

*Thirty-Fourth Annual*  
**American Mining Hall of Fame**



**Awards  
Presentation**  
BANQUET & FUNDRAISER



Saturday, December 3<sup>rd</sup>, 2016  
JW Marriott Starr Pass Resort & Spa, Tucson, Arizona

# Program

6:00 p.m.

RECEPTION

7:00 p.m.

BANQUET

8:00 p.m.

CEREMONY

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Welcoming Remarks:	<b>EBEN ROBINSON</b> , PRESIDENT, MFSW
Introduction of Honorees and Honored Guests:	<b>EBEN ROBINSON</b>
Awards Opening Remarks:	<b>TOM ALDRICH</b> , VICE PRESIDENT, MFSW
Presentation of Inductees From Mining's Past BY TOM ALDRICH:	<b>MARCO CHIAPPONI</b> (1854-1929)  <b>THEODORE JESSE HOOVER</b> (1871-1955)  <b>ROBERT BOGART</b> (1923-2002) ACCEPTED BY HIS DAUGHTER & SON, PAM APPOLINA & BOB BOGART, JR.  <b>MAURICE C. FUERSTENAU</b> (1933-2012) ACCEPTED BY HIS SON, JEFF FUERSTENAU
Presentation of Medal of Merit BY TOM ALDRICH:	<b>WILLIAM R. ASSENMACHER</b>
Presentation of Medal of Merit Under age 40 BY TOM ALDRICH:	<b>JUSTIN CROSS</b> <b>MICHELLE LAMMERS</b>
Presentation of Industry Partnership Award BY TOM ALDRICH:	<b>WESTLAND RESOURCES</b> ACCEPTED BY JAMES A. TRESS, JR., PRESIDENT & CEO
Presentation of Special Recognition BY EBEN ROBINSON:	<b>THE WOMEN'S AUXILIARY TO THE AMERICAN INSTITUTE OF MINING, METALLURGICAL AND PETROLEUM ENGINEERS INC. (WAAIME)</b> ACCEPTED BY BARBARA FILAS, CHAIR, WAAIME DIVISION OF SME
Grand Door Prize:	<b>EBEN ROBINSON</b>
Presentation of Inductee BY TOM ALDRICH:	<b>OSCAR GONZÁLEZ ROCHA</b>
Featured Address:	<b>OSCAR GONZÁLEZ ROCHA</b>
Adjournment:	<b>EBEN ROBINSON</b>



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# Mining Foundation of the Southwest

**T**he Mining Foundation of the Southwest (MFSW) was incorporated in 1982 by combining the Mining Club of the Southwest and the Mining Club of the Southwest Foundation. The purpose of the Foundation is to promote the value of the industry to our community and profession to ensure its future success.

Funds generated through membership and the annual banquet are earmarked to support our mission. MFSW, working in conjunction with the Lowell Institute for Mineral Resources at the University of Arizona, underwrites the Outreach Program Coordinator position currently held by Pamela A. K. Wilkinson, a geologist and an educator.

At its annual fundraiser, the American Mining Hall of Fame honors the achievement of industry leaders. Including

the 2016 inductees, 211 mining luminaries and organizations have been inducted and some commemorative plaques of past honorees are on display at the Arizona Historical Society Museum at 949 E. 2nd Street in Tucson.

## Mining Foundation of the Southwest



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### *2016 Hall of Fame Committee*

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## Oscar González Rocha

PRESIDENT & CEO | AMERICAS MINING CORPORATION



**Oscar González Rocha** was born in Mexico and earned his degree in Civil Engineering from the Universidad Nacional Autónoma de México (UNAM), was awarded an honorary Doctors degree from Universidad Nacional de Ingeniería (UNI) in Peru, and was named an Honorary Professor of the Pontificia Universidad Católica del Perú.

González Rocha has been with the mining industry since 1976 and has held numerous positions with construction companies throughout Mexico and the United States. As Director General of Mexicana de Cobre S.A. de C.V. and Mexicana de Cananea S.A. de C.V., both wholly-owned by Grupo Mexico S.A. B. de C.V., González Rocha was in charge of developing the “La Caridad” and “Cananea” metallurgical projects in Sonora, Mexico until late 1999.

