

LINDA ELLEN JONES

EDUCATION

Ph.D. (1987) *Fuel Science, Materials Science and Engineering*, The Pennsylvania State University
M.S. (1984) *Fuel Science, Materials Science and Engineering*, The Pennsylvania State University
B.S. (1980) *Chemistry*, Mary Washington College

HIGHLIGHTED ACADEMIC AND CORPORATE EXPERIENCE

SMITH COLLEGE

Director, Picker Engineering Program 2005 – present
Rosemary Bradford Hewlett '40 Professor of Engineering

NEW YORK STATE COLLEGE OF CERAMICS AT ALFRED UNIVERSITY

Chair, Materials Science and Engineering Program, 2003-2005
Professor, Ceramic Engineering and Materials Science 2001-2005
Associate Professor, Ceramic Engineering and Materials Science 1997-2001
Assistant Professor, Ceramic Engineering and Materials Science 1991-1997

POST-DOCTORAL RESEARCH EXPERIENCE - THE PENNSYLVANIA STATE UNIVERSITY

Research Associate, Center for Advanced Materials, NASA Hi-Temp Program 1988-1991

ATLANTIC RESEARCH CORPORATION

Senior Materials *Engineer*, Propulsion Division, Hypervelocity Aerospace Materials Program 1986-1988
Propellant Chemist, Fuel Rich Propellant Research and Development 1980-1981

SERVICE ON BOARDS AND OTHER KEY DECISION MAKING BODIES

Board of Directors, American Ceramic Society 2009 - present
Executive Committee, American Carbon Society 2005 - present
Chaired Professorship Committee, Smith College 2007 - present
Deans Advisory Board, Cal Poly - San Louis Obispo 2006 - present
Board Member, Picker Institute, Colgate University 2007 - present
President, Alfred University Faculty Senate 2002-2004 and 2005

ADMINISTRATIVE EXPERIENCE – LEADERSHIP

DIRECTOR, PICKER ENGINEERING PROGRAM, SMITH COLLEGE, 2005 – PRESENT

- Oversee and manage the sustainable growth of the nation's first and only accredited engineering program at a women's college and one of the newest programs in Engineering to receive national attention.
- Ford Hall – LEED Silver rating, 140,000 ft² building for Engineering and the Molecular Sciences
 - Fundraising – Developed partnerships with key corporations, foundations, and alumnae that led to sponsorship for building and engineering equipment
 - Led Faculty Design Collaborations – Worked directly with architects (Bohlin, Cywinski and Jackson) to develop working and final architectural plans reflecting faculty, student and alumnae needs and desires

- Engineering Degrees at Smith College
 - B.S. Engineering Program Ranked 17th in the Nation by US News and World Report. The program was unranked in 2005.
 - Led a curriculum revision that amplifies student access to the degree and enables resource management
 - Established 2nd Degree Program - B.A. in Engineering Arts – a coupling of a degree in Engineering with disciplines in the humanities and arts – e.g. architecture, design, education, philosophy (ethics), languages
- Lead national and campus advocacy for a liberal education that includes engineering and the arts
- Establish Smith College as a national voice and model in the revision of engineering education
- Navigate campus wide perceptions regarding resource allocation to a new engineering program from the more established liberal arts, humanities and science communities on campus
- Work with faculty, students and external constituencies to establish a set of shared values that underpin all curricular and resource decision making
- Established an engineering Mission and Priorities subcommittee to foster faculty led strategic planning
- Guide admissions initiatives for Women in the Sciences and Engineering
- Restructure program support, obtained hiring approval for both a Ph.D. Social Scientist as Assessment Officer and laboratory supervisor to oversee hands on learning activities in all classroom/E-studios
- First program in the nation to implement a program-wide e-portfolio system for the purposes of critiquing individual student transformation and providing comprehensive background for a thorough reflective program assessment

DEANS ADVISORY BOARD, CAL POLY - SAN LOUIS OBISPO, 2007 - PRESENT

Provide feedback and assisted planning for initiatives to foster the recruitment of underrepresented Students in the Cal State system

BOARD MEMBER, PICKER INSTITUTE, COLGATE UNIVERSITY, 2008 - PRESENT

External review board for scholarship and direction within the sciences at Colgate

MEMBER, ALFRED UNIVERSITY STRATEGIC PLANNING COUNCIL, 2003-2005

University reorganization plan, Middle States Accreditation, Revision of University Mission Statement, Preparation of University Strategic Plan

