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December 7, 2015

UNIVERSITY OF ILLINOIS
URBANA-CHAMPAIGN SENATE

Committee on Honorary Degrees
(Final; Action)

HD.16.01 Nominations for Honorary Degrees

The Senate Committee on Honorary Degrees is pleased to nominate the following individuals for an honorary degree to be conferred at the May 2016 Commencement exercises:

- Ronald J. Adrian
- Ang Lee
- Jagdish Sheth
- Edward C. Taylor

Information relative to the background and achievements of these nominees is attached. Based on the criteria approved by the Senate, the Committee has selected these individuals for Senate consideration.

The Committee wishes to express its sincere appreciation to all who participated in the process, particularly those who spent considerable amounts of time and effort in preparing documentation for these nominees.

COMMITTEE ON HONORARY DEGREES
Stephen Cartwright, Chair
Elvira Demejia
Pradeep Dhillon
Alec Helm
Harry Hilton
Matthew Wheeler
Conrad Wojtan

Ronald J. Adrian
Ira A. Fulton Professor of Mechanical and Aerospace Engineering, Arizona State University

EDUCATION:

B.M.E., Mechanical Engineering, University of Minnesota, 1967
M.S., Mechanical Engineering, University of Minnesota, 1969
Ph.D., Physics, Cavendish Laboratory, University of Cambridge, 1972

Nominated by: Arne J. Pearlstein, Professor, Department of Mechanical and Science Engineering, University of Illinois at Urbana-Champaign
Taher Saif, Edward William and Jane Marr Gutgsell Professor, Department of Mechanical and Science Engineering, University of Illinois at Urbana-Champaign
Petros Sofronis, James W. Bayne Professor, Department of Mechanical and Science Engineering, University of Illinois at Urbana-Champaign
Alexander F. Vakakis, Grayce Wicall Gauthier Professor, Department of Mechanical and Science Engineering, University of Illinois at Urbana-Champaign
S. Pratap Vanka, Professor Emeritus, Department of Mechanical and Science Engineering, University of Illinois at Urbana-Champaign

BASIS FOR NOMINATION:

Professor Adrian, who was a faculty member in the UIUC Department of Theoretical and Applied Mechanics from 1972 until 2004, is arguably the most important experimental fluid mechanician of the last fifty years. Besides his seminal contributions to fundamental fluid mechanics, he is the developer of particle image velocimetry (including the concept, the hardware, the methodology, and the software analysis approach), an experimental technique that has revolutionized fluid mechanics, and has proved critical in a number of important applications, ranging from blood flow to aerodynamics to the estimation of the flow rate in the Deepwater Horizon blowout. His work has been widely recognized with a number of important awards, and he was elected to the US National Academy of Engineering (NAE) in 1996.

EXCERPT FROM THE NOMINATION LETTER:

"Ron Adrian was instrumental in building fluid mechanics during his 32 years at UIUC. When he came here in 1972, fluid mechanics research was concentrated in experimental two-phase and compressible flow, with little or no activity in turbulence, transition, stability, or any theoretical aspect of the subject. Over the course of Ron's career at Illinois, that changed, with the emergence of a large, strong, and diverse effort in the area. Ron collaborated with people in a number of departments, internal and external to the College of Engineering, as is easily seen by examining the names of the co-authors of his publications. He was (and still is) always available to give advice, and on more than one occasion undertook thankless assignments on behalf of the College. He played a major role in mentoring and developing the professional careers of a number of junior faculty in TAM, as well as in other departments."

HONORS/AWARDS (NOT INCLUSIVE):

1996 U.S. National Academy of Engineering
1997 Leonard C. and Mary Lou Hoeft Endowed Chair of Engineering, UIUC
2001 Fellow of American Academy of Mechanics
2002 Fellow of American Society of Mechanical Engineers
2005 American Physical Society Fluid Dynamics Prize
2007 Fellow, American Institute of Aeronautics and Astronautic
2009 American Society of Mechanical Engineers Fluids Engineering Award

EXCERPTS FROM THE LETTERS OF RECOMMENDATION:

Alexander J. Smits, Eugene Higgins Professor and Department Chair, Department of Mechanical and Aerospace Engineering, Princeton University

"Ron Adrian is a superb candidate for this honor. He has made major contributions to the study of turbulent flows through his groundbreaking experiments, by his development of new instrumentation for studies of turbulence, and through his important professional contributions to the broad fluid mechanics community. He has also educated and trained numerous students and research associates, and worked with a large number of other experts in these fields. There is no doubt that he is one of the most outstanding researchers in fluid dynamics in the world, and his work has had enormous impact. It would be difficult to imagine publishing a paper in turbulence that does not mention either his contributions to the improved understanding of turbulence, or his contributions to expand our ability to measure turbulence. He is a giant in the field, and commands universal respect."

