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# *Oakland University* *Commencement*

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*1984*

**Celebrating  
A Quarter Century  
of Access to Excellence**

**Oakland  
University**

A large, stylized, black graphic element that resembles a teardrop or a stylized 'O' with a tail, positioned behind the Oakland University text.





The motto, **Seguir Virtute E Canoskenza**, has a very distinguished origin, Canto XXVI, 1. 120, of Dante's *Inferno*. These are the final words of Ulysses' great speech to his men urging them to sail on and on in pursuit of knowledge and experience of the world—even beyond the pillars of Hercules, traditionally the frontier and limit of legitimate exploration.

**This is the three-line stanza:**

*Considerate la vostra semenza  
Fatti non foste a viver come bruti  
Ma per seguir virtute e canoskenza.*

*Consider your birth  
You were not made to live like brutes  
But to follow courage and knowledge.*

# SCHOOL OF ENGINEERING AND COMPUTER SCIENCE

1:30 p.m.

June 3, 1984

Varner Recital Hall  
Paula and Woody Varner Hall  
Oakland University  
Rochester, Michigan

MUSICAL ARTISTS

John E. Smith, *trumpet*  
Christine Baird, *organ*

PROCESSIONAL

Trumpet Voluntary ..... Jeremiah Clark

RECESSIONAL

Rondeau ..... Mouret

# PROGRAM

## PROCESSIONAL

Thomas G. Windeknecht, *Marshal*  
Donald R. Falkenburg, *Deputy Marshal*  
Glenn A. Jackson, *Deputy Marshal*

## WELCOME

Howard R. Witt, *Interim Dean*

## COMMENCEMENT ADDRESS

Lamont Eltinge, *Director of Research*  
Eaton Corporation

## PRESENTATION OF HONORS

## PRESENTATION OF SPECIAL AWARDS

## PRESENTATION OF CANDIDATES FOR THE PH.D. DEGREE

## PRESENTATION OF CANDIDATES FOR THE M.S. DEGREE

## PRESENTATION OF CANDIDATES FOR THE B.S. DEGREE

## SALUTATION

William Arthur Holdsworth, *Graduating Senior*

## ALUMNI WELCOME

Rosemary O'Toole  
*Engineering Alumni Association*

## VALEDICTION

Joseph E. Champagne, *President*

## RECESSIONAL

*The audience is requested to stand during the processional and recessional.*

## RECEPTION



# On Academic Regalia

An edifying note contributed by a certain anonymous doctor of philosophy

On at least two solemn occasions during the academic calendar—spring and fall commencement—the faculty of the university publicly displays its full academic regalia and participates in the liturgy of processional and recessional, that curious coming and going that symbolizes the ceremony of commencement. The purposes of commencement are well known, but the reasons for the peculiar garb of the celebrants and their odd order of march are often as obscure to the audience as they are, in fact, to the faculty itself. This note may serve to explain academic dress and the professional pecking order it costumes.

Contemporary academics are descendants of clerical schoolmen in the universities of medieval Europe. Like the clergy, members of the bench and bar, and other learned professions, the medieval scholar clothed himself in heavy robes to stay warm in unheated stone buildings. Like all members of an hierarchical society, the medieval faculties rejoiced in visible insignia of rank. These outward signs of accomplishment and authority were tailored into the robes. Although the need for such voluminous garments to keep the scholar from freezing is long past, the use of them as emblems of dignity remains.

You will observe that all caps and gowns worn by our faculty are black, with certain disturbing exceptions. Black was the color adopted by mutual agreement among American universities at the end of the nineteenth century. In Europe each university has its own distinctive gown, varying in color and cut from all others. A European academic assemblage is a far gaudier occasion than its counterpart in America. Recently, certain universities in this country rashly broke the agreement and authorized robes in their own colors: for example, the crimson of Harvard and the green of Dartmouth may be seen in our ranks. This unsuitable spontaneity has been frowned on by sister institutions, yet the mavericks not only persist in their madness, but gain adherents to their ranks with each passing year.

