
Awarded February 15, 1996

' Kenneth Andrew Stubert  
Mechanical Engineering

' Heri Sumantri Sudarijanto  
Management Engineering  
Awarded February 15, 1996

'Mark David Suennen  
Civil Engineering

Daniel Edward Sullivan  
Civil Engineering

Eugene Suzuki  
Electrical Engineering  
with Computer Engineering  
Specialty
Joshua Peter Swartz
Mathematical Sciences

* Nadeem Ahmed Syed
Biotechnology

** Elliot N. Tan
Mechanical Engineering
Awarded February 15, 1996

Josh E. Tang
Mechanical Engineering

Matthew William Tapley
Mechanical Engineering
Awarded October 12, 1995

Robert Thomas Tate
Mechanical Engineering
Awarded October 12, 1995

Eric David Taylor
Mechanical Engineering

* Sarah Ann Tegan
Biotechnology

Pedro Medeiros Teixeira
Electrical Engineering

* Elizabeth Anne Tengstrand
Chemical Engineering with Biomedical Concentration
Minor in International Studies

* Jayson Andrew Teno
Civil Engineering

Wayne D. Thibaudeau
Biochemistry

Steven Charles Thurston
Mechanical Engineering
Awarded February 15, 1996

Lorin Leigh Ting
Electrical Engineering
Awarded October 12, 1995

Christopher Hendrie Titus
Biotechnology

Alex L. Toda
Chemical Engineering

** Ryan Charles Tomasetti
Electrical Engineering

Craig Alan Tourgee
Electrical Engineering
Awarded February 15, 1996

Damian Triantafillou
Mathematical Sciences

* Nisa Kristaino Tristaino
Chemistry

Matthew Robert Trostel
Electrical Engineering

** Eric Paul Truebe
Civil Engineering

** Kei Tsuda
Mechanical Engineering with Aerospace Interest
Awarded February 15, 1996

Mark Tucker
Computer Science
Awarded October 12, 1995

Steven James Tucker
Computer Science

* Jeffrey Charles Tufts
Biotechnology

Timothy Michael Tully
Mechanical Engineering with Nuclear Interest

Molly Francise Usilton
Mechanical Engineering

Kevin William Valliere
Mechanical Engineering
Awarded February 15, 1996

Dawn Marie Varacchi
Chemistry
Awarded October 12, 1995

Kristopher John Ventura
Mechanical Engineering

** Karen Andrea Verrill
Electrical Engineering

* Kenneth Robert Volock
Civil Engineering

Brian Paul Waehler
Civil Engineering

Glenn Michael Wagner
Electrical Engineering
Awarded October 12, 1995

Andrew M. Waite
Civil Engineering
Awarded February 15, 1996

Thaddeus Peter Walczuk
Mechanical Engineering
Awarded February 15, 1996

** Michael Ian Walker
Mechanical Engineering

Shelby Julia Walker
Biology

* James Enos Warren
Civil Engineering

Kyle Travis Warren
Electrical Engineering

Andrew David Watts
Computer Science

* Noah Lucas Weisleder
Biotechnology

Robert D. Weitz
Electrical Engineering with Biomedical Interest
Awarded February 15, 1996

Kevin R. Weldon, Jr.
Electrical Engineering

Chad Barret Wemyss
Mechanical Engineering with Aerospace Interest

* Jeffrey Michael West
Electrical Engineering

Kevin James Wheeler
Mechanical Engineering

Christina Lynne White
Biology
Awarded February 15, 1996

* Matthew R. Whitten
Mechanical Engineering

** Bradley John Williams
Mechanical Engineering

** With High Distinction
* With Distinction
* International Scholar
Douglas Paul Wilson  
Chemistry

Michael Francis Winters  
Management Engineering

Theodore Dimitri Woehnker  
Electrical Engineering

Angela M. Wonsey  
Biotechnology

Alan Wood  
Mathematical Sciences  
Minor in Computer Science

Timothy Joseph Wordell  
Biology  
Awarded October 12, 1995

James Bradley Wright  
Mechanical Engineering

Brian Gregory Yergatian  
Civil Engineering

James Michael Yeske, Jr.  
Civil Engineering  
Awarded February 15, 1996

Lucas M. Young  
Mechanical Engineering  
Awarded February 15, 1996

David Joseph Yudichak  
Mechanical Engineering  
Awarded October 12, 1995

Nikolai Alexander Yurkanin  
Humanities  
Awarded October 12, 1995

Brian R. Zaleski  
Mechanical Engineering

Adam Daniel Zampino  
Civil Engineering

Carlos A. Zapata  
Electrical Engineering  
Humanities

Joanna Zawadzki  
Chemical Engineering

Alejandro A. Zeller  
Electrical Engineering

Leonid Semyonovitch Zheleznyak  
Manufacturing Engineering  
Awarded February 15, 1996