Andreas Acrivos, Albert Einstein Professor of Science and Engineering, Emeritus, The City College of the City University of New York

"Ron has already received numerous Awards and other forms of recognition, of which the *Fluid Dynamics Prize* and the *Fluid Dynamics Award* from the American Physical Society and from the American Institute of Aeronautics and Astronautics, respectively, deserve special mention. In addition though, had the Nobel Prize included one for fluid mechanics, I am convinced that Ron would have clearly been one of the very top contenders because his development of PIV truly represents a Nobel Prize type achievement."

Walter Schowalter, Class of 1950 Professor in Engineering and Applied Science Emeritus, Princeton University

"One of Adrian's early papers on the subject (#109 in his list of publications) ranks second among the most-cited papers in Experiments in Fluids (25, 316 (1998)), a journal which, under Ron's guidance as editor, became the primary outlet for research in that subject. His development and refinement of PIV have continued, and today Adrian's name is synonymous with this game-changing advance in experimental fluid mechanics."

Ang Lee
Film Director

EDUCATION:

B.F.A., Theater, University of Illinois, 1980
M.F.A., Film Production, New York University, 1984

Nominated by: Robert Graves, Emeritus Dean and Professor, College of Fine and Applied Arts
Jeffrey Eric Jenkins, Professor and Head, Department of Theatre

BASIS FOR NOMINATION:

Ang Lee is widely regarded as one of the most innovative film directors in the world today, acclaimed for a body of work unusual in its range and depth. A native of Taiwan and trained in the United States with a Bachelor of Fine Arts from the University of Illinois at Urbana-Champaign, Lee is seen as heralding a new form of "global cinema," blending western and eastern cinematic and cultural traditions. He is an independent film maker who manages to garner both high-brow critical admiration and popular appeal. His films have won dozens of prestigious awards. In recent years, major critical assessments of his career and nterviews have appeared in such periodicals as the *New York Times*, *Newsweek*, *Time*, *Statesman*, *New Republic*, *Sight and Sound*, *Film Comment*, and *Manchester Guardian*. Above all, he is noted for his transformations of traditional film genres and for his sensitive portrayals of humans in richly complex situations.

HONORS/AWARDS (NOT INCLUSIVE):

1993 Berlin International Film Festival – Golden Berlin Bear (The Wedding Banquet)
1995 NBR Award – Best Director (Sense and Sensibility)
1996 Berlin International Film Festival – Golden Berlin Bear (Sense and Sensibility)
British Academy Film Award for Best Film (Sense and Sensibility)
2000 Academy Award for Best Foreign Language Film (Crouching Tiger, Hidden Dragon)
2001 Golden Globe Award for Best Foreign Language Film (Crouching Tiger, Hidden Dragon)
Golden Globe Award for Best Director (Crouching Tiger, Hidden Dragon)
BFA David Lean Award for Direction (Crouching Tiger, Hidden Dragon)
Directors Guild of America Award – Motion Pictures (Crouching Tiger, Hidden Dragon)
Independent Spirit Award for Best Feature (Crouching Tiger, Hidden Dragon)
Independent Spirit Award for Best Director (Crouching Tiger, Hidden Dragon)
2005 Academy Award for Best Director (Brokeback Mountain)
Venice Film Festival – Golden Lion Award (Brokeback Mountain)
NBR Award – Best Director (Brokeback Mountain)
2006 Golden Globe Award for Best Director (Brokeback Mountain)
BFA David Lean Award for Direction (Brokeback Mountain)

Producers Guild of America Award – Motion Pictures (Brokeback Mountain)
Critics' Choice Award for Best Director (Brokeback Mountain)
Directors Guild of America Award – Motion Pictures (Brokeback Mountain)
Independent Spirit Award for Best Director (Brokeback Mountain)