After Grupo Mexico acquired ASARCO in late 1999, González Rocha was subsequently appointed President, Chief Operating Officer and Director of Southern Peru Copper Corporation. In 2002, González Rocha became a Director of Grupo Mexico, and in 2004, became the President and Chief Executive Officer of Southern

Copper Corporation. His duties continued to multiply and he was named Chief Executive Officer of the Southern Copper Corporation and a Director and CEO of ASARCO in August 2010. Recently González Rocha was appointed President and Chief Executive Officer of Americas Mining Corporation, a holding company of Grupo Mexico.

The Copper Club Inc. has been bestowing the prestigious Ankh Award to its “Copper Man of the Year” since 1962 to those professionals who have forged pathways in the copper industry with extraordinary contributions while simultaneously paving new paths for students seeking careers in the industry. In 2015, González Rocha was selected for the Ankh Award for his “exemplary leadership in Southern Copper Corporation as well as his steadfast support of the industry throughout his career.”

González Rocha, well respected within the mining sector, freely offers his remarkable acumen in business and mining matters to guide other organizations. He was the first Mexican citizen to have been elected as the Chairman of the American Institute of Mining Engineers (AIME), Tucson. González Rocha is currently serving as Director on many boards: the Peruvian National Society of Mining, the National Society of Industries, the American Chamber of Commerce, the Tecnológico de Monterrey, the Peruvian Cancer Society, the Club de la Banca y Comercio, as well as Chairman of the Board of Inversiones Tulipán S.A. and Compañía Minera Los Tolmos S.A., both subsidiaries of Southern Copper Corporation, among others.

González Rocha is married to Mrs. Ruth Barron de González and they have two daughters and four sons, all with professional degrees.

## Marco Chiapponi (1854-1929)

ITALIAN ENGINEER



**Marco Chiapponi** was an Italian Mining Engineer who immigrated to Chile and played a crucial role in the resounding success of the Braden Mine, better known as El Teniente.

In the late 1890's Chiapponi examined some inactive mines in the Andes for the Concha y Torro family. When advised of the cost to bring into production, they hired Chiapponi to sell the property. Chiapponi approached William Braden in 1903. Capital was raised and the Braden Copper Co. started developing the deposit. Braden received founder's shares which he split with Chiapponi.

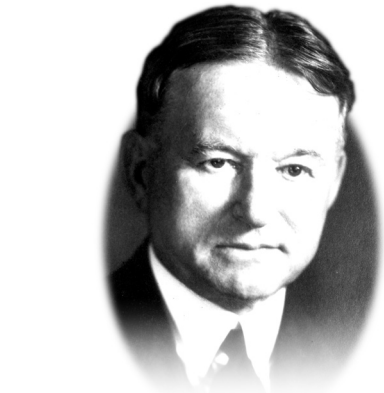
Chiapponi played a major role in the development of the mine. He was contracted to build a road connecting the mine with the railroad and also in freighting equipment to the mine. Over 1000 men were employed in this endeavor. By 1906, the concentrator started production. Production slowly expanded and it was apparent a railroad would be needed. To get additional capital, Braden sold out to the Guggenheims in 1910.

As expansion proceeded, mill recoveries became a serious problem, falling under 50%. Confident that low grade ores could be processed, Chiapponi's last, and perhaps most important act was to suggest to Braden to send ore samples to Minerals Separation Co. in London for testing. These tests were successful, and Braden became the first mine to successfully use flotation for concentrating copper.

Chiapponi returned to Italy before his death in 1929, leaving remarkable achievements including the development of the world's largest copper mine and the successful application of copper flotation.

## Theodore Jesse Hoover (1871-1955)

AMERICAN MINING ENGINEER, CONSERVATIONIST AND EDUCATOR



**Theodore Jesse Hoover**, the older brother of President Herbert Hoover, graduated from Stanford University in 1901 with a BA degree in Geology and Mining.