Donald Edward Ziniti  
Mechanical Engineering  
with Aerospace Interest

Geoffrey Scott Zub  
Computer Science
DEGREE OF
MASTER OF SCIENCE

Candidates presented by Dr. Diran Apelian

Shilpa Agarwal
Management

James Douglas Albanese
Fire Protection Engineering

Nawar Sami Alwesh
Electrical Engineering

Aaron Michael Anderson
Fire Protection Engineering
Awarded October 12, 1995

Aran Edward Anderson
Electrical Engineering
Awarded October 12, 1995

Mark Eric Anderson
Fire Protection Engineering

Achmad Yuliandi Bachtiar
Fire Protection Engineering
Awarded October 12, 1995

John S. Balian
Computer Science
Awarded February 15, 1996

Eric Scott Barrell
Electrical Engineering

Peter Frederick Bastien
Computer Science

Brian Conrad Beauregard
Electrical Engineering

Daniel Paul Beauregard
Electrical Engineering

Thomas Edward Bedard
Fire Protection Engineering

Alex Behrakis
Computer Science
Awarded October 12, 1995

Christopher Lawson Bentley
Computer Science

Jonathan Philip Bernick
Electrical Engineering
Awarded February 15, 1996

Kevin Lawrence Biando
Fire Protection Engineering
Awarded February 15, 1996

Chad Roger Binkerd
Chemical Engineering
Awarded February 15, 1996

Stephen J. Bitar
Electrical Engineering
Awarded October 12, 1995

Christopher Anthony Borg
Materials Science and Engineering

Robert Orson Bragdon, Jr.
Physics

Mark David Braley
Management

Marc Matthew Brezinski
Civil Engineering
Awarded February 15, 1996

Michael Paul Brown
Manufacturing Engineering
Awarded October 12, 1995

Dmitry Victorovich Brumberg
Applied Mathematics
Awarded February 15, 1996

Brian Allen Burd
Mechanical Engineering
Awarded October 12, 1995

Andrew P. Busa
Electrical Engineering

Jared G. Buzby
Mechanical Engineering

James Francis Callery
Fire Protection Engineering

David Pasquale Cappabianca
Materials Science and Engineering
Awarded February 15, 1996

John Thomas Cardente
Electrical Engineering
Awarded February 15, 1996

Fabio Carrera
Computer Science
Awarded February 15, 1996

Loring William Chadwick, Jr.
Electrical Engineering

Paul Anthony Chambers
Management
Awarded October 12, 1995

David Chan
Electrical Engineering
Awarded October 12, 1995

Chung-Chi Chang
Chemical Engineering
Awarded February 15, 1996

Matthew Russell Chase
Fire Protection Engineering

John Manuel Chaves
Management
Awarded February 15, 1996

Sharon Sheue-ru Chen
Chemical Engineering
Awarded October 12, 1995

Walter Stuart Ching
Computer Science
Awarded October 12, 1995

Weston St. Aubin Clarke
Computer Science

David S. Cole
Management
Awarded October 12, 1995
Kenneth Bernard Cordio  
*Mechanical Engineering*

Laurence J. Dallaire III  
*Fire Protection Engineering*

Jeffrey Louis DeMaine  
*Fire Protection Engineering*

Gina M. DePlanche  
*Computer Science*

Olaf Roeland Derkx  
*Chemical Engineering*  
Awarded February 15, 1996

Timothy J. DeSantis  
*Materials Science and Engineering*

Ian William Donaldson  
*Materials Science and Engineering*  
Awarded October 12, 1995

Sean Stanley Donohue  
*Fire Protection Engineering*  
Awarded February 15, 1996

John Stuart Dunkelberg, Jr.  
*Computer Science*

Okoziem Nathalia Eledu  
*Computer Science*  
Awarded February 15, 1996

Fatemeh Fakhraie  
*Electrical Engineering*  
Awarded February 15, 1996

Stephen Karl Freitag  
*Electrical Engineering*

Paul Wellington Frost III  
*Computer Science*  
Awarded February 15, 1996

Stephen John Gemmell  
*Biomedical Engineering*

David M. George  
*Civil Engineering*

Mohammad Ali Ghazanfari  
*Computer Science*

Eric Luke Gilmore  
*Construction Project Management*

Byron Leonard Glueck  
*Computer Science*  
Awarded February 15, 1996

Victor Hugo Gonzalez  
*Management*

Gregory S. Goss  
*Electrical Engineering*  
Awarded February 15, 1996

Andreas Grebe  
*Electrical Engineering*

Andrew Tyrone Grenier  
*Fire Protection Engineering*

John Francis Grogan  
*Fire Protection Engineering*

Steven Franklin Harris  
*Computer Science*

Lobat Hashemi  
*Applied Statistics*  
Awarded October 12, 1995

Elizabeth Anne Hawes  
*Computer Science*  
Awarded February 15, 1996

Don D. Hemmavanh  
*Biotechnology*  
Awarded October 12, 1995

Barry Kevin Hill  
*Electrical Engineering*

Shane Andrew Hooker  
*Electrical Engineering*  
Awarded February 15, 1996

Andrew E. Horch  
*Electrical Engineering*  
Awarded February 15, 1996

Yi-Chih Huang  
*Biomedical Engineering*

Vaishal Shirish Kapadia  
*Chemical Engineering*  
Awarded February 15, 1996

Uma Bhojaraj Keshavan  
*Electrical Engineering*

Jerome Edwin Kiley  
*Mechanical Engineering*  
Awarded February 15, 1996

Brian Parker Kinsley  
*Civil Engineering*

David Allen Kneeburg  
*Mechanical Engineering*

Danielle A. Koschmieder  
*Computer Science*  
Awarded October 12, 1995

John Robert Kruse  
*Construction Project Management*  
Awarded February 15, 1996

