

# 2015 Annual University Conference

*“Assist Individuals in  
Their Quest for Perfection and Eternal Life”*

—BYU MISSION STATEMENT



General Session

Monday, August 24, 2015  
9 a.m., Marriott Center

COVER PAINTING

Treasures of Knowledge: The Sacred and the Secular

An enlightened life is like an intricate treasure hunt, an ongoing quest for knowledge and inspired understanding of the world around us and within us. The search can lead us to an enhanced awareness of the connection between sacred and secular knowledge.

This painting is a metaphor for that journey of discovery. In fact, it is a metaphor full of metaphors. The secret to its value has less to do with the things depicted in the painting and more to do with the way the viewer learns to see them.

Jesus was a master teacher. He used objects as metaphors, analogies, and symbols to teach lessons on many levels and give His followers precious treasures of knowledge—if they were willing to receive them. He used metaphors when He said the kingdom of heaven is *like* a storehouse, a treasury, a sower of good seed, a farmer, a mustard seed, yeast, a merchant, a net, and a king. We can imagine what metaphorical lessons Jesus might teach using seemingly random objects such as those found in this painting. —GREG K OLSEN

*Treasures of Knowledge*, Greg K Olsen (b. 1958), oil on canvas, 52 x 84 in., 2015. A generous gift to the university from Annette and Leo Beus, this painting was unveiled on August 19 in the foyer of the Gordon B. Hinckley Alumni and Visitors Center, where it will be kept on display.

Annual university conference speeches can be accessed at [speeches.byu.edu](http://speeches.byu.edu) and are available approximately four weeks following the conference.

ANNUAL UNIVERSITY CONFERENCE COMMITTEE

Brent W. Webb (administrative advisor), Elaine Alger (assistant to the academic vice president), Jim Kasen (chair), Julie Hatchett, Emily Hellewell, Christine Holliman, Laura Holt, Scott Kavanaugh, Taft Kaze, Ray Lines, Jeff McClellan, Bruce Patrick, Clark Pew, Janae Pickard, Kirk Rich, Will Terrace, and Lois Williams.  
Program design and photography by BYU Publications & Graphics and BYU Photo. Printed by BYU Print and Mail.

Carillon Bells	R. Don Cook
Faculty and Staff Achievements, 2014–2015	Media Presentation
Greetings	President Kevin J Worthen
Invocation	Keith D. Gonzales Chair, Administrative Advisory Council
“A Song for Jennie”	BYU Ballroom Dance Company Alissa Freeman, accompanist
Award Recognition*	President Kevin J Worthen
“How Great Thou Art”	Darrell and Jennifer Babidge Robin Hancock, accompanist
President’s Message	President Kevin J Worthen
Benediction	James D. LeCheminant Cochair, Faculty Advisory Council
Carillon Bells	R. Don Cook

\*Award presentations will take place in the respective college or department under the direction of the dean or director.

***Karl G. Maeser Distinguished Faculty Lecturer Award***

*This award, BYU's most prestigious faculty award, is provided through the generosity of the Karl G. Maeser Scholarship Society. The recipient must have demonstrated clear superiority in both scholarship and teaching.*

**Larry L. Howell**

MECHANICAL ENGINEERING



Larry L. Howell is perhaps the most well-known expert in the field of compliant mechanisms, an area he helped invent and grow to an international discipline. A colleague commented that attending a research conference with him is like hanging out with a rock star after a concert. Everyone knows him and his work, people want him to comment on their latest research, and students approach him with reverence. This respect and admiration is built on Larry's genuine interest in people, his willingness to mentor others, and his sincere desire to have the entire research community move ahead.

A professor and former chair of the Department of Mechanical Engineering, Larry has received numerous recognitions for teaching and research, is a fellow of the American Society

of Mechanical Engineers, and was recently awarded the society's Machine Design Award—the highest honor in the field. He has coauthored more than 200 peer-reviewed papers with over 6,800 citations, is the author of the definitive text on compliant mechanisms, and is a coinventor on 28 patents. Equally impressive is that his work includes more than 80 students as coauthors and 40 students as coinventors. He is completely dedicated to the mission of the university and to developing future engineering leaders. Larry represents the very best of what a BYU faculty member should be.