Hoover's professional career began as an assayer at Keystone Consolidated Mining Company. A year later he joined Standard Consolidated Mine as an Assistant Manager where he successfully applied the Moore Slimes Process in recovering gold from slimes. This made Standard Consolidated financially strong and Hoover was promptly promoted to Manager.

In 1907, Hoover became the General Manager of Minerals Separation, Ltd. in London, a firm founded to buy and license the new froth flotation process to recover minerals from ores. He directed the firm for over four years, and had a large influence in the design and development of a very successful flotation machine.

Hoover then became successful as an international consultant, engineer or administrator of many mining companies in Asia, Australia, Europe, Africa and America. He was the author of *Concentrating Ores by Flotation* (1912), *Economics of Mining* (1933), and *The Engineering Profession* (1941) and of numerous technical articles.

In 1919, Hoover returned to Stanford. He was the principal guide in the formation of the School of Engineering and served as Dean of the Department from 1925 until his retirement in 1936. Under Hoover's leadership, Stanford developed a strong engineering curriculum.

Equally revered as a naturalist, Hoover was a founding member of the Cooper Ornithological Society. Hoover Lake in Santa Clara County and the Theodore J. Hoover National Preserve in northern Santa Cruz County, both in California, were named in his honor.

**Robert Bogart** (1923-2002)

VISIONARY GENERAL MANAGER | BAGDAD COPPER COMPANY



**Robert Bogart** graduated High School in Globe, Arizona. His strong background in math and surveying enabled him to get a job as Assistant Engineer at the Hillside Mine in 1941. He then joined Bagdad Copper Company as a surveyor but left in 1944 to join the armed services. On his discharge in 1946, Bogart rejoined the company while enrolled in correspondence courses in Civil Engineering.

After being appointed Assistant General Manager, one of his first acts was to institute long range mine planning. More responsibility and promotions followed. Upon the merger of Bagdad with Cyprus Mines in June of 1973, Bogart became Assistant General Manager and Vice President of the new Bagdad Copper Co. By October 1973, he was promoted to General Manager, a position he held until his retirement.

Bogart, in his 39 years spent at Bagdad, consistently demonstrated superb engineering skills overseeing major expansions in 1973 and again in 1979. His most significant accomplishment was championing, pioneering and implementing the Solvent Extraction/Electro Winning process. Bogart successfully supervised a team to build a pilot plant at Bagdad which proved the process viable. In 1970 a full scale plant came on stream and paved the way for this cost efficient method of recovering leachable copper to become the industry standard adopted throughout the world. Bagdad now has the distinction of having the world's oldest operating SX-EW operation.

During Bogart's tenure, Bagdad always operated with the highest morale, consistently achieving optimum efficiency and productivity. In 1990 Bogart authored the book *Some Talk about a Copper Mine: A History of Bagdad, Arizona*.

**Maurice C. Fuerstenau** (1933-2012)

PROFESSOR EMERITUS OF METALLURGICAL ENGINEERING



**Maurice C. Fuerstenau** earned his B.S. in Geological Engineering from the South Dakota School of Mines and Technology, and received his M.A. and Sc.D. in Metallurgy from the Massachusetts Institute of Technology.

Known internationally in the areas of froth flotation, hydro-metallurgical processing and environmental remediation, Fuerstenau's storied teaching career began at the Colorado School of Mines in 1963 followed by a brief appointment at the University of Utah. For the ensuing 18 years spent at the SDSM&T, he was Head of the Department of Metallurgical Engineering and was honored by SDSM&T with the Presidential Award in 1979, the Guy March Silver Medal in 1998, and the Distinguished Alumni Award in 2004.

Fuerstenau joined the University of Nevada, Reno in 1988 as Echo Bay Mines Distinguished Professor and was named Foundation Professor in 1996, Professor Emeritus in 2005 and was the Senior Mentor Award recipient in 2002. Fuerstenau was further granted the Newmont Endowed Professorship in Minerals Engineering in 2010, the highest honor UNR can bestow on its faculty.

