

The American Oil Chemists' Society

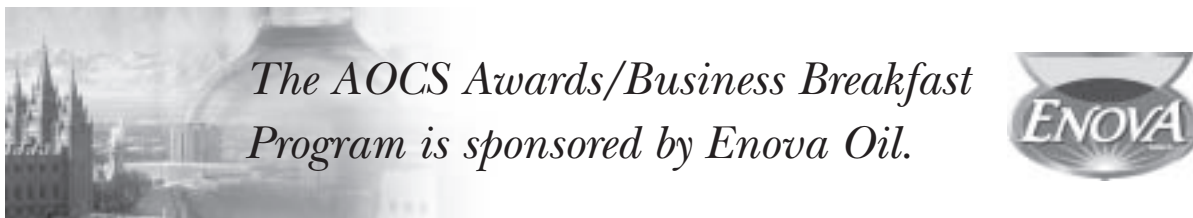
# 2005 Annual Meeting



**2** Salt **0** Lake **0** City **5**

## *Awards/Business Breakfast*

Salt Palace Convention Center, Salt Lake City, Utah, USA  
May 3, 2005



Outgoing Governing  
Board President,  
Lawrence Johnson



Incoming Governing  
Board President,  
Michael Haas

### AOCS 2004–2005 Governing Board

President: . . . . . Lawrence Johnson  
 Vice President: . . . . . Michael Haas  
 Secretary: . . . . . Casimir Akoh  
 Treasurer: . . . . . Steven Hill  
 Members-at-Large:  
 William Artz                      Kelley Fitzpatrick  
 Philip Bollheimer                Keith Grime  
 Rolando Charpentier            Randall Weselake  
 Richard Farmer  
 Immediate Past President: . . . . . Mark Matlock  
 Division Council Representative: . . . . . George Liepa  
 Education Chairperson: . . . . . Marjorie Besemer  
 Publications Chairperson: . . . . . Robert Moreau  
 Technical Chairperson: . . . . . Ian Purtle

*Each year the AOCS and its component groups present awards to recognize accomplishments by individuals in the realm of fats, oils, and related materials. Recipients range from longtime AOCS members who have spent years in their specialties to graduate students who are just beginning their careers. The AOCS congratulates each of the 2004–2005 award recipients.*

### Award Sponsors

AOCS thanks all award sponsors for their generous support. Sponsors make it possible for AOCS and its component groups to recognize outstanding scientists, researchers, technicians, students, journal articles, and years of service within the fats and oils community.

Akzo Nobel, Inc.  
 Archer Daniels Midland  
 Canadian Section of the AOCS  
 Cargill Inc.  
 Stephen S. and Lucy D. Chang  
 Cognis Corporation  
 Manuchehr (Manny) Eijadi  
 International Food Science Centre AS  
 International Lecithin & Phospholipid Society (ILPS)  
 Lonza Inc.  
 Natural Health Research Institute  
 Frank C. Naughton  
 Nu Chek Prep Inc.  
 Nicholas Pelick  
 Milton Rosen  
 Ross Products Division, Abbott Labs  
 Vijai K.S. Shukla  
 The Soap and Detergent Association (SDA)  
 Supelco, Inc.  
 Thomas Smouse and Family  
 Unilever HPC  
 United Soybean Board



# Agenda

## 2005 Annual Meeting Awards/Business Breakfast

- I. Call to Order (Johnson)
- II. Welcome and Introductions (Johnson)
- III. Approval of Minutes (Akoh)
- IV. Approval of Articles of Incorporation and By-Laws Changes (Johnson) .....page 4
- V. AOCS Foundation Report (Boyer)
- VI. Resolutions (Johnson)
- VII. Nomination and Election Committee Report (Matlock)
- VIII. Retiring President's Address (Johnson)
- IX. Passing of the Gavel (Johnson)
- X. Presentation of Past President's Key (Haas)
- XI. Incoming President's Address (Haas)
- XII. Awards Presentations
  - Student Awards .....page 5
  - Division Awards .....page 10
  - Scientific Awards .....page 13
  - Society Awards .....page 14
- XIII. Adjournment (Haas)

*The AOCS is pleased to recognize and honor*

**the Vegetable Oils & Fats Industrialist Association of Turkey and the Kitchen Products & Margarine Industrialists Association of Turkey** and namely, Messrs.

