
Oakland University
Commencement

1987



The motto **Seguir Virtute E Canoscenza**, 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 canoscenza*

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

SCHOOL OF ENGINEERING AND COMPUTER SCIENCE

5 p.m.
June 7, 1987

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

MUSICAL ARTISTS

John E. Smith, *trumpet*
Andrea Moon, *organ*

PROCESSIONAL

Trumpet Voluntary Jeremiah Clark

RECESSIONAL

Rondeau Mouret

PROGRAM

PROCESSIONAL

Richard E. Haskell, *Marshal*
David E. Boddy, *Deputy Marshal*
Glenn A. Jackson, *Deputy Marshal*

WELCOME

Robert M. Desmond, *Dean*
School of Engineering and Computer Science

COMMENCEMENT ADDRESS

Dr. Philip D. Vrzal, *Chairman and Chief Executive Officer*
GKN Automotive Components

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.E. AND B.S.
DEGREES

SALUTATION

Bruce S. Wilber
Graduating Senior

ALUMNI WELCOME

Kathleen E. Simonyi
School of Engineering and Computer Science Alumni Affiliate

VALEDICTION

Keith R. Kleckner, *Senior Vice President*
for University Affairs and Provost

RECESSIONAL

*The audience is requested to stand and remain standing
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 of its 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 a 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 19th 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 liberal arts institutions 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 1986

DOCTOR OF PHILOSOPHY

Sai-Kai Cheng, B.E. Electrical Engineering, University of Malaya; M.S. Electrical and Computer Engineering, Oakland University
Dissertation: "Two Dimensional System Theory With Applications"

Douglas W. Templeton, B.S. Engineering, Oakland University; M.S. Mechanical Engineering, Oakland University
Dissertation: "Development of Fringe Carrier Techniques for Unambiguous Fringe Order Determination and Computerization Shearographic Data Acquisition, Reduction, and Display"

MASTER OF SCIENCE

COMPUTER AND INFORMATION SCIENCE

William Curtis Haga	Thomas Leonard Schnesk
James Henry Mulders	Carol Sutherland
Rosemary Ann Nickerson	Fei Hsu Wung
James Allen Schmeltzer	

ELECTRICAL AND COMPUTER ENGINEERING

Detlef G. S. Gersdorff	Diane C. Ross
Afshin Meshkinnafas	

MECHANICAL ENGINEERING

Richard Brian Perry

SYSTEMS AND INDUSTRIAL ENGINEERING

Peter Michael Grinsell	Craig Haskin Pollak
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BACHELOR OF SCIENCE

COMPUTER AND INFORMATION SCIENCE

Mary Ann Anderson	Amal Elaine Khadra
Matthew Harlan Berman	Jennifer Ann Klein
Robert Michael Cherluck	William F. Larson
Jeffrey Michael Christofis	Rose Anne Lucaora
Randall Allan Fullmer	James Donald Metz
Donald K. Grimm	David James Opron
Kris T. Jaworski	Bob VanLangenhoven
Amy J. Julin	Wendy S. Westbrook

BACHELOR OF SCIENCE IN ENGINEERING

COMPUTER ENGINEERING

Brent Dale Hooker	Hugh Scott O'Brien
Lisa Jo Jordan	Thomas Mathew Zuziak
Charles S. Kawka	

COMPUTER AND ELECTRICAL ENGINEERING

Philip Anthony Franzone	Deborah Irene Stirrett
Gregory Marchenia	

ELECTRICAL ENGINEERING

Steven C. Akin	Terence L. Meehan
Paul L. Barnhardt	Daniel Mittelbrun
Matthew Emery Barwick	Monica Rae Nelson
Stephen Arnold Button	Matt A. Niesluchowski
Brian Michael Cunningham	Linda Denise Pitlock
Jeannine Clarissa Eddy	John Francis Prunte
Rick Michael Gentner	Tod J. Rawling
Donald James Hill	Paul Simmons
Carl E. Kona	Jeffrey Alan Staggs
Jena Marie Lemcool	William Somers Vincent
Ghassan Hanna Mattia	

MECHANICAL ENGINEERING

John Glen Arnold	Martin G. Hagen
Susan Ellen Blackson	Rosemary Kern Hamill
Mark Alan Farquhar	Michael E. Karl
Christopher Allen Fenton	Dean Raymond Kwapis
Alexander Filanovsky	Scott Douglas Light
Francis Michael Fiore	Timothy J. McIntee
John Lawrence Goers	Mark Anthony Mikolaiczik

SYSTEMS ENGINEERING

Robert Wayne Hagerman	Kris A. Nietubyc
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CANDIDATES FOR DEGREES

APRIL 1987

DOCTOR OF PHILOSOPHY

SYSTEMS ENGINEERING

Bruce E. Stuckman, B.S. Engineering, Oakland University; M.S. Electrical and Computer Engineering, Oakland University
Dissertation: "A Global Search Method for Optimizing Non-Linear Systems"

MASTER OF SCIENCE

COMPUTER AND INFORMATION SCIENCE

Nancy Helene Birch	David Yuandai Qin
Dean Jeffrey Burchill	Fahed Abdulla Saif
Chester Michael Elias	Carey Yui-Lan Shih
David Robert Long	James B. Stanley
James M. Lyles	David Allan Wetter
Barbara A. MacNeil	Robert Zong-Jian Wu

ELECTRICAL AND COMPUTER ENGINEERING

Anwar M. Bawadekji	David Tyrrell Nowlen
Ian Wilson Callum	Catherine Lena Oddo
Michael Alan Dahl	Richard E. Robinette
Suzanne Marie Iott	Larry Waldon Sieh
Marc Perry Leopold	