PRESIDENT, ALFRED UNIVERSITY FACULTY SENATE, 2002 – 2004 AND 2005

Served as Administration/faculty interface, revised faculty governance structure, participated in writing and adopting new faculty handbook, represent faculty to the Board of Trustees, participated as the AU faculty representative in SUNY discussions regarding AU-Alfred State potential merger

UNIVERSITY MEMBER AT LARGE, SEARCH COMMITTEE - ALFRED UNIVERSITY PRESIDENT, 1999

Dr. Charles M. Edmondson advanced for appointment as the 13th President of Alfred University

ADMINISTRATIVE EXPERIENCE – MANAGEMENT

DIRECTOR, PICKER ENGINEERING PROGRAM, 2005-PRESENT

Program Management

- Develop and manage program budget that includes salaries and curricular expenditures along with advancement and public relations support
- Advocate for program needs to senior administration
- Communicate senior administration constraints to faculty
- Collaborate with faculty and staff to plan and schedule all classes, seminars, and studios in engineering, math, physics, and computer science

Faculty Support

- Increase permanent tenure track lines in program
- Ensure faculty code of legislation procedures for all tenure and promotion actions
- Mentor untenured faculty and ensuring teaching observations
- Mentor faculty both in the Picker Engineering Program and in the College-at-Large
- Manage and balance faculty release time and program curricular needs – sabbatical semesters occur once every three years

Staff Support

- Restructure staff lines and support duties, recognizing the need for high level program assessment and accreditation support
- Achieve appropriate budgetary support for staffing needs via modification of FTE allocations
- Increase infrastructure support through external foundations and gifts
- Implement staff performance reviews and ensure that all program staff members view their jobs as meaningful to the success of the program

Resource Management

- Develop equipment budget based on real teaching needs and constraints
 - Obtain infrastructure and equipment support
 - Prepare sole-source justification and purchases IM in equipment in a 1yr. time frame (modern engineering tools)

Accreditation/Assessment

- Document all program activities for archival and ABET purposes,
- Develop and implement ABET assessment process to address program outcomes/criteria
- Implement appropriate survey and feedback mechanisms to evaluate the program educational objectives
- Prepare all ABET materials including the 2009-10 self-study
- Implement both a Math Skills Studio course for all first year engineering students to be taken during the January term and an engineering/physics problem solving course taken the week before classes start (skill building courses in mathematics and problem solving)

Students

- Advise students in the major – confirm all pre-matriculation credits including International Baccalaureate (IB) and Cambridge A levels
- Certify Completion of the Requirements of the Major
- Provide career advising working in concert with Smith's Career Development Office

CHAIR, MATERIALS SCIENCE AND ENGINEERING PROGRAM, NEW YORK STATE COLLEGE OF CERAMICS, 2003 – 2005

Coordinate ABET assessment activities and prepared ABET self-evaluation reports submitted July 2005, faculty evaluations for promotion and tenure review, program research and teaching infrastructure reviews, coordinated teaching assignments

ADVANCEMENT/DEVELOPMENT EXPERIENCE

P.I., BRANTA FOUNDATION (2009) – \$1M for 2 years to the Picker Engineering Program – purchase equipment that will transform the engineering curriculum

PRINCIPAL, SALLY RIDE FOUNDATION FOR WOMEN IN SCIENCE (2007-present) - Worked directly with Foundation to reestablish Smith's involvement in ToyChallenge

P. I., IRAQI WOMEN'S FELLOWSHIP FOUNDATION (2008-present) Collaborator with Mary Oakes Smith Principle of IWFF; Smith is the lead institution among Stanford, Berkeley and UC – San Diego in a program that brings Iraqi women engineers to the US to study and train. Sponsors – US Dept of State, Oversight and selections of students made by the Fulbright Foundation (AMIDEAST).

P.I., FORD FOUNDATION, (2006) \$650K –Gift established to support engineering at Smith

P.I., BECHTEL FAMILY FUND (\$10,000/yr) – Annual gift from Stephen Bechtel (CEO) to support assessment and student activities within the Picker Engineering Program

PRINCIPAL CONTACT, BASS FAMILY GIFT (2008), \$10M – Worked with Smith Development to propose an endowment for the support of Faculty in Bioengineering

P.I., YALE UNIVERSITY (2009 –present) – Establishing an endowment for Graduate Study at Yale University with the support of Henry Schott (CEO-ret.) Lucent Technologies

PRINCIPAL CONTACT, ENGINEERING CORPORATE RELATIONS - Established corporate relationships with Excelon, Google Inc., Apple Inc., Duke Energy, Dow Chemical, Bechtel Corp., Hewlett-Packard and Sally Ride Science.