There are three basic academic degrees: the baccalaureate or bachelor's degree, the master's degree, and the doctorate. A special style of robe is prescribed for each. The bachelor's gown is sparsely cut, neat, but a bit skimpy and unadorned, as befits apprentices. The master's gown is still simple, but fuller, sports a sleeve of extraordinary design impossible to describe, and has a hood draped from the shoulders down the back. Once used to keep the frost from the tonsured heads of medieval clerks, the hood now is solely a badge of a degree of scholarly achievement. The master's

hood is small and narrow, but displays the colors of the institution that awarded the degree. If you knew the colors of American universities, you could easily identify whence came our masters. The doctoral robe is the most handsome of academic raiment. Generous of cut, of fine aristocratic stuff, it is faced with velvet and emblazoned with velvet chevrons on the ample sleeves. You will note that most of the velvet facings and chevrons are black, but that some are of other colors. According to personal taste, the doctor may display the color of his doctoral degree on his sleeves and facings: light blue for education, pink for music, apricot for nursing, orange for engineering, and many more. The royal blue of the Doctor of Philosophy (Ph.D.) is the most commonly seen in a liberal arts institution such as Oakland. The doctor's hood is the most elegant of all academic appurtenances. Large and graceful, it is lined in satin with the colors of the university that awarded the degree and is bordered with the color of the degree itself. Most academic costumes include the square cap called a mortarboard; the doctor's tassel may be either black or gold—tassels of all other degrees are black and stringy.

To instructed eyes, the order of march in the processional and recessional reveals the standing of individuals in the institution's formal hierarchy. In the processional the order of entrance into the hall is, quite fittingly, from most junior to most senior. The baccalaureate candidates enter first, followed successively by the masters and doctoral candidates with the whole separated from the faculty by a decent interval. In the faculty order, the instructors precede the assistant professors who in turn are followed by the associate professors. The august full professors bring up the rear. After a respectful distance come the deans who in turn are separated by a significant space from the awful majesty of the platform party, the president, the vice-president, and the members of the board of trustees. All remain standing until the board is seated. After the ceremony, the order of recessional is the reverse of the processional. The greatest dignitaries stream out of the hall first, with the artfully organized ranks of priority wallowing in their wake.

It is hoped that these notes may make more intelligible the spectacle you are witnessing today. A discerning intelligence may detect in it many clues to an understanding of the academic profession as it confronts the ambiguities of the future with ancient wisdom and dignified confidence.