2007 Venice Film Festival – Golden Lion Award (Lust, Caution)

2012 Academy Award for Best Director (Life of Pi)

EXCERPTS FROM THE LETTERS OF RECOMMENDATION:

Jerome Silbergeld, P.Y and Kinmay W. Tang Professor of Chinese Art History, Director of Tang Center for East Asian Art, Princeton University

"Over the twenty-plus years that I have taught this subject, Ang Lee has come along, joined the small circle of leading Taiwan filmmakers (along with Hou Hsiao-hsien and Yang Dechang), then that of East Asian filmmakers, and finally become one of the finest international film artists. His so-called "Father Knows Best" trilogy (not his own name for *Pushing Hands*, *The Wedding Banquet*, and *Eat, Drink, Man, Woman*, of 1992, 1993, 1994) was a more-than auspicious beginning, with wit, wisdom, and flashes of real brilliance."

Christian Keathley, Chair, Film and Media Culture, Middlebury College

"For the past 20 years, Mr. Lee has been one of the most distinguished American-based filmmakers. His extraordinary work is consistently innovative, and the extraordinary variety of genres in which he has worked demonstrates a desire for constant exploration and challenge. Mr. Lee – a multiple-time Academy Award winner – is the model of a filmmaker who manages the challenging feat of producing films that are both commercially viable and artistically ambitious."

Barbara Schock, Chair, Graduate Film, Tisch School of the Arts, New York University

"The quality of Mr. Lee's work is nothing short of masterful. A prolific director of features since 1992, Mr. Lee imbues his work with a compassionate and humanistic touch that has opened the hearts of millions of viewers. His style is subtle, rich and sophisticated; always possessing an air of dignity and grace capable of elevating the human spirit."

Jagdish Sheth
Charles H. Kellstadt Professor of Marketing, Emory University

EDUCATION:

B.Com (Honors), University of Madras, 1960
M.B.A., University of Pittsburgh, 1962
Ph.D., University of Pittsburgh, 1966

Nominated by: Madhu Viswanathan, Diane and Steven N. Miller Endowed Professor, Department of Business Administration, University of Illinois at Urbana-Champaign

BASIS FOR NOMINATION:

Jagdish Sheth is a legendary scholar in marketing, one of the foremost management thinkers and consultants in the world, and a generous philanthropist for academic causes who has given back to his discipline of marketing and related areas of business, to the universities he has been affiliated with, and to society.

EXCERPT FROM THE NOMINATION LETTER:

"Dr. Jagdish Sheth has published more than 300 research papers and books covering areas of marketing, such as consumer behavior, multivariate methods, competitive strategy, relationship marketing and marketing for emerging markets. His classic book, *The Theory of Buyer Behavior* (1969), with John A. Howard revolutionized the field of Marketing and brought the area of Consumer Behavior to the forefront. His other scholarly books include *Marketing Theory: Evolution and Evaluation* (1988) and *Consumption Values and Market Choices* (1991)."

HONORS/AWARDS (NOT INCLUSIVE):

1992 Paul D. Converse Award, American Marketing Association
1995 Distinguished Fellow, Academy of Marketing Science
1997 Distinguished Fellow, International Engineering Consortium
2002 Outstanding Leadership Award, AMA Foundation
Distinguished Scholar Award, Marketing Management Association
2004 Charles Coolidge Parlin Award, American Marketing Association
Irwin/McGraw Hill Distinguished Marketing Educator, American Marketing Association
2011 Global Management Guru Award, BIMTECH, India
2014 William Wilkie Award, American Marketing Association

EXCERPTS FROM THE LETTERS OF RECOMMENDATION:

Richard J. Lutz, JCPenney Professor of Marketing, Department of Marketing, University of Florida

"Dr. Sheth is a noteworthy change agent. He is not only a highly respected educator who has served as president of scholarly societies, he has also founded two prominent research centers, the Center for Telecommunications Management at the University of Southern California, and the Center for Relationship Marketing at Emory University. Through his Foundation, Dr. Sheth has also spearheaded and encouraged attention to "bottom of the pyramid" issues by Marketing scholars. In addition, Dr. Sheth is quite literally the face of American academic Marketing worldwide. His recognition and admiration are legendary."

George Fisher, Senior Advisor, Kohlberg Kravis Robert & Co. L.P.