*Larry L. Howell will deliver the 2015 Maeser Distinguished Faculty Lecture at a university forum assembly. The date and time will be announced.*

***Ben E. Lewis  
Management Award***

*This award recognizes an administrative employee for outstanding management abilities.*

***Fred A. Schwendiman  
Performance Award***

*This award recognizes a staff employee for exemplary contributions to the university through consistent and superior service.*

**R. Scott Elkins**

HUMAN RESOURCES



R. Scott Elkins has provided exceptional service to Brigham Young University for 31 years. He currently works as the managing director of the Employee Relations Office, the Equal Opportunity Office, and the Ecclesiastical Clearance Office. The nature of Scott's job requires him to deal with highly sensitive and difficult situations on a daily basis. He consistently demonstrates tremendous respect for all individuals he works with, and people leave his office feeling that he has treated them well, even if the circumstances of their visit were negative. Not only does Scott display deep respect for others, he shows great integrity, innovation, accountability, and service in all he does. He displays a tireless work ethic, is fully committed to completing key projects and tasks, and consistently sacrifices personal time and other pursuits to meet and exceed expectations.

**Glenn S. Lawson**

PHYSICAL FACILITIES



Glenn S. Lawson has been a data communication systems IT integrator at BYU for more than 32 years. As part of his responsibilities he conducts a systematic review of HVAC (heating, ventilation, and air conditioning), construction design, and sequence of operations for more than 130 buildings, including for BYU, multiple Church facilities, the MTC, and the LDS Motion Picture Studio. He is proactive and assists without being asked. Glenn has provided advanced computer-operations training to increase productivity, has been instrumental in developing a campuswide energy dashboard, and has implemented complex computer-control systems to standardize and optimize the HVAC building-automation systems. The HVAC's resident IT integration guru, Glenn always places the needs of others and the university above his own.



***President's Appreciation Award***

*This award recognizes staff and administrative personnel for exceptional service, creativity, and competence.*

**Sandra L. Alger**

COMMUNICATION DISORDERS

**Gillian M. Chavez**

ATHLETICS

**James A. Dain**

PHYSICAL FACILITIES

**Kenneth R. Robinson**

NURSING

**Karla J. Schmidt**

PERFORMING ARTS MANAGEMENT

**Carrie J. Scoresby**

ECONOMICS

**Karen Seely**

PUBLICATIONS &amp; GRAPHICS

**Shauna B. Valentine**

EDUCATION

***University Professorship***

*This award encourages and acknowledges senior faculty members who are outstanding scholars, teachers, and university citizens. It may specifically recognize excellence in scholarship and creative work or reward superior classroom teaching.*

**Timothy W. McLain**

MECHANICAL ENGINEERING



Timothy W. McLain is a model of how outstanding scholarship can foster exceptional teaching. During his tenure as chair of the Department of Mechanical Engineering, the department improved significantly in both teaching and research measures. He subsequently chaired a committee that developed a new undergraduate curriculum for the department. Tim is presently codirector of a National Science Foundation Industry and University Cooperative Research Center and during the past six years has been the PI or co-PI on \$9.25 million in research grants. He has mentored more than 35 graduate and 50 undergraduate students and produced over 112 scholarly articles. Tim is the coauthor of a well-respected textbook on unmanned aerial vehicles, and his research program has a reputation for producing engineers who are well prepared to be leaders in the unmanned-aircraft industry.

**Adam T. Woolley**

CHEMISTRY AND BIOCHEMISTRY



Adam T. Woolley is an exceptional scholar, teacher, and university citizen. He is an internationally recognized analytical chemist and has been the recipient of many prestigious external and internal awards, including a Presidential Young Scholar Award. He has published more than 125 articles and has been an investigator on grant awards in excess of \$4 million. Adam is a concerned and dedicated teacher who is equally at home teaching 200 or more students in a general chemistry class or mentoring individual undergraduate and graduate students. He is an outstanding member of the university who manages his time effectively and approaches each assignment with enthusiasm and remarkable attention to detail. Adam is a wonderful role model and an important contributor to his department, his students, and BYU.



### *Alumni Professorship*

*This award honors faculty members for teaching excellence. The award carries a three-year stipend made possible by the generosity of the BYU Alumni Association.*

#### **Carl D. Sorensen**

MECHANICAL ENGINEERING



Carl D. Sorensen is an outstanding mentor, teacher, and educational innovator. Over the past 24 years he has developed and sustained the BYU Capstone Program. This two-semester design/build/test program has provided realistic experience for nearly 3,700 students as they have worked on projects sponsored by 260 companies under the guidance of more than 160 faculty and industry coaches. Approximately 40 other universities have created programs based on the BYU model, and many alumni consider Capstone to be one of the courses that most prepared them for their careers. Carl takes a personal interest in his students and challenges them to stretch to reach their potential. In the words of one student, learning in his classes is “a joyous adventure of exploration.”

