

AMERICAN CERAMIC SOCIETY AWARDS AND PROFESSIONAL RECOGNITION

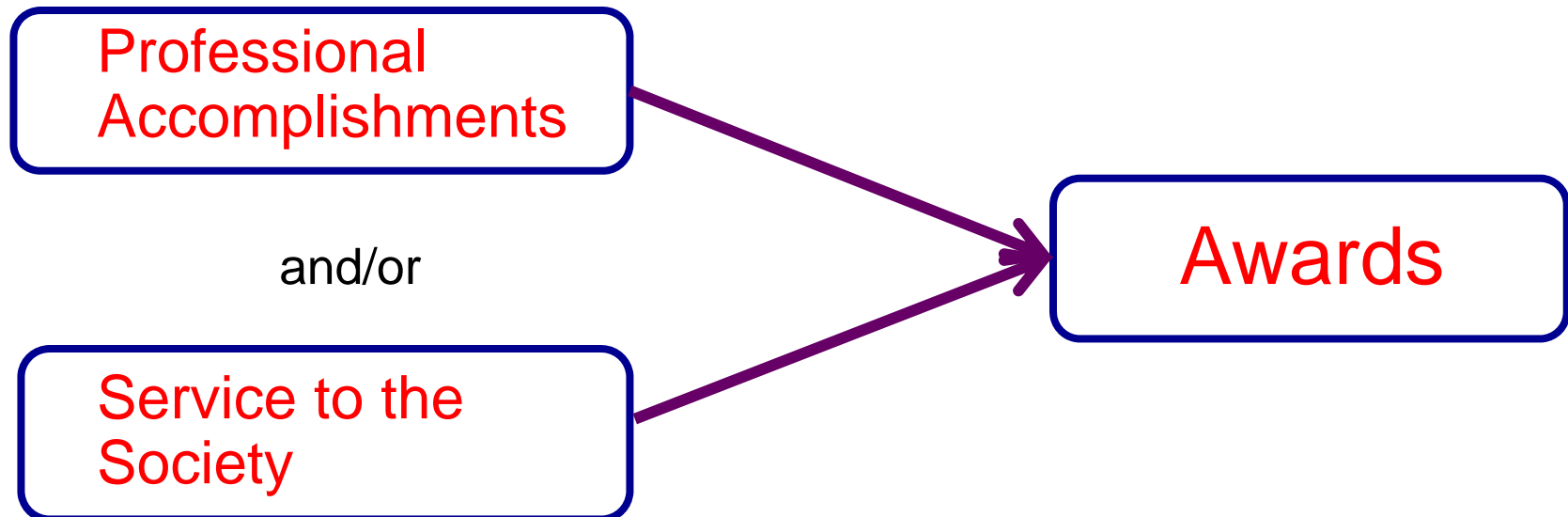
Rajendra Bordia

Materials Science & Engineering
Clemson University
Clemson, SC



2013 NSF Ceramic Materials Principal Investigator Workshop, June 2013

Professional Society Awards



In most cases peer recognition based on peer nominations

Engagement with the Society is important

Early Career Awards of ACerS

- ◆ Robert L. Coble Award for Young Scholars (2013 winner - Dr. Nina Balke)

Coble Award

The award recognizes an outstanding scientist who is 35 years of age or younger.

- ◆ Engineering Ceramics Division: Global Young Investigator Award (new award)

Global Young Investigator Award

The Global Young Investigator (GYI) award recognizes the outstanding young ceramic engineer and scientist whose achievements have been significant to the profession and to the general welfare of the community around the globe. Age < 35 years.

- ◆ Du-Co Ceramics Young Professional Award (2013 winner – Dr. Kevin Fox)

Du-Co Ceramics Young Professional Award

Young professional member of ACerS who demonstrates exceptional **leadership and service to ACerS** (< 40 years age and in the first ten years of career).