Umit Ersoy  
Faruk Sari  
Taskin Tuglular  
Okyar Yayalar  
Metin Yurdagul

*for their longstanding support of and partnership with the AOCS.*

*The AOCS is pleased to recognize the*

**American Soybean Association–Eurasia, Middle East and Africa Regional Office**

*for their longstanding support of and partnership with the AOCS.*



## *Proposed Changes to the Articles of Incorporation*

The proposed changes were printed in the 2005-2006 Governing Board election ballots, which were sent to all eligible AOCS members in December.

### **ARTICLE I: Name of Society**

Shall the reference to the acronym AOCS used by the society be added to provide official reference?

### **ARTICLE IV: Qualifications of Members**

SECTION 9. AOCS FELLOWS. Shall the AOCS Fellows percentage of membership capacity be raised from 1%

to 2% to address the increase in qualified nominations coupled with a declining membership base?

### **ARTICLE IX: Examination Board**

Shall the selection of the Chairperson be changed to reflect current practice?

## *Proposed Changes to the AOCS By-laws*

The proposed changes were printed in the December 2004 issue of *inform* and must be voted on by the membership at this time.

### **ARTICLE IV: Election of Officers**

SECTION 2. NOMINATING SUGGESTIONS. Shall the committee name be changed to "Leadership Canvassing Committee" to more accurately reflect the committee's responsibilities?

Shall the Executive Vice President be added to the committee to reflect current practices?

Shall the deadline to accept nominations be changed to provide an opportunity for organization of a "grass roots" campaign, should there be any?

SECTION 3. ELECTION BALLOT. Shall the procedure be changed to allow up to an additional four (4) nominees for Governing Board Member-at-Large positions to provide for a "grass roots" campaign, should there be any?

### **ARTICLE VI: Governing Board, Committees and Duties**

SECTION 5. POLICIES AND PRACTICES OF SPECIFIC COMMITTEES. This procedure shall be changed to reflect amendments to Article IX of the Articles of Incorporation, should the proposed amendments be passed. If the amendments to Article IX of the Articles of Incorporation do not pass, this section will revert to its original wording.

### **ARTICLE XIII: Sections, Divisions, and Common Interest Groups**

SECTION 7. SPECIFIC DUTIES, RESPONSIBILITIES, AND PRIVILEGES OF SECTIONS, DIVISIONS, AND COMMON INTEREST GROUPS. This wording will be changed to reflect the committee section name proposed in Article IV: Section 2 of the AOCS by-laws.



## Student Awards

### Honored Student Award

The Honored Student Award recognizes graduate students at any institution of higher learning, in any area of science dealing with fats and lipids, who are doing research toward an advanced degree and who are interested in the areas of science and technology. Twelve students have been selected to receive special recognition for their academic studies and research. These students have received financial support to attend the meeting and each will be presenting a technical paper as part of the technical program. The 2005 recipients are:



Award to be presented to **Bradley W. Bolling**, University of Wisconsin-Madison, during the paper presentation, "Isolation and Identification of *in vitro* Quinone Reductase-Inducing Components from Soybean (*Glycine max* ssp.)," in the Emerging Topics session on Wednesday, May

4, Ballroom F.



Award was presented to **Mal-Gi Choi**, Rutgers, The State University of New Jersey, during the paper presentation, "Regulation of Choline Kinase by Protein Kinase C Phosphorylation in Yeast," in the General Phospholipids session on Monday, May 2, Room 251A.



Award was presented to **Sabine Men Danthine**, Gembloux Agricultural University, during the paper presentation, "Use of Physicochemical Characteristics of Some Selected Binary Fat Blends to Predict Physicochemical Properties of Correspondent Ternary Fat Blends,"

in the Crystallization I—Shortening session on Monday, May 2, Room 250F.