### *Karl G. Maeser Excellence in Teaching Award*

*This award honors faculty members for outstanding teaching accomplishments and is made possible by the generosity of the Karl G. Maeser Scholarship Society.*

#### **Steven R. Goates**

CHEMISTRY AND BIOCHEMISTRY



Steven R. Goates appropriately balances classroom rigor with reasonable expectations for his students. He believes in empowering students with knowledge, and, as a result, they leave his courses with a recognition of their personal growth and a sense of having been rewarded for their efforts. He encourages students who are struggling and makes concrete suggestions for their progression. Steven has been instrumental in developing curriculum within the department, and, largely through his efforts, new courses have been designed and implemented that better prepare students for their careers. In short, Steven is an exemplary teacher who consistently blesses his students.

### *Karl G. Maeser Research and Creative Arts Award*

*This award honors faculty members for outstanding research and creative accomplishments and is made possible by the generosity of the Karl G. Maeser Scholarship Society.*

#### **Mark E. Davies**

LINGUISTICS AND ENGLISH LANGUAGE



After teaching for 12 years at Illinois State University, Mark E. Davies joined BYU's Department of Linguistics and English Language in 2003. One of his major fields of research, corpus linguistics, involves the use of large, computer-based collections of text to analyze language. Mark has received six large federal grants for projects related to corpus creation and use—four from the National Endowment for the Humanities and two from the National Science Foundation—and he has created several large corpora used by more than 200,000 distinct researchers, teachers, and students from around the world each month. Additionally, he has written six books and more than 70 articles.

#### **Paul W. Richards**

CIVIL AND ENVIRONMENTAL ENGINEERING



Paul W. Richards has developed a well-deserved reputation among students and peers as a master teacher. He has also played a key leadership role in developing teaching and learning excellence throughout the college. As an associate professor in the Civil and Environmental Engineering Department, he teaches courses in engineering mechanics, structural analysis, and seismic design. Despite the challenges of teaching difficult technical subjects, students laud his effective and entertaining approach, his subject expertise, and his caring attitude. In addition to his primary research in earthquake engineering, he has published on topics pertaining to engineering education and has written a textbook on steel design. He has advised more than 30 graduate students and has supported numerous undergraduate students in research. Paul is an outstanding example of achieving teaching excellence while being a fine scholar.

### ***Karl G. Maeser Professional Faculty Excellence Award***

*This award recognizes outstanding achievement in fulfilling professional faculty responsibilities and is made possible by the generosity of the Karl G. Maeser Scholarship Society.*

#### **Lance E. Larsen**

ENGLISH



Lance E. Larsen's appointment as Utah poet laureate (2012–2017) takes him throughout the state teaching writers of all ages and advocating for the arts. The author of four poetry collections, he has published more than 230 poems and 35 essays in top venues, including the *Paris Review*, the *New York Review of Books*, *Brevity*, and a forthcoming Norton anthology. With his artist wife, Jacqui, he is currently collaborating on Three-Mile Radius, a project that celebrates making art where you are. His national awards include a Pushcart Prize and an NEA fellowship. He teaches poetry writing, literature, the short story, and Shakespeare and is thrilled when his one-on-one mentoring lands student work in literary magazines. He currently advises MFA students and has directed several study abroad programs in London and Madrid.

#### **Donald P. Breakwell**

MICROBIOLOGY AND MOLECULAR BIOLOGY



As an accomplished teacher, Donald P. Breakwell encourages students to pursue their scholarly questions, consider new ideas, search deeper, and go to the “next step.” He teaches nearly 20 credit hours each year. Don has been highly involved in microbiology education at the national level through the American Society for Microbiology Conference for Undergraduate Educators. He has published articles about teaching techniques and has served on the editorial board for the *Journal of Microbiology and Biology Education*. In 2009 he was part of a team that established the Phage Hunters Freshman Research Initiative course at BYU. Don has been instrumental in converting students' work into visible outcomes, such as research presentations at conferences, publications of newly sequenced genomes, and manuscripts prepared for publication in research journals.

### ***General Education Professorship***

*This award encourages and acknowledges outstanding contributions to undergraduate general education and honors courses by faculty members who have pursued their scholarly interests and provided services to the university community.*

#### **Jennifer B. Nielson**

CHEMISTRY AND BIOCHEMISTRY



Jennifer B. Nielson is a committed professor who consistently strives to provide a solid educational experience for her students. She is rigorous in her approach to organic chemistry, yet she has learned to present complex material at a level that prepares her students for graduate and professional schools and for careers in nursing and other sciences. She is an active advocate for science education in the community and has initiated a series of hands-on science events at the Provo Library to spark an interest in science in elementary-age children. Jennifer also provided outreach to underserved students and teachers in Uganda by implementing a self-sustaining teacher-education program. She is a wonderful colleague who follows the model of teaching exemplified by Professor Maeser.