Hiroyumi Kurihara  
*Fire Protection Engineering*  
Awarded February 15, 1996

Frank George Lagodimos  
*Civil Engineering*

Paul William Lain  
*Fire Protection Engineering*  
Awarded February 15, 1996

Renee Vaillancourt Lantz  
*Fire Protection Engineering*

Paul Lapomardo  
*Computer Science*

Joseph Edward Laskowski  
*Materials Science and Engineering*  
Awarded February 15, 1996

John N. Liddy  
*Computer Science*

Cheng-Ling Lin  
*Computer Science*  
Awarded February 15, 1996

Charles Coleman Linton  
*Electrical Engineering*  
Awarded February 15, 1996

Zhao Luo  
*Computer Science*

James Michael Mach  
*Computer Science*

Awarded October 12, 1995
<table>
<thead>
<tr>
<th>Name</th>
<th>Degree/Engineering</th>
<th>Awarded Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>John E. Mahoney</td>
<td>Fire Protection Engineering</td>
<td>February 15, 1996</td>
</tr>
<tr>
<td>Kimberly Christopher Mann</td>
<td>Mechanical Engineering</td>
<td></td>
</tr>
<tr>
<td>James Martucci, Jr.</td>
<td>Electrical Engineering</td>
<td></td>
</tr>
<tr>
<td>Mary-Jo Matthews</td>
<td>Materials Science and Engineering</td>
<td></td>
</tr>
<tr>
<td>Eric Paul Maynard</td>
<td>Mechanical Engineering</td>
<td></td>
</tr>
<tr>
<td>Eric Earl McKenzie</td>
<td>Computer Science</td>
<td></td>
</tr>
<tr>
<td>Thomas Adam McLaughlin</td>
<td>Computer Science</td>
<td>October 12, 1995</td>
</tr>
<tr>
<td>Marileine M. Melhem</td>
<td>Construction Project Management</td>
<td>October 12, 1995</td>
</tr>
<tr>
<td>Ronald Buckley Melucci</td>
<td>Fire Protection Engineering</td>
<td>October 12, 1995</td>
</tr>
<tr>
<td>Scott Anthony Messier</td>
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Gabriel Shapira  
*Computer Science*

Ramesh Sharma  
*Electrical Engineering*

Tatiana Eugene Shelekhin  
*Chemistry*

Holly Sue Shepardson  
*Computer Science*  
Awarded February 15, 1996

Huai-Te Shu  
*Chemistry*

Thomas Charles Slade  
*Management*  
Awarded October 12, 1995

Jeffrey Howard Slovin  
*Computer Science*

Roger Alan Slyk  
*Computer Science*

Ralph Robert Smith III  
*Management*

Tara Colleen Smith  
*Biology*  
Awarded October 12, 1995

William Calvin Smith  
*Electrical Engineering*

Michael Thomas Spellman  
*Computer Science*

George L. Su  
*Mechanical Engineering*  
Awarded October 12, 1995

Sanjay Tagadur Subbanna  
*Computer Science*  
Awarded October 12, 1995

Robert Daniel Sullivan  
*Fire Protection Engineering*

Jim Tai  
*Electrical Engineering*

Kean Seng Tan  
*Chemical Engineering*  
Awarded February 15, 1996

Andrew Jon Terry  
*Manufacturing Engineering*  
Awarded October 12, 1995

Lucy Tjandra  
*Civil Engineering*

Melissa Jean Towler  
*Biotechnology*

Luis Carlos Vallejo  
*Manufacturing Engineering*  
Awarded October 12, 1995

Louis Varrichione IV  
*Manufacturing Engineering*  
Awarded February 15, 1996

Kevin Vaughan  
*Mechanical Engineering*

Sandra Vélez  
*Chemical Engineering*  
Awarded October 12, 1995

Namibnuur S. Vidyashanker  
*Computer Science*  
Awarded February 15, 1996

Christopher Jon Vroman  
*Materials Science and Engineering*

Colleen Alice Wade  
*Fire Protection Engineering*

Vicki Yu Wang  
*Electrical Engineering*  
Awarded October 12, 1995

Anthony J. Wespiser  
*Management*

Justine Julia Whalen  
*Management*

Michelle Ann Whipple-Duclos  
*Chemical Engineering*  
Awarded October 12, 1995

Sean Thomas White  
*Electrical Engineering*  
Awarded February 15, 1996

Geoffrey Sean Wiersema  
*Chemical Engineering*

David Alan Wilson  
*Mechanical Engineering*

Mary E. Wortley  
*Management*  
Awarded October 12, 1995

Harold Melvin Wotton III  
*Biomedical Engineering*

Amy Yang  
*Biology*

Bing Zhang  
*Chemistry*

John Michael Zuena  
*Computer Science*
DEGREE OF
MASTER OF ENGINEERING
Candidates presented by Dr. Diran Apelian