Award to be presented to **Darinka Djordjevic**, University of Massachusetts, during the paper presentation, "Use of Emulsion Droplet Interfacial Engineering as an Antioxidant Technology for the Improvement of the Oxidative Stability of Omega-3 Fatty Acids," in

the General Antioxidants session on Wednesday, May 4, Ballroom G.



Award to be presented to **Ryan J. Elias**, University of Massachusetts-Amherst, during the paper presentation, "Antioxidant Activity of Methionine, Cysteine and Tryptophan Residues in Oil-in-Water Emulsions," in the General Antioxidants session on Wednesday, May 4, Ballroom G.



Award was presented to **Supratim Ghosh**, The Pennsylvania State University, during the paper presentation, "Effects of Lipid Phase Transition on Aroma Release Properties of Model Oil-in-Water Emulsion," in the Colloidal and Interfacial Properties of Food Products II session on Monday, May 2, Room 250DE.



Award to be presented to **Zakir Hossain**, Hokkaido University, during the paper presentation, "Effect of Docosahexaenoic Acid and Eicosapentaenoic Acid-Enriched Polyunsaturated Fatty Acids on Tight Junction Permeability in Intestinal Monolayer of Caco-2 Cells," in the

Synthetic or Semi-Synthetic Phospholipids and their Potential Applications session on Wednesday, May 4, Ballroom E.



Award to be presented to **Nao Inoue**, Saga University, during the paper presentation, "Hypotensive Effect of Conjugated Linoleic Acid," in the Emerging Topics session on Wednesday, May 4, Ballroom F.



Award to be presented to **Xiangqing Pan**, Tokyo University of Marine Science and Technology, during the paper presentation, "Purification of All-*cis*-7,10,13,16,19- Docosapentaenoic Acid Ethyl Ester from Seal Blubber Oils and Distributions of Isomeric Hydroperoxides Generated by Free Radical Oxidation and Photosensitized Oxidation," in the General Antioxidants session on Wednesday, May 4, Ballroom G.



Award to be presented to **Sukhwan Soontravanich**, the University of Oklahoma, during the paper presentation, "Dissolution of Soap Scum with Surfactants and Chelating Agents," in the General Detergents session on Wednesday, May 4, Ballroom A.



Award was presented to **Nestor U. Soriano, Jr.**, University of Tsukuba, during the paper presentation, "Vegetable Oil-Based Pour Point Depressant for Neat Biodiesel," in the Alternative Fuels I session on Monday, May 2, Ballroom B.



Award was presented to **Anuradee Witthayapanyanon**, the University of Oklahoma, during the paper presentation, "Surfactant-Based Microemulsions for Solvent Replacement," in the Detergent Formulations for the Industrial and Institutional (I&I) Market session on Monday, May 2, Ballroom A.

### Manuchehr Eijadi Award

The Manuchehr (Manny) Eijadi Award recognizes the outstanding merit and performance of an Honored Student who will present a paper at the annual meeting of the Society. This award is derived from the funds contributed by Manny Eijadi, a longtime active member of the AOCS. The award consists of a plaque and \$1,000 to be used for continued education in the fats and oils field.



**Anuradee Witthayapanyanon** of the University of Oklahoma is the 2005 recipient of the Eijadi Award. Witthayapanyanon's paper presentation was on Monday, May 2, during the Detergent Formulations for the Industrial and Institutional (I&I) Market session. Her presentation was titled "Surfactant-Based Microemulsions for Solvent Replacement."

### Frank C. Naughton Award

The Frank C. Naughton Award recognizes the outstanding merit and performance of an Honored Student who will present a paper at the annual meeting of the Society. This award is derived from the funds con-

*The following have contributed to the 2005 Honored Student Program. The AOCS gratefully acknowledges their support to further education in the fats and oils industry.*

**Nu Chek Prep, Inc. • Ross Products Division, Abbott Labs**

We would also like to thank the many AOCS members who contributed to the 2005 Student Programs Fund by including a donation with their membership dues.



tributed in memory and honor of Frank C. Naughton, a distinguished and active member of the AOCS, and is conveyed to the Society by his widow, Marian Naughton. The award consists of a certificate and \$1,000 to be used for continued education in the fats and oils field.