Early to Mid-Career Awards of ACerS

◆ Karl Schwartzwalder Professional Achievement in Ceramic Engineering (PACE) Award (2013 winner – Dr. Geoff Brennecka)

PACE award

- The award recognizes the nation's outstanding young ceramic engineer whose achievements have been significant to the profession and to the general welfare of the American people.
- A nominee must be between 21 and 40 years of age

◆ Richard M. Fulrath Award (2013 winners – Profs. Gouma and Noguchi; Drs. Halbig, Kintaka and Tsutsumi)

Fulrath Award

This Award promote technical and personal friendships between professional Japanese and American ceramic engineers and scientists. The criteria for the selection of the award winners are:

- Excellence in research and development of ceramic sciences and materials.
- Age < 45 years

Any Stage of Career Awards of ACerS

◆ Fellow of the American Ceramic Society (18 selected in 2013)

Society Fellow

The criteria for the selection are:

- Demonstrated impact of contributions to the profession
- Demonstrated leadership and engagement in the profession
- Over 35 years of age and Society membership for minimum of five years

◆ Cements Division L.E. Copeland Award

CD L.E. Copeland Award

The Copeland award is presented to an individual in recognition of outstanding contributions to the development and understanding of cement and concrete science.

◆ Engineering Ceramics Division: Bridge Building Award (also a lecture associated with this)

ECD Bridge Building Award

This award recognizes individuals outside of the United States who have made outstanding contributions to engineering ceramics.

◆ Nuclear and Environmental Technology Division D.T. Rankin Award

NETD D.T. Rankin Award

This award recognizes a member of the Nuclear & Environmental Technology Division who has demonstrated **exemplary service to the division.**

Any Stage of Career Awards of ACerS (contd.)

- ◆ National Institute of Ceramic Engineers Greaves-Walker Lifetime Service Award (2013 winner – Prof. Bill Fahrenholtz)

NICE Greaves Walker Lifetime Service Award

It is presented to an individual who has rendered outstanding service to the ceramic engineering profession and who, by life and career, has exemplified the aims, ideals and purpose of NICE.

- ◆ Ceramic Educational Council Outstanding Educator Award (2013 winner – Prof. Linda Jones)

CEC Outstanding Educator Award

The purpose of the award is to recognize truly outstanding work and creativity in teaching, in directing student research, or in the general educational process (lectures, publications, etc.) of ceramic educators.

Awards of ACerS that Recognize a Distinguished Career

- ◆ Distinguished Life Membership (2013 winners – Profs. Gary Messing, Katherine Faber and Ludwig Gauckler)

Distinguished Life Membership

Current members of the Society of professional eminence who, because of their achievements in the ceramic arts or sciences, or their service to the Society

- ◆ W. David Kingery Award (2013 winner – Richard Bradt)

David Kingery Award

This award recognizes distinguished lifelong achievements involving multidisciplinary and global contributions to ceramic technology, science, education and art. The award is open to all people worldwide and membership in ACerS is not a requirement.

- ◆ John Jeppson Award (2013 winner – Anil Virkar)

John Jeppson Award

The Jeppson Award recognizes distinguished scientific, technical, or engineering achievements in ceramics.

Awards with an Associated Named Lecture

- ◆ Frontiers of Science and Society – Rustum Roy Lecture (2013 winner – Prof. Larry Hench)

Rustum Roy Lecture

This annual lecture of The American Ceramic Society honors Professor Rustum Roy. The lecture is given each year by an internationally or nationally recognized individual in the area of science, industry or government

- ◆ Edward Orton, Jr. Memorial Lecture (2013 Winner – Dr. Shelley Wiederhorn)

Edward Orton, Jr. Lecture

The lecturer is given each year by an awardee selected for scholarly attainments in ceramics or related field.