Arun Kumar Basil
Mechanical Engineering
Awarded October 12, 1995

Arie Pieter Bregman
Mechanical Engineering

Jeffrey Stuart Cote
Mechanical Engineering
Awarded October 12, 1995

Kathleen Kreitner DaSilva
Biomedical Engineering

Firas El Khatib
Mechanical Engineering
Awarded October 12, 1995

Quazi A. Haque
Biomedical Engineering
Awarded October 12, 1995

Dennis Paul Mason
Fire Protection Engineering

Michael Meiler
Biomedical Engineering

Daniel Lauchlin Reagan
Mechanical Engineering

Karen Lynn Reichenbach
Biomedical Engineering
Awarded February 15, 1996

Joseph Ernest Richard
Mechanical Engineering

Petar Stojadinovic
Biomedical Engineering
Awarded October 12, 1995

Henry Charles Valcour III
Mechanical Engineering

Kenneth John Webber
Mechanical Engineering
Awarded October 12, 1995

DEGREE OF
MASTER OF MATHEMATICS
Candidates presented by Dr. Diran Apelian

Joyce Costa

Anne Marie Fayan
Sheila Marie Hass
G. Michael Mead

Rita Marie Cusack
Awarded February 15, 1996

Andrew James Newton
Gerald Francis Taylor
Awarded February 15, 1996

DEGREE OF
MASTER OF MATHEMATICS FOR EDUCATORS
Candidate presented by Dr. Diran Apelian

Douglas Hills Borden III
DEGREE OF
MASTER OF NATURAL SCIENCE
Candidates presented by Dr. Diran Apelian

Robert Paul Becker
Donald Joseph Donovan, Jr.
Martin Edward Eastman
Beth V. Jones
Brian William Kondek
James Michael Miller
Horatio Nicastro
Jean M. Siddall-Bensson
Laura D. Smutnick

DEGREE OF
MASTER OF BUSINESS ADMINISTRATION
Candidates presented by Dr. Diran Apelian

Michael Jude Ahearne
Awarded October 12, 1995
Douglas N. Bellfy
Awarded October 12, 1995
Mark Edward Clemons
Awarded October 12, 1995
William Francis Gagne
John Harper Gale III
Claudio Marcelo Gelman
Awarded October 12, 1995
Susan Herbert Gorius
Awarded February 15, 1996
John Edward Marshall Grech
J. Richard Hero, Jr.
Donald Leroy Hill, Jr.
Edgar Eugenio Izquierdo
Nils Jerome Jacobson
Lisa Marie Jernberg
Christopher J. Kelly
Ann Tully Kenney
Mary Agnes Mahaney
John Joseph Marzinsky
Juan M. Navas
Douglas Richard Norton
James Philip Norvold
Robert Wayne Olson
Mark David Quinn
Awarded February 15, 1996
Matthew Thornton Rearwin
David Lee Schiff
Awarded October 12, 1995
Thomas Jay Semeter
Awarded October 12, 1995
Thomas James Tracy
Rodney Daniel Trzepacz
Awarded October 12, 1995
Scott M. Weinstein
Awarded October 12, 1995

DEGREE OF
DOCTOR OF PHILOSOPHY
Candidates presented by Dr. Diran Apelian

Leonard Todd Anderson
B.S., University of Massachusetts;
M.S., Worcester Polytechnic Institute
CIVIL ENGINEERING—"The Effect of Short-term vs. Long-term Stagnation on Water Quality in Wet Pipe Fire Sprinkler Systems and the Migration of Stagnated Water Across Backflow Preventer Assemblies" (Advisor: Dr. Frederick L. Hart)
Awarded February 15, 1996

Yonggang Chen
B.S., Nanjing Institute of Technology (People's Republic of China); M.S., Worcester Polytechnic Institute
FIRE SCIENCE—"Horizontal Flame Spread on Compartment Surfaces" (Advisor: Dr. Vahid Motevalli)
Awarded October 15, 1995
Michael Francis Ethier  
B.S., M.S., Worcester State College  
BIOMEDICAL SCIENCES—"Mitogenic Effects of Adenosine on Human Endothelial Cells"  
(Advisors: Dr. Joseph C. Bagshaw, Dr. James Dobson, UMass Medical Center)

Aram Falsafi  
B.S., Worcester Polytechnic Institute;  
M.S., Rensselaer Polytechnic Institute  
ELECTRICAL ENGINEERING—"Performance Evaluation of Transmission Techniques for Wireless Local Area Networks"  
(Advisors: Dr. Kaveh Pahlavan, Dr. John A. Orr)

Amir Mansour Ghazi Zahedi  
B.S., M.S., Sharif University of Technology (Iran)  
ELECTRICAL ENGINEERING—"Passive Filter Optimization in Distribution Feeders"  
(Advisor: Dr. Alexander E. Emanuel)  
Awarded February 15, 1996

Leszek Gora  
B.S., M.S., Technical University of Lodz (Poland)  
CHEMICAL ENGINEERING—"Crystallization of Zeolites From Clear Solutions"  
(Advisor: Dr. Robert W. Thompson)  
Awarded October 15, 1995

Mark H. Hasso  
B.S., Al-Hikma University (Iraq);  
M.S., City University of London (England);  
M.S., Worcester Polytechnic Institute  
CIVIL ENGINEERING—"Strategic Systems Model for the Management of U.S. International Engineering and Construction Growth"  
(Advisors: Dr. Frank D. DeFalco, Dr. Leon S. Graubard, Dr. Robert W. Fitzgerald)