Chelating Agents.”

**Sukhwan Soontravanich** of the University of Oklahoma is the recipient of the award. Sukhwan Soontravanich's paper will be presented on Wednesday, May 4, during the General Detergents session. Her presentation is titled “Dissolution of Soap Scum with Surfactants and

### Ralph H. Potts Memorial Fellowship

The Ralph H. Potts Memorial Fellowship is presented annually to a graduate student working in the field of chemistry of fats and oils and their derivatives. The type of research that qualifies for the award involves fatty acids and their derivatives, such as long-chain alcohols, amines, and other nitrogen compounds. The award consists of a \$1,000 honorarium and a plaque. It is sponsored by Akzo Nobel, Inc. to recognize the late Ralph H. Potts, a pioneer in industrial research and technology of fatty acids.



**Mohanprasad Dasari** of the University of Missouri, is the recipient of this year's award. His presentation, “Synthesis of Value Added Chemicals from Crude Glycerol,” is scheduled for the New Uses of Glycerol session on Tuesday, May 3.

### Analytical Division Student Award

This award recognizes outstanding graduate students presenting in the field of lipid analytical chemistry at the AOCS Annual Meeting & Expo. The award consists of a \$250 honorarium and a certificate. The honorarium and certificate will be presented at the Analytical Division luncheon on Wednesday, May 4.



**Devin J. Rose**, of Brigham Young University, for the paper “A Simplified Method for the Determination of Lipolytic Activity in Wheat and Wheat Bran,” which was presented in the Analytical Poster session on Monday, May 2.



**Ahmed Ali Al-Alawi**, of McGill University, Canada, for the paper “A New FTIR Method for the Determination of Low Levels of Moisture in Edible Oils,” which will be presented on Wednesday, May 4, during the General Analytical session.

### Biotechnology Division Student Paper Award

The award recognizes an outstanding paper in the field of biotechnology presented by a student at the AOCS Annual Meeting & Expo. Award recipients will receive an honorarium and a certificate. The honorarium and certificate will be presented at the Biotechnology Division dinner on Tuesday, May 3.



**Janni B. Kristensen** of the Technical University of Denmark, for the paper “Enzymatic Production of Dietary Diacylglycerols and Stability and Sensory Evaluation of Butter Products Containing Diacylglycerols” in the Functional Foods session.



**Nese Sahin** of the University of Georgia, for the paper “Lipase-Catalyzed Interesterification of Tripalmitin to Produce Human Milk Fat Substitutes Containing Gamma-Linolenic Acid by Response Surface Methodology” in the Poster session.



**Stephen E. Lumor** of the University of Georgia, for the paper “Enzymatic Incorporation of Stearic Acid into a Blend of Palm Olein and Palm Kernel Oil: Optimization by Response Surface Methodology” in the Poster session.

### Edible Applications Technology Division Student Excellence Award

The award recognizes an outstanding graduate student doing research toward an advanced degree in the edible applications field of interest. The award consists of \$500 to help defray expenses to attend and present at the AOCS Annual Meeting & Expo, and a certificate.



This year’s recipient is **Kerry Lyn Humphrey** of the University of Alberta, Edmonton, Canada. Humphrey’s presentation, “Effect of Cooling Rate on the Growth Mode and Physical Functionality of a Lipid Sample,” will be given during the Crystallization II—Confectionary session on Wednesday, May 4.

### Health and Nutrition Division Student Excellence Award

This award recognizes the outstanding merit and performance of an Honored Student in the health and nutrition field who will present a paper at the annual meeting of the Society. This award is sponsored by the Health and Nutrition Division of the AOCS and includes a certificate and \$500 to be used for continued education in the fats and oils field.