#### **Steven G. Wood**

CHEMISTRY AND BIOCHEMISTRY



Steven G. Wood teaches large undergraduate classes in general, organic, and biological chemistry. Both students and colleagues consistently rank him as an outstanding teacher. He has invested hundreds of hours creating online tools to build an understandable tutorial for students learning chemistry, and he obtained a National Science Foundation grant to further develop these tools. This external support allowed him to involve student collaborators, who were instrumental in helping decide which approaches would be the most beneficial to students. These online tools are now important contributors to students' learning. Because of his teaching prowess, Steven is a frequent mentor to new and senior faculty. He is a master teacher who genuinely loves his students and the excitement of teaching chemistry.



***Abraham O. Smoot Citizenship Award***

*This award is presented to university faculty members who demonstrate those qualities of service and personal sacrifice to the university that were exhibited by Abraham O. Smoot.*

**Edward S. Cutler**

ENGLISH



Edward S. Cutler has devoted a large portion of his career to service. He served two terms as chair of the English Department, overseeing 60 full-time faculty members and more than 100 adjunct and graduate student instructors who, combined, teach nearly every BYU undergraduate at some point in their matriculation. His dedication and leadership are reflected in his department's unity, in its shared commitment to the Aims of a BYU Education, and in its culture of fostering, celebrating, and rewarding individual professional success. Ed remains a trusted university citizen and mentor for his colleagues and students. In fall 2015 he will begin an appointment as graduate coordinator for the English MA and MFA programs.

***Wesley P. Lloyd Award for Distinction in Graduate Education***

*This award pays tribute to faculty members of exemplary performance in teaching, research/creative work, and citizenship in graduate education.*

**Donna S. Freeborn**

NURSING



Donna S. Freeborn teaches in the family nurse practitioner graduate program and serves as the program coordinator. She has done much to increase the stature and national ranking of the program. Students applaud her ability to bridge the gap between a textbook and reality, in part due to her ongoing clinical practice at a volunteer healthcare clinic. Students appreciate her high level of organization, teaching acumen, and concern for individual student learning. Donna has a consistent record of serving in national and international nursing organizations and on college and university committees. As a scholar, her primary research focus is on the impact of chronic illness, particularly diabetes, on children and families, and she has produced numerous peer-reviewed publications and presentations.

***Phi Kappa Phi Award***

*This award is presented to faculty members who have achieved excellence in scholarly and creative endeavors, exemplify integrity, and have contributed to BYU through citizenship and service.*

**Thomas A. Wayment**

ANCIENT SCRIPTURE



Thomas A. Wayment joined the faculty of the Department of Ancient Scripture after receiving his PhD in New Testament studies at Claremont Graduate University. He is a master educator whose excellence in scholarship is driven by his love for teaching, and he unselfishly shares his insights as he mentors young faculty and students. As the current publication director of the Religious Studies Center, he cultivates authors, reads every submitted manuscript, edits the *Religious Educator*, and oversees the publication of approximately 10 to 12 books per year. Thomas's 2013 T&T Clark publication, *The Text of the New Testament Apocrypha (100–400 CE)*, and his 2015 Baylor publication, *Christian Oxyrhynchus: Texts, Documents, and Sources*, coedited with Lincoln Blumell, are becoming standard reference works in the field.

***Adjunct Faculty Excellence Award***

*This award recognizes the contributions of part-time faculty members who have demonstrated excellence in teaching or in other professional responsibilities over a period of at least five years.*

**Deborah L. Harrison**

ENGLISH



Deborah L. Harrison has been an adjunct faculty member at BYU since 2001 and has taught close to 100 sections in both the Department of Linguistics and English Language and the Department of English. She is exemplary in every aspect of her work. Students routinely use words such as *engaging, effective, approachable, knowledgeable, passionate, challenging, fair*, and *applicable* to describe her teaching. She has a singular ability to connect with and encourage students. Debbie creates a positive environment wherever she goes, and she exemplifies the words of Matthew 5:16: "Let your light so shine before men, that they may see your good works, and glorify your Father which is in heaven."