Partap Singh Khalsa  
D.C., Los Angeles College of Chiropractic;  
M.S., Boston University  
BIOMEDICAL SCIENCES—"Mechanical States Activating Stretch-sensitive Neurons in Cat Knee Capsule"  
(Advisors: Dr. Allen H. Hoffman, Dr. Peter Grigg, UMass Medical Center)  
Awarded October 15, 1995

Chankyu Kim  
B.S., Seoul National University (Republic of Korea);  
M.S., Worcester Polytechnic Institute  
CIVIL ENGINEERING—"The Evaluation of Impact of Computer-integrated Construction and the Development of Integrated Course Curricula"  
(Advisor: Dr. Guillermo F. Salazar)

Stephen Eugene Taylor  
A.B., Harvard University;  
M.S., Worcester Polytechnic Institute  
COMPUTER SCIENCE—"The Capitalist Method for Analyzing Multidimensional Files"  
(Advisors: Dr. Nabil I. Hachem, Dr. Stanley M. Selkow)  
Awarded: October 15, 1995

Chung-Yi Tsai  
B.S., Chung Yuan Christian University (Taiwan);  
M.S., National Tsing Hua University (Taiwan)  
CHEMICAL ENGINEERING—"Perovskite Dense Membrane Reactor for the Partial Oxidation of Methane to Synthesis Gas"  
(Advisors: Dr. Anthony G. Dixon, Dr. Yi Hua Ma, Dr. William R. Moser)

David L. Westerling  
B.S., University of Massachusetts;  
M.S., Worcester Polytechnic Institute  
CIVIL ENGINEERING—"Optimization of Near Surface Storage in Combined Sewers Using Time Series Data"  
(Advisor: Dr. James C. O'Shaughnessy)  
Awarded October 12, 1995

Scott Arthur Whitaker  
B.S., Clark University  
BIOMEDICAL SCIENCES—"Characterization of the Oncogenic Region of Herpesvirus Saimiri"  
(Advisors: Dr. David S. Adams, Dr. Peter Medvecsky, UMass Medical Center)  
Awarded February 15, 1996
RESERVE OFFICER TRAINING CORPS

The following members of the Class of 1996 received their commissions as part of this morning’s Commencement exercises.

UNITED STATES ARMY
Commissioned Second Lieutenants were:

Gregory Thomas Rule
Joshua Johnson Single

UNITED STATES NAVY
Commissioned Ensigns were:

Michael James Andretta
Joshua Robert Binder
John David Gledhill
Bradley Stewart Hawksworth
Douglas Scott Kieweg
Michael Thomas Spadazzi
Kenneth Andrew Stubert

UNITED STATES AIR FORCE
Commissioned Second Lieutenants were:

Sven August Backlund
Eric J. Heigel
Steven Douglas LaBranche
Kevin Michael Murphy
STUDENT HONOR AWARDS

--- COLLEGE ACADEMIC AWARDS ---

Salisbury Prize Awards
Keith A. Barrett, Computer Science
Teri L. Brehio, Mechanical Engineering
Shawn P. Brennan, Chemical Engineering
Robert A. Borrelli, Mechanical Engineering
John D. Corbeil, Physics/Social Science & Policy Studies
Karl F. Dicker, Civil and Environmental Engineering
Elena Florintsev, Biology and Biotechnology
Deborah J. Fraser, Electrical and Computer Engineering
Shaun P. Heaney, Biology and Biotechnology
James P. Naughton, Mathematical Sciences
Tung L. Ng, Electrical and Computer Engineering
Douglas P. Wilson, Chemistry and Biochemistry
Carlos A. Zapata, Electrical and Computer Engineering

These awards of $150 are made to the most meritorious seniors at the Institute. They were established by Stephen Salisbury II, a WPI founder and first president of the Board of Trustees.

Two Towers Prize
Jeffrey D. Spaleta, Mathematical Sciences/Physics

In keeping with the original purposes of the founders of the college, the Two Towers Prize is awarded to a student who, through general academic competence, campus leadership, regular course work, and special work in research and projects, best exemplifies a combined proficiency in the theoretical and practical union that is at the heart of the WPI educational tradition. This prize was established by Mildred M. Tymeson Petrie, author of TWO TOWERS, WPI's centennial history.

Sigma Xi Award for the Outstanding Major Qualifying Project in Engineering
Elizabeth A. Tengstrand '96: “Heat Transfer During Protein Denaturation and Tissue Ablation”
(Advisor: Profs. David DiBiasio, Satya Shirkumar, CM)

Sigma Xi Award for the Outstanding Major Qualifying Project in Science
Aron C. Atkins '96: "Maximal k-Cobras"
(Advisor: Prof. Ansuman Bagchi, MA)

Sigma Xi Master’s Research Award
Lobat Hashemi: “Bayesian Inference of a Single 2x2 Table: An Assessment of Gender Differences in the Worcester Heart Attack Study”
(Advisor: Prof. Balgoibn Nandram, MA)

Sigma Xi Master’s Research Award (Honorable Mention)
Dmitry V. Brumberg: “Recursively-Polynomial Representation of Expressions in Symbolic Manipulations”
(Advisor: Prof. Ansuman Bagchi, MA)

Sigma Xi Doctoral Research Award
Murat G. Suer: “Catalytic and Transport Mechanisms of Supercritical Fuels”
(Advisor: Prof. William R. Moser, CM)

THE THREE PRECEDING AWARDS, established in 1983, are presented for outstanding research by students at the master’s and doctoral levels and are sponsored jointly by the Society of the Sigma Xi and the Committee on Graduate Studies and Research.