The recipient of this award is **Bradley W. Bolling** of the University of Wisconsin-Madison. Bolling’s presentation, “Isolation and Identification of *in vitro* Quinone Reductase-Inducing Components from Soybean (*Glycine Max* spp.),” will be given on Wednesday, May 4, during the Emerging Topics session.

### Industrial Oil Products Division Student Award

The award recognizes an outstanding graduate student who is doing research toward an advanced degree in the industrial oil products field of interest. The award consists of \$500 to help defray expenses to attend and present at the AOCS Annual Meeting & Expo, and a certificate.



This year’s recipient is **Carolina Quintero** of the University of Southern Mississippi. Quintero’s presentation, “Reaction Calorimetry as a Tool to Determine Diffusion of Vegetable Oil Macromonomers in Emulsion Polymerization,” will be given during the General Industrial Oil Products session on Wednesday, May 4.

### Processing Division Student Excellence Award

This award recognizes graduate students presenting an outstanding paper at the AOCS Annual Meeting & Expo in the processing interest area. Award recipients receive a \$250 honorarium and a certificate. The honorarium and award certificate will be presented during the Processing Division luncheon on Tuesday, May 3.



**Michael Eisenmenger**, of Oklahoma State University, for the paper “Pilot Scale Supercritical Carbon Dioxide Extraction and Characterization of Wheat Germ Oil,” which was presented in the Nutraceuticals/Specialty Oil Processing session on Monday, May 2.



**Darrell Sparks**, Mississippi State University, for the paper “Extraction of Rice Bran Lipids Using Compressed Gases or Supercritical Carbon Dioxide for the Generation of Value-Added Chemicals,” which will be presented in the General Processing session on Wednesday, May 4.



### Surfactants and Detergents Division Student Travel Award

The award is intended to recognize an outstanding graduate student who is interested in the area of science and technology in any area of science dealing with fats and oils, proteins, lipids, surfactants, detergents, or related materials and who is doing research toward an advanced degree. The award recipient will receive \$500 to help defray costs in attending the Annual Meeting & Expo, and a certificate.

**Prapas Lohateeraparp**, University of Oklahoma, for the paper, "Measuring Monomer–Micelle Equilibrium by Using Semi–Equilibrium Dialysis: A Comparison Between Experimental Results and Regular Solution Theory," given on Monday, May 2, during the General Surfactants I session.

### AOCS Foundation Scholarships

The AOCS Foundation has established a scholarship program designed to encourage and support outstanding research in all aspects of fats and oils. Current scholarships offered under this program include the following:

COGNIS Corporation sponsors a \$1,000 scholarship to support a graduate student studying general fats and oils chemistry. The scholarship recipient for the 2005–2006 academic year is **Demet Guzey** of the University of Massachusetts–Amherst, USA.

Unilever HPC sponsors a \$1,500 scholarship to support a graduate student studying in the surfactants and detergents field. The scholarship recipient for the 2005–2006 academic year is **Sukhwan Soontravanich** of the University of Oklahoma, USA.

The Canadian Section of the AOCS is sponsoring a \$1,500 scholarship to support a graduate student studying general fats and oils chemistry at a recognized Canadian university. The scholarship recipient for the 2005–2006 academic year is **Kerry Lyn Humphrey** of the University of Alberta, Edmonton, Canada.

Natural Health Research Institute is sponsoring four \$2,500 scholarships to support students studying in the following areas:

- Fatty acids in the prevention and control of cardiovascular disease. **Melissa R. Keplinger** of the University of Connecticut was awarded the 2005–2006 scholarship.
- Fatty acids in the prevention and control of diabetes. **Angela A. Wendel** of The Ohio State University, Columbus was awarded the 2005–2006 scholarship.
- Fatty acids in the prevention and control of obesity. **Harini Sampath** of the University of Wisconsin–Madison was awarded the 2005–2006 scholarship.
- Roles of fatty acids in reducing inflammation. **Amy E. Griel** of The University of Pennsylvania was awarded the 2005–2006 scholarship.