A consummate educator, Fuerstenau always challenged his students to reach their potential. He published 125 technical papers and edited numerous books. *Principles of Mineral Processing*, published in 2003, remains an industry standard and his research accomplishments are referenced extensively. He was awarded three patents, was elected to the prestigious National Academy of Engineering in 1991 and the South Dakota's Hall of Fame in 2006. Fuerstenau was President of SME in 1982 and received the SME Distinguished Member Award as well as countless other recognition awards.



## William R. Assenmacher

CEO | CAID INDUSTRIES, INC.



**Assenmacher** was born in Monroe, Michigan and received a Bachelor of Science degree in Mechanical Engineering from the University of Arizona in 1974. While at the university he was enrolled in a work study program and worked 2 years with Pan Am and 8 months with Santa Fe Railroad. Assenmacher started with CAID Industries part-time as a fifth year senior in 1973. One year later, upon graduation, he decided to stay and to buy out Bob Caid over a 10 year period.

In 1982, Assenmacher was named President & CEO of CAID Industries, Southern Arizona's largest industrial metal fabricator serving local and international mining customers. CAID Industries is headquartered in Tucson, Arizona with locations in Logan, Utah and Calama, Chile serving the various mining clients, especially smelters and SXEW plants. The CAID family had roots in mining dating back to 1927 as a firm called Hearn & Caid (1927-1947).

The firm under Assenmacher's direction grew from a one million dollar firm in 1974 to an annual sales volume of over \$50MM, with 250 people in the U.S. and 40-50 working in South America. The firm has recently added industrial robotics and automation as well as fluid solutions as business units for its global customers. The firm will be celebrating 70 years (2017) in business as CAID Industries.

In addition to his role at CAID, Assenmacher is the Chairman of Commerce Bank of Arizona, the only locally owned community bank and U of A Tech Parks Global Advantage Partner. Assenmacher has always been an active community advocate for mining and other business development opportunities and is heavily immersed in the Tucson community as evidenced by his involvement not limited to 162nd Fighter Wing Air Guardians, DM50 Member, AMIGOS Board Member, City of Tucson Planning & Development Services Advisory Committee, Centurion Foundation Board Member, Southern Arizona Business Coalition (SABC) Founder, Southern Arizona Leadership Council (SALC) Member, State of Arizona Governor's Workforce Arizona Council, Tri State Sheet Metal Workers Pension Plan Trustee & Finance Committee Chairman, Tucson Airport Authority Board Member, Tucson Metro Chamber Air Service & Business Development Chairman, Tucson Metro Chamber Board Member.



**Justin Cross**

GENERAL MANAGER, BAGDAD OPERATIONS | FREEPORT-MCMORAN INC.

**Justin Cross** currently serves as the General Manager of Freeport-McMoRan Bagdad Operations. After graduating, Cross began his career with Freeport-McMoRan as a Rhenium Production Supervisor at Sierrita Operations in 2006. Since then, Cross has worked in a variety of operations and maintenance roles at various Freeport sites. He became the Hydrometallurgical Manager and a member of the Morenci Senior Leadership Team in 2012 at age 31. In 2014 Cross became Manager of Haulage at Morenci leading a department of 600 people. Cross assumed the role of General Manager of Bagdad Operations in 2016.

Cross defines success as being a part of high performing teams, regardless of his role. The opportunity to contribute to large scale mining operations and work side by side with people dedicated to meaningful work have been the biggest rewards of his career.

Cross has championed advances in the mining industry through several key initiatives, including new product commercialization serving the solar and specialty alloy industries and large scale cathode quality improvement efforts. The cathode quality initiatives allowed Morenci to achieve LME certification for its three electrowinning tankhouses and led to best practice and cathode quality improvement across Freeport-McMoRan's hydrometallurgical operations.

Contributing to improvements more locally has also been a focal point for Cross. During his time as Manager of Haulage, Cross' department led the charge in optimizing haulage efficiency while meeting increased mill ore requirements of Morenci's recently expanded mill as it went



from 55 to 125ktpd. His passion for enhancing development opportunities for young mining professionals contributed to notable results in the development of the internship program and improvements in the onboarding of young professionals.