President's IQP Award
Jesus M. Beltran '96, Erin E. Brophy '97, Alex Cardenas '96: “A Computerized Catalog of Outdoor Art in Dorsoduro, Venice”
(Advisors: Prof. Douglas W. Woods, Fabio Carrera)

These awards of certificates and honoraria are given to those students and student teams whose conception, performance and presentation of their Interactive Qualifying Projects have been judged outstanding in focusing on the relationships among science, technology and the needs of society.

Provost's MQP Awards
BIOLOGY AND BIOTECHNOLOGY:
Shannon M. Finley '96: “Discovery of a Human Axonal Orientation Protein”
(Advisors: Prof. David S. Adams; Dr. Tim Burn, Genzyme Corp.)

Stephanie C. Pero '96: “Carbohydrate Immunomodulator Signal Transduction”
(Advisor: Prof. David S. Adams)
Provost's MQP Awards (continued)

CHEMICAL ENGINEERING:
Elizabeth A. Tengstrand '96: "Heat Transfer During Protein Denaturation and Tissue Ablation"
(Advisors: Profs. David DiBiasio, Satya Shitikumar)

Edwin A. Arevalo '96, Michelle A. Hebert '96, John N. Sempeles '96, Quang Tran '96: "Polymer/Solvent Separation for Waste Minimization"
(Advisor: Prof. William M. Clark)

Thomas E. Michalowski '96, Kevin M. Murphy '96, Nicholas E. Palmer '96, John D. Reynolds '96: "Novel Materials for Water Disinfection"
(Advisor: Prof. Robert W. Thompson)

CHEMISTRY AND BIOCHEMISTRY:
Douglas P. Wilson '96: "Studies Directed Toward the Mechanism of the Photoinitiated Ylide-Alkene Cyclodaddition Reaction"
(Advisor: Prof. James P. Dittami)

CIVIL AND ENVIRONMENTAL ENGINEERING:
Joshua L. Goding '96, Thomas E. Izbricki '96, Karl F. Dicker '96, Peter H. Dell'Erba '95: "Cochesset Church, West Bridgewater, Mass."

Heiko Denk, Mack Reinier: "European/American Code-based Design"
(Advisors: Profs. Leonard D. Albano, P. Jayachandran)

Scott G. Goddard '96, Adam D. Zampino '96: "Plume Mitigation at Otis Air Force Base"
(Advisor: Prof. Paul P. Mathisen)

COMPUTER SCIENCE:
Benjamin Bennett '96, Yeasah G. Pell '97: "Genetic Algorithms For Network Flow Problems"
(Advisors: Prof. Stanley M. Selkow, Martin E. Balazs)

Patrick R. McManus '96, Scott T. Salvidio '96: "Explaining a Network"
(Advisor: Prof. Craig E. Wills)

ELECTRICAL AND COMPUTER ENGINEERING:
William P. Cidela '96, Christopher A. Mangiarelli '96, Michael D. Roberts '96: "GPS Remote Hazard Detection System"

Theodore D. Woehnker '95, Alejandro A. Zeller '96: "A Sorting Robot" (Advisor: Prof. James S. Demetry)

Monika J. Lehky '96, Melissa A. Nappi '96, Pedro Soria-Rodriguez '96: "Coprocessor Board for Cryptographic Applications"
(Advisor: Prof. Christof Paar)

HUMANITIES AND ARTS:
Kristen A. Shepard '96: "Drinking in Paradise"
(Advisor: Prof. Edmund M. Hayes)

MANAGEMENT:
Kristen A. Greene '96, Patricia L. Panlilio '96, James J. Rogers '96: "Reducing Back Injury in the Healthcare Industry"
(Advisor: Prof. Frank Noonan)

Rachelle Kucukaslan '96, Rudy B. Soriano '96: "Hosiery Marketing Plan for Aytug Inc."
(Advisors: Profs. Michael B. Elmes, Kathryn A. Sullivan)

MANUFACTURING ENGINEERING:
Rachel M. Butland '96, Keith E. Checca '96, Donald A. Cottrill '96, Cynthia L. Mitchell '96: "Rapid Antenna Prototyping"
(Advisor: Prof. Richard D. Sisson Jr.)

