

The Arch

A magazine of the SD Mines Foundation





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The Arch Magazine is produced collaboratively by the SD Mines Foundation and the office of University Relations.

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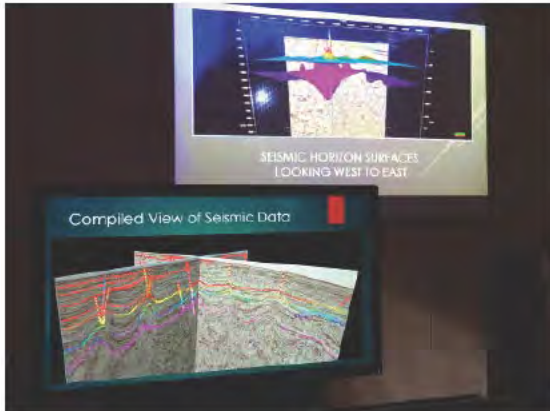
Contributors

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All academic and athletic scholarships at SD Mines come from the sole support of private donors.



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Dear Friends:

For the past ten years I have had the pleasure of serving on the Foundation Board of Trustees and as the Board Chair for the past five. I am proud to be a part of this vibrant organization that supports the South Dakota School of Mines & Technology. Through scholarships for students, professional opportunities for faculty, and new and upgraded facilities, the Foundation helps promote excellence across the university. We also recognize the responsibility to keep you informed of the work of the Foundation.

I hope you enjoy *The Arch*, the Foundation's newest publication, created to connect you with stories from campus and keep you informed about the great things philanthropy provides to make SD Mines an exceptional university. This edition features the importance of scholarships and how they can change lives for the better for Mines students.

Scholarships are a cause my family strongly cares about. We have seen first-hand the impact scholarships make. As the Foundation gears up its fundraising efforts, I encourage you to help change lives and consider giving toward scholarships.

Over the school's lifetime, the campus has seen many impactful changes, and I am optimistic as we look toward the future while continuing the Hardrocker traditions we all care about. The School of Mines would not have its prestigious reputation without the generosity of our alumni and friends.

Thank you for all you do to support the School of Mines.

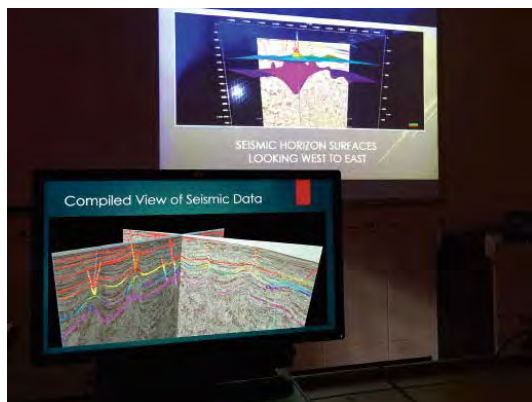
A handwritten signature in black ink that reads "Lorin L. Brass". The script is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Lorin Brass, Chair

Foundation Board of Directors

Schlumberger Gift

Bolsters Student Research



Immersed in his work at a well-worn desk in the reservoir and modeling laboratory of the Mineral Industries Building, Umit Yildiz toggles through a series of colorful three-dimensional images on the computer screen.

Masked behind the technology hardware in the otherwise non-descript wood-paneled lab lies industry-grade software worth \$172 million, a gift from industry-leading oilfield services company Schlumberger.

The geology doctoral student is working with the three-dimensional data to interpret seismic horizons, structural features, and hydrocarbon indicators from the area around the Cherokee Rim, Greater Green River Basin of Wyoming.

While Yildiz's research is scientific, results of his work could ultimately help petroleum engineers learn how features such as naturally-occurring fractures impact hydrocarbons. "I needed industry leading, state-of-the-art software such as Petrel to interpret the data. Without it, I couldn't do this type of research," said Yildiz, who plans to eventually produce

a three-dimensional structural model to help better understand the hydrocarbon migration mechanisms near Cherokee Rim.

Last fall Schlumberger, a longtime supporter of SD Mines and employer of over thirty graduates, gave the commercial oil and gas software gift to the South Dakota Mines to strengthen its Energy Resources Initiative.

The software is being used in courses to support the new Petroleum Systems Minor and Graduate Certificate program, as well as research and existing petroleum-related curricula. Courses include the Petroleum Field Camp, Petroleum Production and Drilling Engineering, and Petroleum Geology.

The donation includes three-year leases of the Petrel E&P software platform and other software platforms that can be used to interpret seismic data, correlate well logs and build reservoir models and maps, as well as software to analyze wells for surveillance and forecast modeling, and to simulate flow for oil and gas production. In all, twelve software technologies are included in the package.

"Close partnerships with industry are a very important part of Mines' success. We very much appreciate this software gift from Schlumberger and we look forward to using it to the fullest," said SD Mines President Heather Wilson.