MECHANICAL ENGINEERING

James Edward Affholter, Jr.	Forest Harmon Nine
Benjamin Khlare DeRocher	Paul Louis Rossi
William David Myers	Gregory P. Zeug

SYSTEMS AND INDUSTRIAL ENGINEERING

James A. Aardema	William A. Jenkins
Michael Howard Daien	Warren Allen Klope
Michael Paul Friedrich	Brian Jude Krinock
Andrew Stephen Hulway	Martin Joseph Suchoski

BACHELOR OF SCIENCE

COMPUTER AND INFORMATION SCIENCE

Joyce Nabeel Ajlouny	Joseph Michael Maywood
Susan Marie Biallas	Mark Edwin McKay
Chad Dokmanovich	Stefania Meschini
James Timothy Elliott	Erik C. Miller
Gina Marie Exner	Ali Noui-Mehidi
Diane Lynn Gates	Ronald Alan Pingilley
Joan Marie Gauronskas	Ramona R. Rogala
Douglas James Gersky	Sandra Marie Sedo
Susan Kay Hammond	Gary Dean Starr
David Allan Harcourt	David James Takai
James Fitzgerald Hynes	Janet Lynn Wetter
Chung-Ching Lee	

BACHELOR OF SCIENCE

College of Arts and Sciences
and School of Engineering and Computer Science

ENGINEERING CHEMISTRY

John W. Herrington	Laura Marie Lanni
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BACHELOR OF SCIENCE IN ENGINEERING

COMPUTER ENGINEERING

Hans Peter Adler
Stephen Paul Bower
John Michael Brabbs
Lucille Renee Kachman

Robert Hugh Lake
Kai Hermann Schuette
Bradley C. White

COMPUTER AND ELECTRICAL ENGINEERING

Michael Joseph Breen
Timothy A. Daro
Renee Patrice DeLauney
David Taylor Maples

John Willard Rees
Edwin Arthur Schoenberg
Kevin James White

ELECTRICAL ENGINEERING

Martin C. Berghaus
John Richard Blankenship
Mark Joseph Chernowsky
David S. Clark
James David Davis, Jr.
Robert Allan DeFour
Walter Joseph Fielek
Terrence James Fleckenstein
Gerald Joseph Grekowitz
Shawn Patrick Haley
LuAnne Marie Ikeda
Clifford Dennis Jones
Branislav M. Kotur
Gilbert William Liller
Michael Patrick Liu
Scott Dean Manross

Mark Francis McCarty
Gregory Scott Mitchell
Kyle Eugene Morgensai
Thomas N. Mueller
Allen R. Murray
Kia Nasser
Gary M. Peteuil
Eugene Calvin Price
Lori C. Reinke
Joanne Marie Spiller
Gerald Mark Stahl
Thomas Richard Stuckman
Stephen M. Winkler
Paul Steven Zarins
Adam Henry Zysnarski

ELECTRICAL ENGINEERING AND SYSTEMS ENGINEERING

Michael Joseph Finta

MECHANICAL ENGINEERING

Cristina Josephine Antonioli
Walter John Budd
Kerry Lynn Craft
Jeffrey Craig Hendry
Michele Daun Klug
Jeanenne Marie Marhevko
Thomas Dwight Mick
Steven Thomas Nissen
Michael Craig Ottenbacher
John Keith Paye
Garth Alan Peterson
Ronald Alan Razzano
John C. Remy

Eric Lawrence Richard
Gerard Louis Seidl
Cynthia Louise Sturza
Peter Oliver Timm
Richard Floyd Turner
Mark Joseph VanOphem
Craig Steven Verch
Philip Verdura
Michael S. Vikstrom
Bruce Scott Wilber
Craig T. Wojtalewicz
Scott D. Yaklin

SYSTEMS ENGINEERING

David Matthew Fabian

Gordon G. Parker

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 University Senate of Oakland University has established three levels of University Honors 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. 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 1986

UNIVERSITY HONORS

CUM LAUDE

Robert Michael Cherluck

DEPARTMENTAL HONORS

COMPUTER AND INFORMATION SCIENCE

Mary Ann Anderson
Robert Michael Cherluck
Amal Elaine Khadra

COMPUTER ENGINEERING

Brent Dale Hooker
Deborah Irene Stirrett

ELECTRICAL ENGINEERING

Jeannine Clarissa Eddy
Monica Rae Nelson
Jeffrey Alan Staggs

HONORS AWARDED APRIL 1987

UNIVERSITY HONORS

CUM LAUDE

Walter Joseph Fielek
Lucille Renee Kachman
Michael Patrick Liu
Ali Noui-Mehidi
John Willard Rees
Bruce Scott Wilber
Scott D. Yaklin
Adam Henry Zysnarski

DEPARTMENTAL HONORS

COMPUTER AND INFORMATION SCIENCE

Joseph Michael Maywood
Erik C. Miller
Ali Noui-Mehidi
Gary Dean Starr

COMPUTER ENGINEERING

Lucille Renee Kachman
John Willard Rees

ELECTRICAL ENGINEERING

Walter Joseph Fielek
LuAnne Marie Ikeda
Clifford Dennis Jones
Michael Patrick Liu
Kyle Eugene Morgensai
Thomas Richard Stuckman
Adam Henry Zysnarski

ENGINEERING CHEMISTRY

Laura Marie Lanni

MECHANICAL ENGINEERING

Ronald Alan Razzano
Bruce Scott Wilber
Scott D. Yaklin

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General Motors Corporation

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TRW, Inc.

Mr. Guy D. Barnicoat
Lectron Products, Inc.

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Whirlpool Corporation

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General Dynamics Corporation

Mr. William R. Rodger
Retired, Rockwell International

Dr. Lothar Rossol
GMF Robotics

Mr. John 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.

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Phyllis Law Googasian
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Stephan Sharf
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