MATHEMATICAL SCIENCES:
Henry A. Fink '96, Jeffrey D. Spaleta '97: "The Blasius Boundary-layer Problem Over Terrain"
(Advisor: Prof. Mayer Humi)

Adam T. Garland '96, Marcie E. Noyes '96, Jeffrey F. Perla '96: "Rod Path Geometry Study"
(Advisor: Prof. Bogdan M. Vernescu)

MECHANICAL ENGINEERING:
Joel D. Adams '96, Paul E. Hammerstrom '96, Christoph Hyder '95, Daniel J. Jazdzky '96, W. Patrick Kelly '96, Michael A. Rufo '96: "Formula SAE Race Car"
(Advisors: Profs. Hartley T. Grandin, Scott M. Miller, Joseph J. Rencis)

Joshua R. Binder '96, Michael J. Walker '96: "Design of a Retail Paint Shaker"

Justin P. Cutroni '96, Corinne K. Kachler '96: "Subkilowatt Electrothermal Plasma Source Development"
(Advisor: Prof. Hamid Johari)

Stacy L. Faught '96: "Analysis of Calcium-45 Bremsstrahlung"
(Advisors: Profs. Leo M. Bobek, Christopher Reinhardt, UMass Medical Center)

PHYSICS:
Richard R. Santora '96, Kyle E. Lantz '97: "Emergency Medical Ventilator"
(Advisor: Prof. Van Bluemel)

The Provost's MQP Awards recognize students who have completed outstanding Major Qualifying Projects as a demonstration of their competency in their chosen academic discipline. Each academic department holds its own competition to select the winners.
Wilmer L. and Margaret M. Kranich Prize
Noah L. Weisleder '96
This award was established in 1994 by Margaret Kranich to honor WPI students majoring in engineering or science who best exemplify excellence in the humanities and arts and the full integration of these disciplines into their undergraduate experience. Wilmer Kranich was dean of graduate studies at WPI. Margaret Kranich taught a variety of courses at WPI over the years and, as an artist, painted portraits of four WPI presidents and of Robert H. Goddard '08, all of which hang in Gordon Library.

Outstanding Teaching Assistant of the Year
Naod Kebede, Chemistry and Biochemistry

United Technologies Corporation Minority Award
Francesca V. Escoto '97
This award is presented to an outstanding minority undergraduate student.

SPECIAL ACADEMIC AWARDS

BIOLOGY AND BIOTECHNOLOGY:
James F. Danielli Award
Tara C. Smith '94; '95 M.S.
This award, named for James F. Danielli, former head of the Department of Biology and Biotechnology, is given each year in recognition of outstanding accomplishment in research. Research excellence was the hallmark of Danielli, who proposed a model for the cellular membrane that has stood the test of time, with modifications, for more than 30 years. A fellow of the Royal Society, Danielli constantly stressed the importance of research to good teaching and provided a force necessary for the development of his department into a major center for scholarship at WPI.

CHEMICAL ENGINEERING:
AIChE Scholastic Achievement Award
Gregory T. Krueger '97
American Institute of Chemists Award
Shawn P. Brennan '96
Given by the New England chapter of the American Institute of Chemists, this award recognizes an outstanding senior in the Chemical Engineering Department.

Boston Section AIChE Outstanding Student Award
Michelle A. Hebert '96

CHEMISTRY AND BIOCHEMISTRY:
American Institute of Chemists Award
Richard W. Heidebrecht '96
Given by the New England chapter of the American Institute of Chemists, this award recognizes an outstanding senior in the Chemistry Department.

General Chemistry Achievement Award
Michael R. Michaud '99
This award is given to a student who has completed the freshman chemistry course with superior academic performance.

CIVIL AND ENVIRONMENTAL ENGINEERING:
Andrew Holt Memorial Award
Thomas E. Izbicki '96
This $100 award is presented to one or more civil engineering seniors who have consistently earned academic honors and who show excellent promise for success.

Carl F. Meyer Improvement Award in Civil Engineering
Paul R. Cabral '96
Established by Professor Emeritus Meyer, this award of $200 and an engineering reference book of the recipient's choice is presented to one or more civil engineering seniors who have demonstrated the most improvement in academic and professional attitude since entering the department.

COMPUTER SCIENCE:
Computer Science Outstanding Senior Award
Thomas G. Seidenberg '96
This $100 award is presented to a computer science senior who has an outstanding academic record and who has contributed to the enrichment and professional development of fellow students.

Jon Calvert Strauss Award for Excellence in Computer Science
Jesse D. Zbikowski '97
This $100 award is presented to one or more computer science juniors who have excellent academic records and who show promise for continuing success.

Dr. Neil G. Sullivan '83 Memorial Scholarship
Christopher J. Brennan '97
This scholarship was established in 1991 by members of the Sullivan family in memory of their son and brother, who was killed in an automobile accident that year. It is awarded annually to a student majoring in computer science in recognition of demonstrated ability and promise. The award is made at the end of the junior year for application during the senior year.
ELECTRICAL AND COMPUTER ENGINEERING:
Electrical and Computer Engineering Alumni Major Qualifying Project Awards
William P. Cidela '96, Christopher A. Mangiarelli '96, Michael D. Roberts '96: “GPS Remote Hazard Detection System”
(Advisor: Prof. Christof Paar)
Eta Kappa Nu Outstanding Electrical Engineering Teacher Award
Reinhold Ludwig
Eta Kappa Nu Outstanding Electrical Engineering Teaching Assistant Award
Sophocles R. Metsis

FIRE PROTECTION ENGINEERING:
Percy Bugbee Award
Robert C. Till (M.S. candidate)

HUMANITIES AND ARTS:
Class of 1879 Prize for Outstanding Projects in the Humanities
John D. Kedziora '96, Patricia L. Panlilio '96, Nancy L. Round '97
This award is given to students for excellent work in their Sufficiency projects, which demonstrate exceptional creativity and skill in conceiving, developing and expressing a theme within any discipline in the humanities and arts.