- ◆ Darshana and Arun Varshneya Frontiers of Glass Lecture (2013 winner – Prof. Walter Kob)

Darshana and Arun Varshneya Frontiers of Glass

The Frontiers of Glass Science and the Frontiers of Glass Technology lectures are designed to encourage scientific and technical dialog in glass topics of significance that define new horizons, highlight new research concepts, or demonstrate the potential to develop products and processes for the benefit of humankind. The lectures are presented at the Glass and Optical Materials Division meeting.

- ◆ Basic Science Div. Robert B. Sosman Award and Lecture (2013 winner – Prof. Nava Setter)

BSD Robert B. Sosman Award

This award is the highest recognition of scientific accomplishment given in recognition of outstanding achievement in basic science of an area that results in a significant impact to the field of ceramics. The lecture is given each year

Awards with an Associated Named Lecture (Contd.)

- ◆ Cements Division Della Roy Lecture (2013 winner – Prof. Leslie Struble)

CD Della Roy Lecture

The Della Roy Lecturer is selected by consensus of the division executive committee in consultation with Elsevier Science, who sponsors the lecture for distinguished contributions to areas of interest to the cements division.

- ◆ Engineering Ceramics Division James I. Mueller Lecture

ECD James I. Mueller Lecture

This award recognizes the enormous contributions of Prof. Mueller to the ECD and the field of engineering ceramics. It is the intent of this award to recognize the accomplishments of individuals who have made similar contributions.

- ◆ Glass and Optical Materials Division Stookey Lecture of Discovery

GOMD Stookey Lecture of Discovery

This award recognizes an individual's lifetime of innovative exploratory work or noteworthy contributions of outstanding research on new materials, phenomena, or processes involving glass, that have commercial significance or the potential for commercial impact.

- ◆ National Institute of Ceramic Engineers Arthur L. Friedberg Ceramic Engineering Tutorial and Lecture (2013 winner – Prof. Greg Hilmas)

NICE Arthur L. Friedberg Ceramic Engineering Tutorial and Lecture

The lecture is intended to provide a tutorial that reviews and instructs in some area of ceramics with a distinct engineering flavor. The lecture is presented at a level that is accessible to all ceramists.

Publication Awards of ACerS

- ◆ Ross Coffin Purdy Award (2013 Winner – paper coauthored by Lu, Naguib, Carle, Hultman Barsoum, Mashtalir, Presser and Gogotsi)

Ross Coffin Purdy Award

Author or authors who made the most valuable contribution to ceramic technical literature during the calendar year prior to the selection. The publication must be readily available to the public.

- ◆ Richard and Patricia Spriggs Phase Equilibria Award (Drs. Kobayashi and Sakka)

Richard and Patricia Spriggs Award

Author or authors who made the most valuable contribution to phase stability relationships in ceramic-based systems literature during the calendar year prior to the selection. The publication must be readily available to the public.

- ◆ BSD Ceramographic Competition and Roland B. Snow Award

Roland B. Snow Award

The Snow award is presented to the Best of Show winner of the Ceramographic Competition, an annual poster exhibit at MS&T to promote the use of microscopy and microanalysis as tools in the scientific investigation of ceramic materials.

- ◆ Cements Division S. Brunauer Award

CD S. Brunauer Award

The Brunauer Award is awarded annually to the author(s) of the best refereed paper on cements published during the previous calendar year in the Bulletin or the Journal of the American Ceramic Society.

Publication Awards of ACerS (continued)

◆ Electronic Division Edward C. Henry Award

ED Edward C. Henry Award

This award is given annually to an outstanding paper reporting original work in the Journal of the American Ceramic Society or the Bulletin during the previous calendar year on a subject related to electronic ceramics.

◆ Engineering Ceramics Division Best Paper and Poster Awards

ECD Best Paper and Poster

Each year, ECD selects best papers and best posters from the papers and posters that are presented at the annual Daytona Beach Conference.

◆ Glass and Optical Materials Division George W. Morey Award

GOMD George W. Morey Award

This annual award, sponsored by PPG Industries, recognizes new and original work in the field of glass science and technology. The criterion for winning the award is excellence in published work, either experimental or theoretical.