### AOCS Thomas H. Smouse Memorial Fellowship

The Archer Daniels Midland Foundation, the AOCS, the AOCS Foundation, and the family and friends of Dr. Smouse have established a fellowship program designed to encourage and support outstanding graduate research in a field of study consistent with areas of interest to the AOCS. **Hongmei Ren** of the London Metropolitan University, United Kingdom has been awarded a continuation of the Smouse Memorial Fellowship for the 2005–2006 academic year.



Hongmei Ren's presentation, "Fatty Acid Abnormality in Homozygous Sickle Cell Patients (HbSS) Is a Universal Phenomenon that Affect Plasma, Erythrocytes, Mononuclear Cells, and Platelets," was given during the Health and Nutrition Poster Session on Monday, May 2.



## Division Awards

### The Soap and Detergent Association Distinguished Paper Award

The Soap and Detergent Association (of the United States) Award is presented annually to the authors of the best technical paper appearing during the preceding year in the *Journal of Surfactants and Detergents (JSD)*, a publication of AOCS Press. The Soap and Detergent Association, along with the Surfactants and Detergents Division of the AOCS, sponsors this award. The award consists of a plaque presented by The Soap and Detergent Association.

This year's recipients are **Cecilia Groth**, **Magnus Nydén**, **Kirster Holmberg**, **James R. Kanicky**, and **Dinesh O. Shah** for "Kinetics of the Self-Assembly of Gemini Surfactants" (*JSD*, Vol. 7, no. 3: pp. 247–255). Their award will be presented during the Surfactants and Detergents Division luncheon on Tuesday, May 3.

### Archer Daniels Midland Award

The Archer Daniels Midland Award is presented annually to the authors of the best paper relating to proteins and co-products published during the past year in AOCS Press publications. Archer Daniels Midland Company and the Protein and Co-Products Division of the AOCS sponsor the award.



This year's recipients in the chemistry/nutrition category are **Dilip R. Panthee** (pictured), **Prachuab Kwanyuen**, **Carl E. Sams**, **Dennis R. West**, **Arnold M. Saxton**, and **Vincent R. Pantalone** for "Quantitative Trait Loci for  $\beta$ -Conglycinin (7S) and Glycinin (11S) Fractions of Soybean Storage Protein" (*JAACS*, Vol. 81, no. 11: pp. 1005–1012). The award was presented at the Protein & Co-Products Division dinner on Monday, May 2.



Kaichang Li



Svetlana Peshkova



Xinglian Geng

This year's recipients in the engineering/technology category are **Kaichang Li**, **Svetlana Peshkova**, and **Xinglian Geng** for "Investigation of Soy Protein-Kymene<sup>®</sup> Adhesive Systems for Wood Composites" (*JAACS*, Vol. 81, no. 5: pp. 487–491). The award was presented at the Protein & Co-Products Division dinner on Monday, May 2.

### Phospholipid Division Best Paper Award

The Phospholipid Division Award for Best Paper is presented annually to the author of the best paper relating to phospholipids published during the last year. The Phospholipid Division of the AOCS and the International Lecithin and Phospholipid Society (ILPS) sponsor this award.



This year's recipients are **Lucas Guillermo Pan**, **Mabel Cristina Tomás** (pictured), and **María Cristina Añón**, for the paper "Oil-in-Water Emulsions Formulated with Sunflower Lecithins: Vesicle Formation and Stability" (*JAACS*, Vol. 81, no. 3: pp. 241–244). The award was presented at the Phospholipid Division Luncheon on Monday, May 2.



Naomi  
Shibasaki-Kitakawa



Hideto Kato



Atsushi Takahashi

### Lipid Oxidation and Quality Best Paper Award

The Lipid Oxidation and Quality Division Best Paper Award is presented annually to the authors of the best paper relating to lipid oxidation or quality published during the past year in AOCS Press publications.

This year's recipients are **Naomi Shibasaki-Kitakawa**, **Hideto Kato**, **Atsushi Takahashi**, and **Toshikuni Yonemoto** for the paper entitled "Oxidation Kinetics of  $\beta$ -Carotene in Oleic Acid Solvent with Addition of an Antioxidant,  $\alpha$ -Tocopherol" (*JAACS*, Vol. 81, no. 4: pp. 389-394). The award was presented at the Lipid Oxidation and Quality Division luncheon on Monday, May 2.