A native of Tucson, Arizona, Cross received bachelor and master's degrees in Metallurgical and Materials Engineering from the Colorado School of Mines. He is a strong supporter of SME, serving as the Morenci Section chair for 3 years. During that time he led the organization in recruiting members across a spectrum of careers and fostered a positive environment for mentoring and career development for members.

Cross graduated from Canyon del Oro High School in Tucson, where he met his wife, Shawna Raikes, during his Junior year. They are the parents of 3 young daughters and currently reside in Bagdad, AZ.

## Michelle Lammers

CORPORATE MANAGER OF DEVELOPMENT PROJECTS & SERVICES | ASARCO LLC



**Michelle Lammers**, following her father's footsteps, attended the South Dakota School of Mines & Technology and received her Metallurgical Engineering degree in 2001. She was a member of the Mining & Mucking Team and was on the only all-women's team ever fielded by SDSM&T. In her last year of participation in the annual Intercollegiate Mining & Mucking Competition, the team won first place in jackleg drilling.

Upon graduation, Lammers was immediately hired by ASARCO as a Control Room Supervisor in the North and South Mills at the Mission Complex. Within 2 years, she was transferred to the Ray Complex as Supervisor over the Concentrator and the L-SX-EW (Leaching-Solvent Extraction-Electrowinning) processing plant. She was named the Acting General Maintenance Supervisor in 2004 and was awarded the official title in 2005, a position rarely given to Metallurgical Engineers. In 2007, in addition to serving ASARCO's Ray Complex as the General Maintenance Supervisor, Lammers was given additional responsibilities as Acting General Operations Supervisor. Under

her leadership, the plant met all its safety, production and cost goals.

Lammers continued her upward career path and was named the General Operations Supervisor at the Ray Concentrator in 2008. At the age of 31, she returned to the Mission Complex and became the Manager of the South Mill in 2010. During her tenure there, Lammers was also tasked with the responsibility of overseeing the South Mill Expansion Project. Again, she exceeded expectations increasing production by 33% and recapturing its capital investment within a short time. After spending three years at Mission, she was assigned to the Tucson Headquarters to her current position as Corporate Manager of Development Projects & Services overseeing multi-million dollar expansion from concept through construction. The Hayden Converter Retrofit Project and the Silver Bell Mammoth Heap Leach Facility are among her current responsibilities.

Born in Fresno, CA, Lammers was a scholarship varsity basketball player at SDSM&T and played on the squad reaching the NAIA Final Four! The 1997-98 Lady Hardrockers basketball team with the 28-4 season, setting records with most points in a game (104) and with the highest season scoring average (81.0), unbroken to this date, and was inducted into the SDSM&T's Hall of Fame in 2015.

Lammers has spent her entire working career at ASARCO and is an active SME member.

## WestLand Resources, Inc.

WestLand Resources, Inc. (WestLand) was started in February 1997 in Tucson, Arizona by three young professionals who aspired to provide superior environmental and engineering consulting services. From the start, the company culture was defined by scientific integrity, technical excellence, and passion for the work. By the end of 1997, the company added nine employees, and counted several major Arizona mining entities among their earliest clients. Mining has been an integral component of WestLand from the earliest days of the business, and remains so today. Currently, WestLand has over 120 employees serving clients from offices in Tucson, Phoenix, and Flagstaff, and project offices in Globe and Ft. Defiance.

In 1986, prior to founding WestLand, President and CEO Jim Tress received his first assignment for Phelps Dodge, and obtained his first Clean Water Act Section 404 permit for the Asarco Ray Mine in 1991. His career has taken him to mine sites throughout the southwest during WestLand's 19-year history. Many of WestLand's senior leadership team also serve the mining industry, in a variety of environmental and engineering disciplines, including Brian Lindenlaub, Environmental practice lead; Mark Taylor, Water/Wastewater Engineering practice lead; and Fred Huntington, Director of Cultural Resources.

Kathy Whitman, founder of Whitman & Company, began her career at Bridger Coal Company in Rock Springs, Wyoming in the 1980s, before moving to Globe, Arizona, to work for Magma Copper Company. In 2001, Whitman & Company joined WestLand, bringing a new level of mining related environmental expertise to the firm. Whitman was an important part of the senior leadership team, and a well-respected environmental professional in the mining industry until her passing in 2012.