PUBLIC RELATIONS EXPERIENCE

2008 - 2009

- Dedication and Host – Ford Hall at Smith College, the new home for the Picker Engineering Program. Hosted Nancy Gioia, Director of Hybrid Vehicles Worldwide; Bechtel Foundation; Picker Family, 10/09
- Meeting with Lt. Gov. Tim Murray – STEM Education in Massachusetts, *State Initiatives to Bridge the Gap*, October 2009.
- Panel and Meetings - University of Southern California — Women in Engineering Panel “*Gender and Engineering*” with Provost Max Nikias, sponsored by the Viterbi School of Engineering and Gender Studies, April 2009.
- *INTERVIEW WITH SCIENCE MAGAZINE* regarding the IWFF initiative, La Jolla, CA. May 2009
- *P.R. INTERVIEWS* and Financial Support – MIT/Smith Vehicle Design Summit in India, Summer 2009.

- PANEL -Cal Poly – San Louis Obispo, Dean’s Advisory Board, *Issues in Liberal Education of Engineers*,
- Interview with Kathy Koshland – Associate Provost of U.C. Berkeley regarding book, *Engineering and the Liberal Arts*
- Host SWE Reception - Smith sponsored reception and working group on PEO’s for Picker Engineering Program, Baltimore, MD.
- Presentation to the New York City Club, “Sustainable Design” 117 E. 57th Galleria 54th floor terrace, Guest of Cynthia Meyn Yun ‘86
- INTERVIEW WITH THE CHRONICLE OF HIGHER EDUCATION, “Engineering and the Liberal Arts,” 9/08
- INTERVIEW WITH NATIONAL CROSSTALK, a publication by the Center for Public Policy and Higher Education, 8/08
- INTERVIEW – PROJECT LEAD THE WAY, *Workforce Study*, 8/08
- Meeting with Christine Beshar, Branta Foundation - discussion of Engineering at Smith and needs of the program, August 2008
- INTERVIEW WITH DIVERSITY/CAREERS, “Women in Mechanical Engineering Flourish” 8/08.
- NSF Proposal Review Panel on Engineering Education – Washington DC, 8/08
- Barbara Waugh of Hewlett Packard and Pat Danielle, Seattle University –*Engineering education initiatives*, 8/08.
- INTERVIEW WITH AVIATION WEEK AND SPACE TECHNOLOGY– Bettina Chavanne, “Sea Change: A Nationwide effort to revamp the face of today’s engineering,” 8/08
- Meetings with Brenda Reichelder - SVP Chief Tech. Officer ITT, 8/08
- Presentation -*Engineering as a Liberal Art* , Mellon Foundation supported event Union College, NY, 5/08
- Principal, Executive Advisory Board Meeting for CARBON, Clemson, 4/08
- Opening Remarks at *Engineering and Social Justice and Peace Meeting* at Smith College- Grounded in community, engaged in praxis, 4/08
- Engineering Deans Council Public Policy Meeting , DC – Meetings with State Representatives on Capital Hill, 2/08
- INTERVIEW WITH THE CHRISTIAN SCIENCE MONITOR – “How to attract and keep women engineers”2/08
- INTERVIEW WITH EXCHANGE – publication of the National Council of Examiners for Engineering, “Women’s Colleges provide new paths to the engineering profession,” 2/08

2006 - 2007

- Host, Hewlett Packard Support -Sheri Brodier and John Erikson of Hewlett Packard at Smith College,
- INVITED LECTURE “Engineering in Context” at Montana State Univ., Bozeman, MT, 10/07
- sponsored by the Women’s Faculty Caucus and President Geoffrey Gambel, Montana State University,
- INVITED REMARKS - Ground Breaking – Ford Hall, Presentation with Carol Christ.,
- PRESENTATION - Chicago Smith Club – *Engineering at Smith*, Discussions with Ruth Ann Gillis ’73 V.P. Excelon,
- Panel, Dedication of the Picker Science Institute at Colgate University – Representing the College, 9/07
- Author and Participant - *Mentoring of Engineering Academia*, Banff International Research Station, Sponsored by Stanford University, participation of a national panel, 7/07.
- Professor of the Year Awards -,Prof. Glenn Ellis Picker Engineering Program, Smith College, The Carnegie Foundation for the Advancement of Teaching and Council for Advancement and Support of Education, Willard Hotel - Washington, DC, 4/07
- Host, *Universal Design*, meetings with Valerie Fletcher, Center for Universal Design, Boston 4/07