In addition to being important tools for faculty research, hands-on use of commercial-grade software enhances graduating students' job prospects.

Placer Hall

Construction on Placer Hall is progressing on schedule. The new residence hall, located at the corner of East Saint Joseph and Maple Streets, will be completed in time for students to move in for the fall 2016 semester. The six-story building will offer 51 suite-style units (housing 200 students), each with a living room, private bathrooms and bedrooms. Community lounges, kitchens and group study spaces will be located throughout the building.

Increasing housing on campus is a high priority in the SD Mines strategic plan to support the anticipated growth in student enrollment over the course of the next five years. Placer Hall will add to the other three traditional residence halls on campus and two university-leased apartment buildings adjacent to campus providing 865 beds for students.





BE THE DIFFERENCE

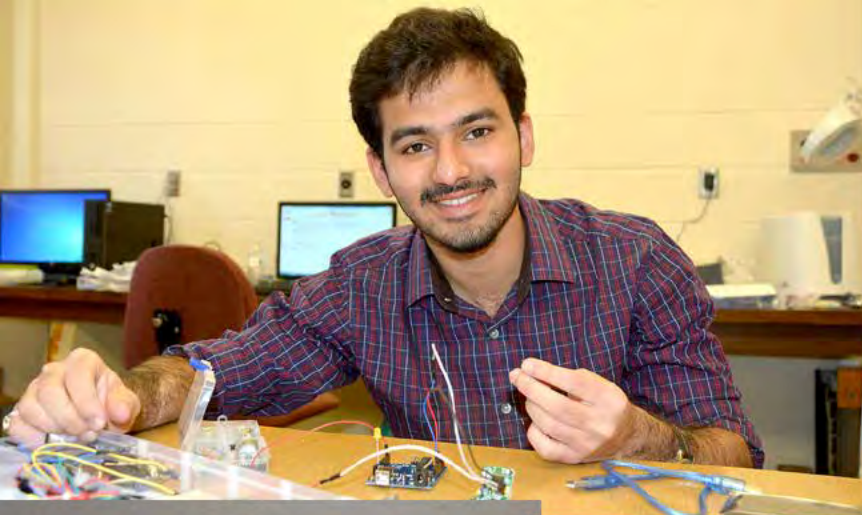
Giving for the greater good

MINES Annual Fund

**Preparing
leaders in
science &
engineering
is what we
do best.**

The Mines Annual Fund creates flexibility for the university to leverage areas we all care about, including scholarships, student organizations, faculty, and infrastructure.

Give Today
foundation.sdsmt.edu



Investing in the Future

In the fall of 2014, South Dakota School of Mines & Technology welcomed 602 first-time, full-time freshmen. Some of the best and brightest in the country, these students boast composite and math ACT scores six points higher than the national average, with equally impressive GPAs. Their high academic achievements are matched only by their need.

Approximately 30 percent of SD Mines undergraduate students come from families who are eligible for Pell Grants, indicating great financial need. However, many of the 2014 freshman class did not qualify to receive outside agency or Parent Plus loan opportunities.

The path to higher education is not always easy, and many students need help along the

way. Scholarships open the door to a college education for talented students who might otherwise be unable to attend. The work ethic required to get a degree at Mines has not changed over the years. Promising students are willing to work hard and better their lives if the gap between what an education at Mines costs and what a family can afford is narrowed.

With the combined efforts of the university and Foundation, the goal is to raise \$7 million or more in the next five years, doubling scholarship funding to make a difference in the lives of students. The focus will be on freshman high-need, high-merit students, ensuring financial hardship does not stand in the way of achieving their full potential.

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“It used to seem as though it would be impossible for me to attend college due to the insane prices that many schools have, but between scholarships and the lower tuition at Mines, I have been able to close the price gap. The scholarships that I have received have allowed me to worry less about finances and more about exams and studying,” Kayla said. “I am not sure where I would be without the help of scholarships, and I hope to give a scholarship one day to return the favor.”

Kayla Kaasa

Sophomore, Chemical Engineering

Watertown, South Dakota

Campus Activities: Women in Science and Engineering (WiSE), American Institute of Chemical Engineers (AIChE), Rock Climbing Club, and CAMP Chemical Engineering Car Team

Hobbies: outdoor rock climbing, the new bouldering wall at the Stephen D. Newlin Wellness and Recreation Center, sand volleyball

SCHOLARSHIP STUDENTS SUCCEED

Data shows scholarships help recruit students and increase retention and graduation rates. SD Mines students who receive scholarships are more likely to stay in school from their freshman to sophomore years. Scholarship students work fewer hours outside of school, allowing for more time to focus on their studies. Students who work more than twenty hours a week have significantly lower college completion rates compared to those who work fifteen hours a week or less.