Steven J. Kahn Award
Ryan T. Stapleton '96
This award is presented to the outstanding senior in the WPI Glee Club in recognition of his contributions, commitment and unwavering loyalty to the organization.

MANAGEMENT:
Management Excellence Award
Kerem Kucukaslan '96
This award is given to one or more seniors who have demonstrated ability in courses and projects and who exhibit outstanding promise of future success in the field of management engineering.

Wall Street Journal Award
James P. Naughton '96
THE WALL STREET JOURNAL presents this award to a senior with an outstanding record of achievement.

MANUFACTURING ENGINEERING:
Society of Manufacturing Engineers Award
(Advisor: Prof. Richard D. Sisson Jr.)
Society of Manufacturing Engineers SME Scholars Award
James P. Aduskevich '96, Chi-Man Lock '98, Alyson B. Sherman '97

Worcester Chapter of American Society for Metals: Chester M. Inman '14 Outstanding Student Award
Jarrod B. Rossacci '96
This $200 award is presented to one or more outstanding seniors in materials science and engineering.

MATHEMATICAL SCIENCES:
Richard V. Olson Award
Xiao-Long Yu '98
Established to honor the memory of Professor Olson, this award to a sophomore recognizes outstanding performances in basic mathematics courses.

Senior Mathematical Sciences Major Award
Aron C. Atkins '96, Jeffrey F. Perlak '96
This award is presented to the senior mathematical sciences major who has shown outstanding performance and who has made valuable contributions to the WPI mathematical community.

MECHANICAL ENGINEERING:
Institute of Nuclear Power Operations Scholarship
Robert A. Borrelli '96, Christopher D. Patterson '96
Edward C. Perry Award
John M. Campetti '96, Andrew F. David '96, Ian W. Quinn '96: “Redesign of a Jounce Bumper Durability Test Stand”
(Advisors: Prof. Holly K. Ault, Robert L. Norton)
This award is given annually to one or more engineering students for an outstanding project in the area of mechanical design. The award is made possible through a bequest from Miriam Perry Goll and honors the memory of her father, Edward C. Perry '04, a design engineer with General Electric Company throughout his professional career.
PHYSICS:
Robert H. Goddard Award
Daniel Corriveau '96
Established by the Classes of 1908 and 1909 as a memorial to Dr. Goddard, this prize is awarded for outstanding achievement, scholarship, consistent effort and dedication of purpose in both theoretical and experimental areas of physics.

Willard Elliot Lawton/Samuel James Plimpton Award
Alex Cardenas '96, Douglas S. Kieweg '96
Established in honor of Professors Lawton and Plimpton, this award is presented to a student or students who has shown improvement in scholarship, not only in grades, but also in depth of understanding.

OUTSTANDING WOMEN STUDENT AWARDS

Marietta E. Anderson Award
Que N. Nguyen '97
Established by Arvid E. Anderson '20 in memory of his wife, Marietta E. Anderson, this award is presented to the outstanding freshman, sophomore or junior woman student who not only has a superior academic record, but has also been a work-study student, a volunteer for college-sponsored activities, and a participant in recognized extracurricular activities.

Bonnie-Blanche Schoonover Award (honoring WPI's former librarian)
Heather M. St. Martin '97

Ellen Knott Award (honoring a longtime secretary in the Mechanical Engineering Department)
Denice M. Godfrey '98, Chi-Man Lock '98

Gertrude R. Rugg Award (honoring WPI's late registrar)
Laurea M. Diaz '99
THE THREE PRECEDING AWARDS, provided by funds from an anonymous donor, are given in tribute to women who have played significant roles at WPI. Based on academic excellence, contributions to the WPI community, and professional goals, these awards go to women students preparing for careers in engineering or science.

United Technologies Corporation and the Society of Women Engineers Award
Jennifer E. Yambert '97
This award is presented to an outstanding woman undergraduate student.

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CAMPUS LEADERSHIP HONORS AND AWARDS

Goat's Head Award for Outstanding Contribution to the Student Government Association
Marni B. Hall '96

OTHER AWARDS

Alpha Phi Omega Service to Students Award
Susan Vick, Professor of Drama/Theatre
This award is presented to a member of the faculty, staff or administration in recognition of outstanding service to the WPI student community.

Student-Alumni Interaction Award
Mark D. Suennen '96, Cynthia R. Fusco '96, Cynthia L. Mitchell '96
This award is presented by the WPI Alumni Association in recognition of individuals who, through their involvement on campus, have facilitated the continuing development of interaction between students and alumni. Recipients are full-time undergraduate students who have demonstrated extraordinary personal commitment to WPI and the Alumni Association, above and beyond the normal involvement on campus. They have stepped forward to become leaders in the alumni and student communities and in so doing have benefited both students and alumni in a unique and purposeful way.

Tau Beta Pi Academic Advising Award
Leonard D. Albano, Assistant Professor of Civil and Environmental Engineering
This award, established by the national engineering honor society, recognizes a member of the faculty, staff or administration who has served students as an outstanding academic advisor.