◆ Nuclear and Environmental Technology Division Best Paper Award

NETD Best Paper Award

For the best paper presented in an NETD-sponsored symposium at the ACerS Annual Meeting/MS&T and published in the proceedings.

Publication Awards of ACerS (continued)

◆ Refractory Ceramics Division Alfred W. Allen Award

RCD Alfred W. Allen Award

The award committee will review the technical literature of the last two years and select the author(s) of the technical paper on refractory ceramics that reflects the highest level of technical quality.

Student Awards of ACerS

- ◆ Basic Science Div. GEMS – Graduate Excellence in Materials Science (selected at MS&T).

BSD GEMS Award

The criteria for the selection of the award winners are:

- The scientific and academic accomplishment of the student
- The quality of the research presented at the meeting
- The quality of the oral presentation

- ◆ Du-Co Ceramics Scholarship (2013 winner – Kelsey Meyer)

Du-Co Ceramics Scholarship

This scholarship is awarded to an undergraduate student pursuing a degree in ceramic science, ceramic engineering, materials science, materials engineering or any combination of these degrees

- ◆ Electronics Division Lewis C. Hoffman Scholarship

ED Lewis C. Hoffman Scholarship

This scholarship is to encourage academic interest and excellence among undergraduate students in the area of ceramics/materials science and engineering.

- ◆ Electronics Division Student Presentation Award

ED Student Presentation Awards

Each year, the Electronics Division presents two best student presentation awards, one for best oral presentation, the other for best poster presentation.

Student Awards of ACerS (continued)

◆ Glass and Optical Materials Division Alfred R. Cooper Scholars Award

GOMD Alfred R. Cooper Scholars Award

This award is presented to outstanding undergraduate students

◆ Glass and Optical Materials Division Norbert J. Kreidel Award

GOMD Norbert J. Kreidel Award

This award for Young Scholars, recognizes research excellence in glass science, is open to all degree-seeking graduate students (MSc or PhD) or those who have graduated within a twelve month period of the annual GOMD meeting.

◆ Nuclear and Environmental Technology Division Student Stipend to Attend MS&T Meeting

NETD Student Stipend to Attend MS&T

Stipends to help fund students in attending MS&T Meeting. These stipends are targeted at deserving students with current or future interests in the nuclear and/or environmental fields of ceramic and materials engineering.

◆ Ceramic Educational Council Graduate Student Poster Contest

CEC Graduate Student Poster Contest

Best poster presented at the MS&T meeting by a recent graduate degree recipient

Student Awards of ACerS (continued)

◆ Ceramic Educational Council Undergraduate Student Poster Competition

CEC UG Student Poster Competition

Best poster presented at the MS&T meeting based the research conducted as an UG student. The work presented in the poster does not have to be performed at the student's home institution, but could be, for example, from a project performed as part of a co-op experience, a summer internship, or a Research Experience for Undergraduates (REU) project.

◆ Ceramic Educational Council Student Speaking Contest

CEC Student Speaking Contest

The purpose of the Student Speaking Contest is to encourage undergraduate students to present technical papers and to improve their presentation skills. Each entrant will receive a partial transportation allowance to MS&T. The contestant must participate in the semifinals and finals at the Annual Meeting (if selected) to receive the transportation allowance.

Opportunities for Service and Volunteer Leadership

The American Ceramic Society offers numerous opportunities for service and volunteer leadership

- ◆ Technical meeting organization: Session Chair, Symposia Organizers, Divisional Meetings Organization, National and International Meeting Organization
- ◆ Publications: Reviewers, Associate Editors, Editors
- ◆ Divisional Leadership:
- ◆ Society Level Leadership – e.g. Committees of the Society, Board

Engagement with Divisions and Society – important for many awards

Final word: Strong and relevant nomination package – in many cases helps to have support from past recipient(s) of that award

Thanks for your
attention