"Perhaps Jag's greatest strength comes from his marketing and strategic understanding which is sometimes arguable but always insightful. He never fails to make us think differently as well illustrated in two of his books: *The Rule of Three* and *The 4 A's of Marketing*, both written with R. Sisodia. In both these works he makes us think. Whether or not we spend our time looking for the exceptions which prove the rule we always think more critically about the subject and how it relates to our own corporate situation. The true learning is often on the fringe of the idea, but, for sure, Jag always makes us think."

Philip Kotler, S.C. Johnson & Son Distinguished Professor of International Marketing, Northwestern University

"Regarding his public service efforts, they have been outstanding. His foundation, the Sheth Foundation, has been a major contributor to marketing projects and causes. Jagdish has been a long time supporter of the American Marketing Association's annual Doctoral Program where each major business school sends its best Ph.D. student to the annual event for a week. In addition, he started the Legend Series of selecting top marketing scholars and choosing an editor in each case who invited critical comments on that scholar's intellectual output. Several Legend volumes have already been published."

Edward C. Taylor
A. Barton Hepburn Professor of Organic Chemistry
Emeritus and Senior Research Chemist, Princeton University

EDUCATION:

B.A., Cornell University, 1946
Ph.D., Cornell University, 1949

Nominated by: Scott E. Denmark, R.C. Fuson Professor of Chemistry. Department of Chemistry, University of Illinois at Urbana-Champaign

BASIS FOR NOMINATION:

For his seminal contributions to the fields of heterocyclic chemistry which opened up new avenues of investigation for the chemical synthesis and studies of the therapeutic potential of hundreds of new classes of organic compounds. His investigations of "anti-folates" led to the development of Alimta™, in collaboration with Eli Lilly, for the treatment of malignant pleural mesothelioma and non-small cell lung cancer. This was the first drug ever approved for the treatment of mesothelioma, a deadly cancer arising from asbestos exposure. Between 2008 and 2012, nearly 50,000 patients with malignant neoplasm of respiratory tract received treatments containing Alimta.

EXCERPT FROM THE NOMINATION LETTER:

"Professor Taylor is one of the foremost heterocyclic/medicinal chemists in the world. Through his achievements in chemical research, Taylor has demonstrated the power of imaginative planning in heterocyclic synthesis, and has educated scores of organic chemists in academia and industry through his well over 400 scientific publications and 74 edited or authored books. There is hardly a synthetic or medicinal chemist practicing today who has not benefited from Taylor's contributions to the concepts and methods of heterocycle synthesis."

HONORS/AWARDS (NOT INCLUSIVE):

1974 American Chemical Society Award for Creative Work in Synthetic Organic Chemistry
1993 Gowland Hopkins Medal
1994 Arthur C. Cope Scholar Award of the American Chemical Society
2004 Thomas Alva Edison Award for Invention
2006 Heroes of Chemistry Award
2009 New Jersey Inventors Hall of Fame
2010 American Chemical Society Alfred Burger Award in Medicinal Chemistry
2011 American Chemical Society Medicinal Chemistry Hall of Fame
2013 National Academy of Sciences Award for Chemistry in Service to Society

EXCERPTS FROM THE LETTERS OF RECOMMENDATION:

Stephen F. Martin, M. June and J. Virgil Waggoner Regents Chair in Chemistry, University of Texas at Austin

"Professor Taylor's devoted and dedicated search for anticancer agents as part of his research in heterocyclic chemistry, especially with a focus on analogs of folate cofactors involved in one-carbon transfer reactions, ultimately led to his exciting discovery of the novel and broadly effective anticancer drug Alimta. This remarkable compound has saved the lives of an untold number of cancer patients and is one of the most successful anticancer drugs on record."

Homer L. Pearce, Distinguished Research Fellow, Eli Lilly

"Recognition of Professor Taylor by the University is a fitting tribute as his work significantly advanced basic science and transformed the practice of clinical oncology by establishing new standards of care in the treatment of malignant pleural mesothelioma and non-small cell lung cancer. Tens of thousands of cancer patients have benefited from his discovery. Additionally, Professor Taylor demonstrated the tremendous potential for successful partnerships between industry and academia where a mutual passion for advancing science and serving patients can results in true innovation. … It should be noted that this remarkable contribution represents only a small fraction of his broader contribution to chemistry through his development of new synthetic methodology and the synthesis of heterocyclic compounds. Furthermore, Professor Taylor's depth of character distinguishes him in the first rank of gentlemen-scholars."