- Host and Invited Remarks - Judy Olin Higgins '58 – Dinner Event, shepherding the class of '58 gift for the Picker Engineering Program, 5/07
- Meeting with Jennifer Barnes '82, Council for British Petroleum – developing Smith's connection with British Petroleum, 5/07
- Participant, Dinner for Gloria Steinem '66, 5/07
- *INVITED REMARKS*, Conference on Engineering Ethics, “*The Big Dig*,” Joint conference sponsored by Smith College's Department of Philosophy and Picker Engineering Program. 3/07
- Panel, Engineering Dean's Council Public Policy Meeting, Washington, DC “Engineering Colleges: Critical to America's Future”
- Panel on Diversity, American Society of Mechanical Engineers Annual Meeting, Chicago, IL, 10/06
- Host and Financial Support, “*Art of Structural Design*” Prof. David Billington, Princeton University, Museum – Smith College Gallery Opening
- Presentation to Emeriti Trustees including President Mary Maples Dunn in the Alumnae House – Showcasing the Program, 9/06
- Discussions, Advancement Committee to the Board of Trustees, Jane Pearsall '57 Chair,
- Panel, Alumnae Volunteer Conference, Annual Meeting

AREAS OF SPECIAL INTEREST

Engineering Education, the science of learning and the advancement of women and underrepresented individuals in the engineering professions.

HONORS

- 2008 John F. McMahon Award and Lecture – “Engineering in Context”, Alfred University Fellow, American Ceramic Society – Nuclear and Environmental Division
- 2006 Opening Keynote Lecture – International Carbon Societies -*Carbon 2006* – “The Structure of Carbon Solids,” Seattle, WA.
2006 Trendsetter, Listed as one of 50 people, places and events that shaped the world in 2006, in *Public Works, Vol 137, No. 12*.
- 2004 Joseph Krusen Trust Fund Award for Excellence in Teaching
- 2003 McMahon Teaching Award –College of Ceramics, Alfred University
Award for Excellence in Research and Scholarship, State University of New York Research Foundation
- 2002 Brian Kelly Award for Young Investigator In Carbon Science – given to Jane Howe, Ph.D Student, Alfred University
- 2001 McMahon Teaching Award – College of Ceramics
Invited Paper: “The Influence of Carbon on SO_x Emissions from Glass Processing,” J. Am. Ceramic Soc.
- 2000 Ruth Berger Ginsberg Award for Excellence in Teaching
- 1999 SUNY Chancellor's Award for Excellence in Teaching
Mrozowski Award from the American Carbon Society – *Best Paper*
- 1998 McMahon Teaching Award
- 1997 Graffin Lectureship - American Carbon Society
- 1994 Kruson Teaching Excellence Award in Ceramic Engineering

COURSES TAUGHT

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| Engineering for Everyone (First Year Engineering) | <i>Design Clinic – Faculty Coach</i> |
| <i>Materials Engineering Science</i> | <i>Covalent Solids</i> |
| <i>Thermal and Mechanical Properties of Materials</i> | <i>Corrosion and Degradation of Materials</i> |
| <i>Mechanics Laboratory</i> | <i>Structure of Solids (Crystal Chemistry)</i> |
| <i>Composite Design and Fabrication</i> | <i>Introduction to Materials Science</i> |
| <i>Energy, Environment and Materials.</i> | <i>Engineering Materials Laboratory</i> |
| <i>Mass and Energy Balances</i> | <i>Director of Honors in Engineering – Smith College</i> |

PROFESSIONAL SOCIETIES

American Carbon Society: Executive Committee
 American Ceramic Society: Board of Directors, President Ceramic Education Council, Fellow
 Engineering Deans Council - ASEE
 American Society of Engineering Educators –
 Women in Engineering Division,
 Multidisciplinary Division
 Liberal Education Division
 National Society of Black Engineers – Faculty Advisor
 Society of Women Engineers – Representative for Smith College
 Materials Research Society
 Sigma Xi – President of Smith College Chapter 2008 - 09

RESEARCH INTERESTS

- Novel forms of carbon and carbides; synthesis and oxidation behavior
- Synthesis of diamond and diamond oxidation
- High-temperature solid-gas reactions
- Environmental impacts of ceramic and glass manufacturing
- Structural composite materials and fibers: role of structure and chemistry on oxidation and mechanical properties

GIFTS, AWARDS AND GRANTS**Recent Awards**

P.I., Branta Foundation, Gift for Engineering Equipment, Picker Engineering Program at Smith College, 2009. \$1,000,000.