Toshikuni Yonemoto

### Timothy L. Mounts Award

This award was established to recognize research accomplishments relating to the science, technology, or applications of edible oils or derivatives in food products. The award is sponsored by Lonza Inc., offered through the Edible Applications Technology Division of the AOCS, and consists of a \$500 honorarium and a plaque.



This year's recipient is **Richard W. Hartel** of the University of Wisconsin, USA. The award address entitled "Surface Phenomena Related to Crystals at the Interface of a Fat Globule" will be presented on Tuesday, May 3, in the Emulsions in Foods session.

### Herbert J. Dutton Award



industry.

The Herbert J. Dutton Award is sponsored by the Analytical Division of the AOCS and is given to a scientist who has made significant contributions to the analysis of fats and oils or for work that has resulted in major advances in the understanding of processes utilized in the fats and oils

This year's recipient is **James K. Daun** of the Canadian Grain Commission. The award, which consists of a plaque and a \$1,000 honorarium, will be presented at the Analytical Division luncheon on Wednesday, May 4. His presentation is titled "Adventures in the Oilseeds Trade."

### Samuel Rosen Memorial Award

This award recognizes a significant advancement or application of the principles of surfactant chemistry by a chemist working in the industry. The contribution recognized may be in the form of a scientific publication, a patent, or the development of a new product. The award is sponsored by Milton Rosen to recognize his father, Samuel Rosen, who worked as an industrial chemist on the formulation of printing inks for more than forty years. The award, offered through the Surfactants and Detergents Division of the AOCS, consists of a \$2,000 honorarium and a plaque.



**George A. Smith** of Huntsman Performance Products, a Division of the Huntsman Corporation is the recipient of the award. His presentation, "Isethionates and Derivates: Preparation, Properties and Performance" is scheduled for Tuesday, May 3.



### USB's Industrial Uses of Soybean Oil Award

This new award was established to recognize outstanding research into new industrial applications or uses for soybean oil. The award is sponsored by the United Soybean Board (USB), offered through the Industrial Oil Products Division, and consists of a \$3,000 honorarium and a plaque.



This year's recipient is **Bhima R. Vijayendran** of the Battelle Memorial Institute. The award address, "Emerging Opportunities and Challenges for Soybean Oil-Derived Industrial Products," will be presented during the Oleochemicals session on Wednesday, May 4.

### SDA Glycerine Innovation Award

This award was established to recognize outstanding achievement for research into new applications for glycerine with particular emphasis on commercial viability. The award is sponsored by The Soap and Detergent Association, offered through the Industrial Oil Products Division, and consists of a \$3,000 honorarium and a plaque.



This year's recipient is **Andrew Guo** of the Kansas Polymer Research Center of Pittsburg State University. The award lecture will be "Seed Oil-Based Polyols and Application in Polyurethane Foams" on Tuesday, May 3 in the Oil-Based Polymeric Materials session.

### Biotechnology Division Lifetime Achievement Award

This award was developed to honor lifetime outstanding performance and meritorious contributions to an area of interest to the AOCS Biotechnology Division. The award consists of a \$3,500 honorarium and a plaque. Archer Daniels Midland Company sponsors the award.



The winner of this award is **Jei-Fu Shaw** of National Chung Hsing University. The award will be presented after the award address entitled "Biotechnology of Several Important Lipases and Esterase" on Tuesday, May 3.



## Scientific Awards

### Smalley Award for Oilseed Meal Analysis

This award honors the originator of the AOCS Check Sample Program, Frank Smalley.

The 2004 recipients of the Smalley Award for Oilseed Meal Analysis are **Stephen Jacque** and **Susan Jacque** from K-Testing Laboratory, Memphis, Tennessee.

### Doughtie Award for Cottonseed Analysis

This award honors Richard Doughtie, who for many years administered the program and managed the scores of volunteers who provided and mailed samples to participants.