### *Religious Education Transfer Professor*

*This award recognizes excellence in providing outstanding teaching in Religious Education outside of a faculty member's discipline.*

#### **Christine M. Isom**

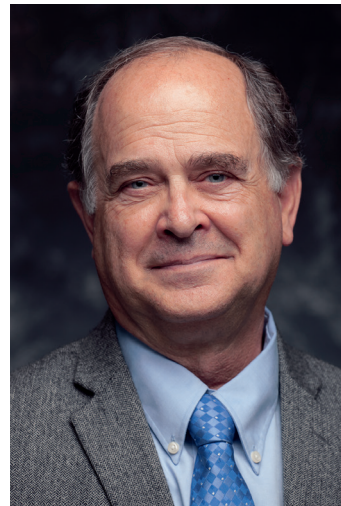
CIVIL AND ENVIRONMENTAL ENGINEERING



Christine M. Isom has been an adjunct professor of Civil and Environmental Engineering at BYU for 21 years. During this time she has taught bridge design to more than 200 seniors and graduate students. She regularly organizes the class into teams of consultants and interacts with them as though they were working professionals. Christine is a principal project manager/senior associate structural engineer for Hatch Mott MacDonald, where she has been involved in design, management, and business development on transportation structure projects in seven states. Locally, she has designed bridges along I-15, I-80, I-215, and Bangerter Highway. Christine has been a valuable resource on BYU research projects sponsored by UDOT and has served in a variety of citizenship roles, including as one of the first advisors to the college's Society of Women Engineers.

#### **Bart J. Kowallis**

GEOLOGICAL SCIENCES



As a consummate university citizen, Bart J. Kowallis has blessed the university community in many ways and has excelled as a professor, student mentor, and administrator. In addition to his assignments within the Department of Geological Studies, Bart has taught family history classes in Religious Education for many years. Although family history is not his "home," either academically or professionally, he is consistently rated as one of the best instructors in that teaching area. He has blessed many students, who appreciate his knowledge and his enthusiasm. His love for and success in teaching within Religious Education serve as an example for other transfer faculty in his college and throughout the university.

### *Alcuin Fellowship*

*This award recognizes outstanding teacher-scholars whose work at the university transcends the limits of their disciplines and who have made significant contributions to the general education and honors curriculums.*

#### **Wade J. Hollingshaus**

THEATRE AND MEDIA ARTS



#### **Matthew R. Linford**

CHEMISTRY AND BIOCHEMISTRY



#### **Megan S. Jones**

THEATRE AND MEDIA ARTS



#### **Samuel M. Otterstrom**

GEOGRAPHY



#### **Richard I. Kimball**

HISTORY





### *Young Scholar Award*

*This award encourages and acknowledges outstanding promise and contributions by faculty members in the early stages of their academic careers.*

**Daniel H. Ess**

CHEMISTRY AND BIOCHEMISTRY



**Michael J. Larson**

PSYCHOLOGY



**Laura P. Walker**

SCHOOL OF FAMILY LIFE



### *BYU Class of 1949 Young Faculty Award*

*This award acknowledges outstanding contributions by junior faculty members. It is made possible by the generosity of the Class of 1949.*

### *Sponsored Research Recognition Award*

*This award recognizes faculty members who demonstrate outstanding achievement in scholarly activities funded by external sponsors or who give significant service in support of sponsored research and creative programs.*

**Jaron C. Hansen**

CHEMISTRY AND BIOCHEMISTRY



**John S. K. Kauwe**

BIOLOGY



### *Technology Transfer Award*

*This award recognizes faculty members who have made significant research contributions that have led to the development of useful commercial products.*

**Steven W. Graves**

CHEMISTRY AND BIOCHEMISTRY



### *Creative Works Award*

*This award recognizes faculty members and university personnel who demonstrate outstanding achievement in the development of creative works that have had wide acceptance and national or international distribution.*

**Rosalind B. Hall**

SCHOOL OF MUSIC



**Ronald J. Staheli**

SCHOOL OF MUSIC



*Teaching and Learning Faculty Fellowship*

*This fellowship recognizes the sacrifice and efforts by the university's support services in providing a transfer of positions and budget to enhance teaching and learning.*

C. Joseph Rowberry Teaching and Learning Faculty Fellowship

**Michael D. Brown**

PHYSIOLOGY AND  
DEVELOPMENTAL BIOLOGY



Steven M. Rose Teaching and Learning Faculty Fellowship

**Christopher D. Dromey**

COMMUNICATION DISORDERS



Lawrence K. Egbert Teaching and Learning Faculty Fellowship

**Kent L. Gee**

PHYSICS AND ASTRONOMY



Douglas K. Christensen Teaching and Learning Faculty Fellowship

**Martha M. Peacock**

COMPARATIVE ARTS AND LETTERS



Edwin Cozzens Teaching and Learning Faculty Fellowship

**Dale R. Tree**

MECHANICAL ENGINEERING



Dean Fairbanks Teaching and Learning Faculty Fellowship

**Colbrin A. Wright**

FINANCE