WestLand has been responding to the engineering, environmental, and regulatory challenges facing mining entities for nearly 20 years, and has worked with the majority of the major hard rock mining entities in Arizona and New Mexico, as well as sites in Utah, California, Colorado, Nevada, and Ohio. The company's engineering and regulatory permitting professionals have a long history of providing support and solutions for the complex environmental and engineering challenges associated with mining projects.

Just as WestLand has played an important role in assisting mining companies with environmental compliance and engineering challenges, the mining industry has played a vital role in WestLand's growth and evolution. We at WestLand are proud of our history working with mining operations and look forward to a long and beneficial continuing partnership.



# WAAIME

## The Women's Auxiliary to the American Institute of Mining, Metallurgical and Petroleum Engineers Inc.

The Women's Auxiliary to the American Institute of Mining and Metallurgical Engineers was founded in 1917 with a mission to serve its country and communities with respect to the mining and energy industries. Yet in the early days, the Auxiliary found itself responding to any crisis – from funding gear for soldiers fighting abroad during World War I, to scholarship programs aimed at helping immigrant and underprivileged young people obtain and complete an education. In its first 10 years, the organization grew to be 1,400 members strong, with ten sections and an increasing focus on social and educational work.

Over the years, WAAIME has grown to have a presence not only across the United States, but also in several foreign countries. Its investment portfolio, which is predominantly restricted to scholarship distributions to deserving students and worthy education and outreach initiatives, has grown into a multi-million-dollar portfolio. Scholarships are typically offered in such disciplines as mining, geosciences, metallurgy and materials sciences, petroleum engineering, mineral economics, chemical engineering and related disciplines.

In 2008, WAAIME merged with the Society for Mining, Metallurgy and Exploration Inc. and now functions as the WAAIME Division of SME. Through members' imagination, dedication and persistence, the WAAIME scholarship fund is now one of the most widely-recognized educational funding sources in the mining and earth science industries. The number and amount of scholarships distributed annually to students varies based on the funds available and by the financial needs of the applicants. In recent years, about a quarter-million-dollars in scholarship money has been distributed to more than one hundred students each year. These students are attending universities both within and outside the United States. With a 100-year track record of scholarship and community service, a great number of today's mining, metallurgical and energy professionals can attribute some of their opportunities and successes to the generous support of WAAIME.



# American Mining Hall of Fame

## Inductees (1983-2015)

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1983	George E. Atwood	2000	Ronald C. Cambre
1984	Charles F. Barber	2001	A. Dan Rovig
1985	George B. Munroe	2002	J. David Lowell
1986	John C. Duncan	2003	Thomas J. O'Neil
1987	Plato Malozemoff	2004	J. Steven Whisler
1988	Simon D. Strauss	2005	Pierre Lassonde
1989	G. Robert Durham	2006	Jack E. Thompson, Jr.
1990	Harry M. Conger	2007	Dennis R. Washington
1991	Kenneth J. Barr	2008	Timothy R. Snider
1992	T.S. Ary	2009	Tom Albanese
1993	Milton H. Ward	2010	Richard C. Adkerson
1994	J. Burgess Winter	2011	Laurence Golborne Riveros
1995	Douglas C. Yearley	2012	Gregory H. Boyce
1996	Richard de J. Osborne	2013	James D. Toole
1997	James R. Moffett	2014	Armine Frederick Banfield, Jr.
1998	Charles G. Preble	2015	Conrad Huss
1999	Irl F. Engelhardt		