# DEGREES AWARDED DECEMBER 1983

## MASTER OF SCIENCE

### COMPUTER AND INFORMATION SCIENCE

Mary Kathleen Bonutti

Patricia Mae Carper

Karen Duncanson

Denise M. Freiwald

Thomas James Goike

Joel P. Hoitenga

Karen Purcell Johnson

Diane Gail McGraw

Scott Douglas Vrooman

### ELECTRICAL AND COMPUTER ENGINEERING

Reno V. Ramsey

### MECHANICAL ENGINEERING

Richard Edward Meese

### SYSTEMS AND INDUSTRIAL ENGINEERING

Kathleen Eniko Simonyi

## BACHELOR OF SCIENCE

### COMPUTER AND INFORMATION SCIENCE

Bradley K. Abel

William R. Bernard

Mark H. Blair

Robert T. Crisan

James Robert Diefenbach

Albert Giannangeli

Timothy Allen Hudson

Paul John Kane

Kay Ellen Kutinsky

Wayne Norman Lampel

Matthew K. Lingle

Jeannette V. Machnis

Randall Walter McDonald

David James Mundy

Mark Richard Nowicki

John Charles Rowe

Fredric Bruce Thelander

## BACHELOR OF SCIENCE IN ENGINEERING

### COMPUTER ENGINEERING

Robert J. Brys

Afshin Meshkinnafe

Michael Ashton Primrose

### COMPUTER AND ELECTRICAL ENGINEERING

Peter Rudolf Keller

Steven Michael Wolfe

### ELECTRICAL ENGINEERING

Diane Marie Bick

Karin Lynn Herbart

Daniel J. Irvin

Gordon Frank Mapes

Phyllis Leigh McIntosh

John M. Miller

Rodney R. Rozman

Steven Edward Townsend

Veronika Yakhkind

Rolland Jeffrey Zobel



## **MECHANICAL ENGINEERING**

Farshid Ahmady-Izady  
James K. Bougatsos  
Brad B. Boyle  
Gary Andrew Bruck  
William Kevin Chase  
Kathleen Lee Conroy  
Craig Edward Goniwiecha  
Thomas D. Haiderer  
David James Kappaz

Mojtaba Khorsandi-Amoli  
Robert Stephen Leko  
John Daniel McClary  
Russell John Ruedisueli  
Thomas Walter Schumacher  
Robert Eugene Senger, Jr.  
David George Thompson, Jr.  
David J. Wyatt  
Gregory P. Zeug

# **CANDIDATES FOR DEGREES APRIL 1984**

## **DOCTOR OF PHILOSOPHY**

### **SYSTEMS ENGINEERING**

Richard R. Lundstrom, B.S. (M.E.) University of Illinois, M.S.E. University of Michigan.

Dissertation: Traffic Kinetics Incorporating A New Passing PDF and Quantitative Prediction of Traffic Pressure.

Li Wang, B.S. Hsing-Hua University, M.S. Oakland University.

Dissertation: Three-Dimensional Pattern Recognition Using Projected Grating Moire—A Simple Visual System for Robots.

Zhong X. Zhou, B.S. Tsing-Hua University, M.S. Tsing-Hua University.

Dissertation: The Z-Domain Complex Symbolic Method—A Simplified Analysis and Design Technique For Switched-Capacitor Networks.

## **MASTER OF SCIENCE**

### **COMPUTER AND INFORMATION SCIENCE**

James E. Banaszek  
Mary Lou DeLauney  
David Douglas Drake  
John Duncan  
Daniel Patrick Gell  
Nan May Lee

Denise Marie Parrish  
Martha Newkirk Rudkin  
Chanda Ashok Sapre  
Laurie Tyslan Schumer  
William Daniel Wachob

### **ELECTRICAL AND COMPUTER ENGINEERING**

Dilip Chatwani  
Zi-jin Chow  
Chiau-chieh Ong

Meera Naresh Raja  
Tzue-Lin Weng

## **MECHANICAL ENGINEERING**

Louis McDonald Glasgow

## **SYSTEMS ENGINEERING**

Rajender Reddy Manthani

## **BACHELOR OF SCIENCE**

### **COMPUTER AND INFORMATION SCIENCE**

Marianne Adams  
Yvette Louise Anklam  
Jill Andrea Bonus  
Jean Chagnon-Royce  
John Vincent Felice  
Paul Allen Gamner  
Karen Mary Graziano  
Laura Anne Ilg  
David Steven Jordan  
Lori Rose LaVanway  
Kathy Yan-Hwa Lee  
Thomas William Lewin

Robert Frederick Lieb  
Randolph Kirk Morgan  
Laurie Ann Perry  
Sharon Marie Staniszewski  
Patricia Ann Stusek  
Roger Burrell Thomas  
Thaddeus Daniel Tondera  
Lisa Louise Vikstrom  
Helen Marie Vittengl  
Mark Allen Webb  
Susan Marie Weiss  
Donald Theodore Wenzel

## **BACHELOR OF SCIENCE IN ENGINEERING**

### **COMPUTER ENGINEERING**

Adam Charles Baranowski  
Phillip Gordon Bray  
Nick Anthony Cicone  
James Henry Mulders  
Thomas Albert Nordberg  
Michael Gerard Putz