PI, Synthesis of Carbon Nanotubes having large Boron Concentrations, Research Emphasis: I. Nanoscale Materials and Processes, The Center for Hierarchical Manufacturing, an NSF Nanoscale Science and Engineering Center, UMass, 2008, \$15,000*

Co- PI with E. Jamieson, NSF MRI for ICP/AA – Supporting the Center for Aqueous Biogeochemistry, 2008. \$250,000, 2008

Collaborator, U.S Department of State in Iraq – Iraqi Womens Fellowship Foundation, iwff, Fellowship support for 2 Iraqi Women Engineers (awarded), \$200,000.

PI, Bechtel Family Foundation – Aid to Education, \$10,000/year, 2005 -current .

Recently Submitted

Collaborator, NSF - MRI: Acquisition of a High-Resolution Scanning Electron Microscope for a Central Facility Supporting Interdisciplinary Research and Training, with U. Mass-Amherst.

Collaborator, MRI: Smith

Collaborator: Center for Biomathematics at Smith “Geometry of Carbon Nanotubes and Microtubes”– exploring the mathematics of chirality (Linda Jones and Elizabeth Denne), 2009

Completed

Thirty two (32) research proposals funded and completed between 1991 and 2004. Selected significant projects are listed here for an overview. A full list is available upon request. Total Research funding in this period was \$2, 874, 000

Testing and Evaluation of Boron Carbide (B4C) Materials

Phase I - III: Characterization of B4C Samples and Manufacture of Standards

Lockheed Martin: Knolls Atomic Power Laboratory Contract No. DE-AC-12-00SN39357. 2000 - 2003

“Analysis of Emissions Produced during Glass Batching and Melting: A Focus on Nitrate Containing Glasses,” L. E. Jones and A. G. Clare, NSF Industry-University Center for Glass Research, 2000 - 2003

Technical Specification for MR 1016400D Graphitar-14 and P9340 Composite Study, Testing and Evaluation of Physical and Chemical Properties Degradation of Composite Materials Containing PF Resin

Knolls Atomic Power Laboratory, Lockheed-Martin Company, Phase IV, Contract No. DE-AC12-76SN00052, 1999-00

RESEARCH ACTIVITIES – PUBLICATIONS

The work in my laboratory is focused on high temperature corrosion and degradation of structural ceramic materials including carbon-carbon composites and carbides. My interests and analysis techniques have been extended to the study of volatile emissions produced during the manufacturing of glass. I have 81 publications in these areas and have given over 125 national and international presentations. Partial lists are given here.

Books:

Chapter 6. Managing and Evaluating Mentorship, in Mentoring for Engineering Academia II, Proceedings of a Banff International Research Station Workshop, BIRS for Mathematical Innovation and Discovery, 64-75 (2007) ISBN:

Radio and MP3 Pod Casts

Oil, Energy and Policy, with Paul Krugman and Marilyn Brown, WomenMatters.com Spring 2006.

Programs sponsored by the American Association for the Advancement of Science

Why is it? #359 “Hard Diamonds” Mutual Broadcasting’s America in the Morning and ABC News Website: <http://www.ABCNews.com/sections/science>, February 9, 1999

Why is it? #360 "Flawless Diamonds" Mutual Broadcasting's America in the Morning and ABC News Website: <http://www.ABCNews.com/sections/science>, February 11, 1999

Peer Reviewed:

"X-Ray Diffraction of Nuclear Grade Graphite," L. E. Jones and L. Wang, *Carbon*, in press 2009

"The Influence of Aluminum Phosphates on Carbon-Carbon Oxidation," C.R. Maier and L. E. Jones, *Carbon* [43]2272-76 (2005).

"Influence of Boron on the Structure and Oxidation Behavior of Graphite Fiber, PI20" J.Y. Howe and L. E. Jones, *Carbon*, [42]461-67(2004).

"Fourier-Transform Infrared Spectrometry Measurement of Emissions Concentrations from Glass Manufacturing," T.W. Samadhi, L. E. Jones, A. Kropachev, A. Clare, *J. Am. Ceramic Society*, 87[7] 1210-1215(2004).

"The Measurement of Density and Surface Tension of Glass Melts using the Sessile Drop Method," A.G. Clare, A. Kucuk, D.R. Wing and L. E. Jones, In High Temperature Glass Melt Properties Database for Process Modeling, ACerS (2004).