## Industry Partnership Awards (1995-2015)

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1995	Caterpillar, Inc. - Glen A. Barton
1996	AMIGOS (Arizona Mining & Industry Gets Our Support)
1997	Colorado School of Mines
1998	Stephen D. Bechtel, Jr. and Bechtel Corporation
1999	Mineral Information Institute
2000	Modular Mining Systems, Inc.
2001	Mintec, Inc.
2002	Senator Larry Craig
2003	Aker Kvaerner
2004	Mining and Metallurgical Society of America
2005	Northwest Mining Association
2006	Mountain States Legal Foundation
2007	M3 Engineering & Technology Corporation
2008	Atlas Copco Construction Mining Technique USA LLC
2009	Boart Longyear Company
2010	Prospectors and Developers Assoc. of Canada
2011	Chilean Government/Industry Partnership
2012	Komatsu America Corp.
2013	Joy Global
2014	Empire Southwest
2015	InfoMine

# American Mining Hall of Fame

## *Medal of Merit Recipients (1989-2015)*

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1989	Ralph J. Roberts	2003	Stanley H. Dempsey
1989	Victor H. Verity	2003	James Wm. White
1990	John S. Livermore	2004	Edward S. Frohling
1991	George O. Argall, Jr.	2004	Joaquin Ruiz
1992	Arthur A. Brandt	2005	Larry McBiles
1992	William C. Epler	2005	Wayne C. Hazen
1993	Walter E. Heinrichs, Jr.	2006	Leonard R. Judd
1993	Willard C. Lacy	2006	Roshan B. Bhappu
1994	Donnell W. Agers	2007	William G. Davenport
1994	J. David Lowell	2007	Harry Parker
1994	Ronald R. Swanson	2008	Barbara A. Filas
1995	Warren Kay Pincock	2008	Paul Arthur Hodges
1996	Richard W. Hutchinson	2009	Mary M. Poulton
1996	Charles L. Pillar	2009	Jean Michel Rendu
1997	Hugo T. Dummett	2010	Terence P. McNulty
1997	Spencer Rowe Titley	2010	Nyal Niemuth
1998	David N. Skillings, Jr.	2011	Marco T. Einaudi
1998	José Rubén Velasco Rodríguez	2011	Ralph B. Sievwright
1999	Paul S. Allen	2012	David C. Lincoln
1999	William C. Peters	2012	Matthew D. Lengerich
2000	Leonard Harris	2013	Joseph M. Keane
2000	Pedro Sánchez-Mejorada	2013	Sean D. Dessureault
2001	William H. Dresher	2014	Corale L. & James A. Brierley
2001	Warren E. Fenzi	2014	David E. Nicholas
		2014	Scott M. Shields
2002	Richard D. Call	2015	Charles Michael (Mick) Lownds
2002	Kenneth L. Zonge	2015	Fiorella Giana

# Mining Foundation of the Southwest

## ***Officers***

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Eben Robinson - *President*

Tom Aldrich - *Vice President*

Andrew Soderman - *Secretary*

John Fenn - *Treasurer*

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---

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Jean Austin

Mark Baker

Roshan B. Bhappu

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Donald F. Earnest

Theodore H. Eyde

Nancy Gracia-Gungor

William E. Hawes

Corolla (Cori) Hoag

Martin C. Kuhn

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Nyal Niemuth

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## ***Honorary Board Members***

---

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Michael Canty

Walter E. Heinrichs (deceased)

Marvin A. Hustad

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Jack E. Thompson

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Timothy R. Snider

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Terry McNulty

Daniel H. Neff

Thomas Scartaccini

Mark Sutton

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David Travis

J. Steven Whisler

William H. Wilkinson

## ***Silver Members***

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Jean Austin

Roshan B. Bhappu

R. Gene Dewey

Donald F. Earnest

Barbara Filas

Nancy Gracia-Gungor

John C. Lacy

Brian Norton

A. Dan Rovig

James Stephens

John Van De Beuken

Susan Wick

Pamela A.K. Wilkinson

## ***In Memoriam***

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Conrad E. Huss

M. Lee Allison





*MFSW Outreach Coordinator*  
PAMELA A.K. WILKINSON  
Lowell Institute for Mineral Resources  
The University of Arizona  
pkwilkinson@email.arizona.edu

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### SPECIAL THANKS

The American Mining Hall of Fame Committee of the Mining Foundation of the Southwest wishes to thank Modular Mining Systems, Inc. for its continued support in overseeing the production of this program.



**MODULAR**