Michael Edward Range  
Yock King Teoh  
Mildred Van Meter  
William Daniel Wigger  
Albert K. Win

### **COMPUTER AND ELECTRICAL ENGINEERING**

Jeffrey Wayne Haskell

### **ELECTRICAL ENGINEERING**

John Bengt Abrahamsson  
Gerald Wayne Arlow  
Raymond J. David  
David Dow  
Linda Maureen Engebrecht  
Terry G. Evans  
Mark James Harris  
Carrie Danine Jank  
Dean Neil Jones

Brian Thomas Kocks  
Mark Andrew Krumpoch  
Michael Charles Long  
William Hubert Mattingly II  
Gary Lee Miller  
Ronald William Siebensschuh  
Kenneth Charles VanOrden  
Paul Joseph Weaver  
Ronald C. Webber

### **MECHANICAL ENGINEERING**

Robert Lee Becker  
David Jordan Benedict  
Alireza Emami-Namini  
Douglas Joseph Fiorani  
Troy David Haddad  
Mark Allen Halseth  
Donald Gerard Hillebrand  
Gerald M. Karl

Pamela Marie Koczkodan  
Steven Kokal  
Audrey Jeanette Kortas  
Abdi Razi Lawassani  
Kimberly Ann Mabery  
Martha Ann Nelan Mashinter  
Carrie Lillian Miller  
Bonnie Lee Motl

Evangelos Spiridon Papoulis  
Stephen Curtis Parman  
Christopher J. Presti  
Joseph Michael Ridley

Cheryl L. Signorino  
Kyle Theodore Spann  
Jonathon Joseph Sudo  
Matthew Ward Witte

## MECHANICAL AND SYSTEMS ENGINEERING

Rita Mittra

## SYSTEMS ENGINEERING

William Arthur Holdsworth  
Stephen Leslie Hyde  
Zade Marzouk Karadsheh

Diane Marie Murphy  
Michael Paul Turski

## HONORS COLLEGE

The Honors College has been established for highly motivated students to provide an unusually challenging general education along with additional requirements to augment the elected major.

### SCHOOL OF ENGINEERING AND COMPUTER SCIENCE HONORS COLLEGE CANDIDATES, APRIL 1984

Jean L. Chagnon-Royce  
Karen Mary Graziano  
Lori Rose LaVanway  
Matthew Ward Witte

## About Honors and Awards

On the occasion of commencement, the university offers special recognition to those students who have attained outstanding levels of academic achievement and service.

Students who have demonstrated superior performance in the courses of their major subject area are designated to graduate with School Honors. The faculty of the School of Engineering and Computer Science has elected several graduating seniors to receive School Honors in engineering or in computer science.

The Faculty Senate of Oakland University has established three levels of special distinction to recognize sustained superior academic performance in all subject areas. Students who have completed at least 62 credits of study at Oakland University and whose cumulative grade-point average ranges between 3.60 and 3.74 graduate *cum laude*. A student who has earned a grade-point average between 3.75 and 3.89 graduates *magna cum laude*. Students attaining the highest academic level, grade-point averages of 3.90 and above, graduate *summa cum laude*.

Additionally, the faculty of the School of Engineering and Computer Science has



created several special awards to honor graduating seniors who have distinguished themselves by truly outstanding scholarship in engineering studies, by outstanding technical development toward the engineering profession and by exemplary service to the School of Engineering and Computer Science. These special awards are marked by the presentation of certificates and prizes to the recipients and also by the engraving of the recipients' names on permanent commemorative plaques in Dodge Hall of Engineering.

The faculty extends most hearty congratulations to all of the students receiving honors and awards at this commencement exercise.