"The Influence of Carbon on SO_x Emissions from Glass Processing" T.W. Samadhi, L.E. Jones and A.G. Clare, *J. of Am. Ceramic Society*, 86[12] 2044-49 (2003).

"Improved Crystallographic Data for Graphite," J.Y. Howe, C.J. Rowe, H. Ow and L. E. Jones, *J. Powder Diffraction*, 18[2] 150-154(2003).

"The Evolution of Microstructure of CVD Diamond Via Oxidation," J.Y. Howe, L.E. Jones and D. N. Braski, *Carbon* [38], 929-41 (2000).

"An Auger and XPS Study of CVD and Natural Diamond," J.Y. Howe and L.E. Jones, *Mat. Res. Soc.*, Vol 593 (2000) 453-58.

"The Formation and Oxidation of BC₃, A New Graphite like Material," D. A. Fecko, L. E. Jones and P. A. Throver, *Carbon*, 31[4], 637-44, (1993).

Proceedings Papers (Extended Abstracts):

"Nitrate Fining and Emissions Produced During Glass Manufacturing," Linda E. Jones
Ceramic Transactions, Volume 207, 255-264
Environmental Issues and Waste Management Technologies in the Materials and Nuclear Industries XII, 2009.

"Structure and Structure-Related Chemistry Chemistry of Boron Rich Carbon Nanofibers and Tubes"
Linda E. Jones, Ling Wang and Briana Tombouljian* - *Novel Structures and Forms of Carbon – Control of Structures and Properties – 4, Paper B092 No.1390, CARBON 2007*

"Crystallization of Boron-rich Crystals from High Temperature Copper Solutions," C.R. Maier and L.E. Jones, 2005 Meeting of Materials Research Society, Boston, MA.

"Quantitative Determination of Free Carbon and Boron in B₄C by Thermal Analytical Methods," C.R. Maier, L. E. Jones, Characterization for Process Control in 21st Century Ceramic Manufacturing,

Symposium 16 Paper AM-S16-21-2003, 105th Meeting of the American Ceramic Society, Nashville, TN, April 27-30, 2003.

“The Structure of Novel Carbon, C6B,” L. Wang and L. E. Jones, *Proceedings Carbon '03*, Published by GEC Spanish Carbon Group, Oviedo, Spain, ISBN 84-607-8305-7, (2003).

RESEARCH ACTIVITIES – PRESENTATIONS

Invited Paper: “Emissions Produced During Glass Melting and Fining,” 8th Pacific RIM Conference on Ceramic and Glass Technology, Vancouver, B.C. , July 2009.

Invited Paper , “What do we mean by Engineering/Liberal Arts Integration?” *Symposium on Engineering and Liberal Education*, Union College, NY May 9-10, 2008.

Invited Opening Plenary Address – International Conference, L. E. Jones “The Structure of Carbon Solids” CARBON 2007 Seattle, WA July 16, 2007.

Linda E. Jones, Ling Wang and Briana Tombouljian* *Smith College and Jane Y. Howe Oak Ridge National Labs* “Structure and Structure-Related Chemistry of Boron Rich Carbon Nanofibers and Tubes” *Novel Structures and Forms of Carbon – Control of Structures and Properties – 4*, B092 1390 July 17, 2007 CARBON 2007, Seattle WA

“Engineering in Context” A Women in the Academy Lecture sponsored by the Women’s Faculty Caucus at Montana State University. Bozeman, MT October 11, 2007.

Linda E. Jones, “X-Ray Diffraction of Nuclear-grade Graphite,” *Energy Symposium: Degradation of Materials for Application in Nuclear Power* The American Ceramic Society 109th Meeting, MS&T, Detroit, MI, September 2007.

“Crystallization of Boron-rich Crystals from High Temperature Copper Solutions,” C.R. Maier and L.E. Jones, 2005 Meeting of Materials Research Society, Boston, MA.

“Quantitative Determination of Free Carbon and Boron in B4C by Thermal Analytical Methods,” C.R. Maier, L. E. Jones, *Characterization for Process Control in 21st Century Ceramic Manufacturing*, Symposium 16 Paper AM-S16-21-2003, 105th Meeting of the American Ceramic Society, Nashville, TN, April 27-30, 2003.

Invited Paper: “Research as an Educational Tool: Insights through the Lens of Carbon Science,” McMahon Symposium Series – Emerging Priorities in Materials Science, Alfred, NY

* Published with undergraduate students