The 2004 Doughtie Award for Cottonseed Analysis is presented to **Donald Britton** of Mid-Continent Laboratory, Memphis, Tennessee.

A complete listing of all Laboratory Proficiency Program winners begins on page 15.

### AOCS Young Scientist Research Award

The AOCS Young Scientist Research Award recognizes a young scientist who has made a significant and substantial research contribution in one of the areas represented by the Divisions of the AOCS. The award consists of a plaque, a \$1,000 honorarium, and financial support to attend the AOCS Annual Meeting & Expo. The sponsor for the 2005 award is Vijai K.S. Shukla and the International Food Science Centre A/S in Denmark.



**Ki-Teak Lee** of Chungnam National University, Korea is this year's recipient. The award will be presented during the Biotechnology session on Tuesday, May 3. The award address is "Functional Dietary Fats and Oils: Examples, Developments, Characterization, Analysis, and Dietary Studies."

### Stephen S. Chang Award

The Stephen S. Chang Award was established to recognize a scientist, technologist, or engineer who has made distinguished accomplishments in basic research that have been used by industry for the improvement or development of products related to lipids. The late Stephen S. Chang and his wife, Lucy D. Chang, sponsor this award.



**Kiyotaka Sato** of Hiroshima University, Japan has been awarded the Stephen S. Chang Award for 2005. The award consists of a jade horse and an honorarium of \$5,000.

Sato's technical presentation, "Lipid Molecules—How to Feature Functional Physical Properties?" was presented on Monday, May 2.

### Supelco/Nicholas Pelick—AOCS Research Award

The Supelco/Nicholas Pelick—AOCS Research Award was established to recognize outstanding original research, as presented in high-quality technical papers regarding fats, oils, lipid chemistry, or biochemistry. Supelco, Inc., a subsidiary of Sigma Aldrich Corp., and Nicholas Pelick, a longtime member and past president of the AOCS, are the sponsors of this award.



**Marcel S.F. Lie Ken Jie** of the University of Hong Kong is this year's recipient of the Supelco/Nicholas Pelick—AOCS Research Award. The award consists of a plaque, an \$8,000 honorarium, and travel expenses.

Lie Ken Jie's presentation titled "Lipid Chemistry at the Cutting Edge—from Sonochemistry to Nanotechnology" will be presented on Tuesday, May 3.



## Society Awards

### Corporate Achievement Award

The AOCS Corporate Achievement Award was established to recognize industry achievements for an outstanding process, product, or contribution that has made the greatest impact on its industry segment. This year's award recognizes **Archer Daniels Midland Company** for the development and public health impact of low/zero *trans* oil products. The award consists of a plaque.



### AOCS Fellows

Veteran AOCS members whose achievements in science entitle them to exceptionally important recognition or who have rendered unusually important service to the Society or to the profession are eligible for this honor. A candidate must have been an AOCS member for a minimum of 15 years. AOCS Fellows are an elite group whose membership cannot exceed 2% of the AOCS membership.


Infinite  
Resources

THE AOCS FOUNDATION

Endless  
Possibilities

**AOCS is launching a campaign to update and improve all AOCS technology and communications products and services. We have set a very ambitious goal of \$500,000 and your help is needed.**

**Fill out your pledge card and let AOCS move into its second century as your "Global Fats and Oils Connection"!**

**AOCS**   
Since 1909  
Your Global Fats and Oils Connection

*Our strength lies in our foundation—be a part of it!*



James K. Daun



Robert C. Hastert



Nicholas Pelick



Vijai K.S. Shukla



Michihiro Sugano

### A.R. Baldwin Distinguished Service

This award was first given in 1981 to Dr. A. Richard Baldwin to recognize his lengthy and distinguished service to the AOCS and for his leadership within the Society.

The award consists of a plaque, a \$2,000 honorarium, and travel expenses provided by Cargill, Inc.



The 2005 A. Richard Baldwin Distinguished Service Award is awarded to **David R. Erickson**, DJ Consultants, Santa Rosa, California.