## HONORS AWARDED DECEMBER 1983

### UNIVERSITY HONORS

*Cum laude*

Mark H. Blair

### SCHOOL HONORS

#### COMPUTER AND INFORMATION SCIENCE

Mark H. Blair

David James Mundy

Timothy Allen Hudson

#### ELECTRICAL ENGINEERING

Phyllis Leigh McIntosh

#### MECHANICAL ENGINEERING

Gregory P. Zeug

## HONORS AWARDED APRIL 1984

### UNIVERSITY HONORS

#### MAGNA CUM LAUDE

Phillip Gordon Bray

Lori Rose LaVanway

Thomas William Lewin

William Daniel Wigger

## CUM LAUDE

Karen Mary Graziano  
Stephen Leslie Hyde  
Michael Charles Long  
William Hubert Mattingly II

Laurie Ann Perry  
Patricia Ann Stusek  
Michael Paul Turski

## SCHOOL HONORS

### COMPUTER ENGINEERING

Phillip Gordon Bray  
Michael Gerard Putz

William Daniel Wigger

### COMPUTER AND INFORMATION SCIENCE

Jill Andrea Bonus  
Jean L. Chagnon-Royce  
Karen Mary Graziano  
Laura Anne Ilg  
Lori Rose LaVanway  
Thomas William Lewin

Laurie Ann Perry  
Patricia Ann Stusek  
Roger Durrell Thomas  
Lisa Louise Vikstrom  
Mark Allen Webb

### ELECTRICAL ENGINEERING

Raymond J. David  
Mark Andrew Krumpoch  
Michael Charles Long

William Hubert Mattingly II  
Paul Joseph Weaver

### ELECTRICAL AND COMPUTER ENGINEERING

Jeffrey Wayne Haskell

### SYSTEMS ENGINEERING

Stephen Leslie Hyde

Michael Paul Turski

## SPECIAL AWARDS

### AWARD FOR EXCEPTIONAL ACHIEVEMENT

Laurie Ann Perry

### AWARD FOR ACADEMIC ACHIEVMENT

Charles E. Pope

### AWARD FOR PROFESSIONAL DEVELOPMENT

William Daniel Wigger

### AWARD FOR SERVICE

Michael Paul Turski

# BOARD OF VISITORS OF THE SCHOOL OF ENGINEERING AND COMPUTER SCIENCE

Betsy Ancker-Johnson .....	General Motors Corporation
Rupert Atkin .....	Automotive Worldwide
Lamont Eltinge .....	Eaton Corporation
Robert A. Frosch .....	General Motors Corporation
S.D. Jeffe .....	Sheller-Globe Corporation
Robert R. Johnson .....	Energy Conversion Devices
C.R. Lindell .....	Lamb Technicon Corporation
Joseph Malus .....	Rockwell International
H.L. Misch .....	Ford Motor Company
E.N. Petrick .....	General Dynamics Corporation
William R. Rodger .....	(Retired Rockwell International)
George H. Siegel .....	The Bendix Corporation
C.B. Sung .....	E-S Pacific Corporation
John W. Weil .....	The Bendix Corporation
Jamison Williams .....	R.J. Williams Company
John D. Withrow .....	Chrysler Corporation



## OAKLAND UNIVERSITY BOARD OF TRUSTEES

Oakland University is a legally autonomous state institution of higher learning. Legislation creating Oakland University as an independent institution, separate from Michigan State University, was established under Act No. 35, Public Acts of 1970. The university is governed by an eight-member board of trustees appointed by the governor with the advice and consent of the state senate. The president of the university is appointed by the board of trustees and is an ex officio member without vote. The board also appoints a secretary and treasurer.

Ken Morris, Chairperson  
Alex C. Mair, Vice Chairperson  
David Handleman  
Patricia B. Hartmann  
Richard H. Headlee  
Wallace D. Riley  
Arthur Saltzman  
Howard F. Sims

Joseph E. Champagne, President  
John H. De Carlo, Secretary  
Robert J. McGarry, Treasurer