Additionally, a scholarship creates a sense of responsibility for a student, a reason to stick with it, on the difficult journey to a college degree. A student who receives a scholarship as an incoming freshman is much more likely to graduate. The graduation rate for students who receive a freshman scholarship is 74 percent, compared to 55 percent for the student body as a whole.

Kayla Kaasa, a sophomore majoring in chemical engineering from Watertown, South Dakota, understands the importance of scholarships.

"It used to seem as though it would be impossible for me to attend college due to the insane prices that many schools have, but between scholarships and the lower tuition at Mines, I have been able to close the price gap. The scholarships that I have received have allowed me to worry less about finances and more about exams and studying," Kayla said. "I am not sure where I would be without the help of scholarships, and I hope to give a scholarship one day to return the favor," Kayla said.

A PATH FORWARD

Preparing leaders in science and engineering is what Mines does best, but it cannot be done alone. University and Foundation leadership are exploring ways to expand college access through scholarships for high-merit and high-need students.

Scholarships are an essential piece of student success and integral to helping students receive a quality education. It is challenging to recruit and retain students without substantial funding for scholarships. Admissions data indicates that financial aid packages are often one of the top reasons students select another school over SD Mines.

All academic and athletic scholarships at SD Mines come from the sole support of private donors.

Anna Haydock, a junior majoring in metallurgical engineering from Fresno, California, is the first in her family to major in a science, technology, engineering, and math (STEM) field and knows it means a bright future, even if it means pursuing a college degree far from home. It also means relying on the generosity of others to make ends meet financially.

"Scholarships mean the world to me. They are the sole reason I am able to continue on at Mines. There have been semesters I worked forty-plus hours a week on top of school and my organizations just so I could keep pursuing my degree and make ends meet. Scholarships allow me to take on less outside work so I can buckle down and really focus on my coursework and still have some time to breathe," said Anna.

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Anna Haydock

Junior, Metallurgical Engineering

Fresno, California

Campus Activities: current president of the National Society of Black Engineers, Professional Development Institute for Student Leaders, tutor for the Office of Multicultural Affairs (OMA), mentor for Women in Science and Engineering, and a mentor for the Bridge Program through the OMA office

Hobbies: hiking, knitting, and watching documentaries



“It means a lot that people want to invest in the futures of students like me. Because of the generosity of scholarship donors, the financial burden placed on students to pursue education is reduced, meaning they can spend more time on their school work and less time worrying about their finances. It also inspires me to one day be as generous and help students achieve their goals.”

Travis Buse

Senior, Chemical Engineering

Lennox, South Dakota

Campus Activities: cross country, indoor track, and outdoor track teams, previous president of the Phi Eta Sigma National Honor Society, member of Tau Beta Pi, and American Institute of Chemical Engineers (AIChE), principal trombone for the Mines jazz band and brass choir

Hobbies: traveling, movies, music, spending time with family and friends, competing in intramural sports, running, hiking, volleyball, racquetball, and Spartan races

INVEST IN PEOPLE, INVEST IN THE FUTURE

Mines' students apply themselves academically and are often involved in other areas on campus like athletics. Travis Buse, a senior chemical engineering major from Lennox, South Dakota, runs cross country, indoor, and outdoor track and is consistently one of the top performers each season. He has received numerous scholarships for both academics and athletics.

"It means a lot that people want to invest in the futures of students like me. Because of the generosity of scholarship donors, the financial burden placed on students to pursue education is reduced, meaning they can spend more time on their school work and less time worrying about their finances. It also inspires me to one day be as generous and help students achieve their goals," Travis said.

He is among the approximately 80 percent of current students who receive some scholarship or grant assistance from Mines and outside sources, with the average amount from all sources \$4,500. With these scholarships and grants covering only a portion of tuition and fees, Mines students heavily depend on loans to cover the remaining costs.

South Dakota does not have a significant need-based scholarship program, which results in many families taking on debt to pay for college. Despite financial obstacles, these students are academically successful.

Out of the 602 students in the 2014-2015 freshman class, 165 students received Pell grants. In this group, 94 incoming students had an incoming 27 or higher ACT score, and 92 percent completed their freshman year, a two percent higher completion rate than the overall freshman class.

GIVING BACK

A degree from the School of Mines can be a ticket to a successful career, and many alumni give back to the university to help current students have the same opportunity to achieve their academic and professional goals.

Like **Frank Richardson** (GeolE 55), scholarship donors are likely to have received scholarships themselves.

Frank and Marilyn Richardson created the prestigious Richardson Scholars Program which awards scholarship support to the most exemplary students at the School of Mines each year.

The Richardsons' generosity is motivated by a love and respect for the school that provided the opportunity to launch Frank, a young man from Wood, South Dakota, to CEO of Shell Oil. Since establishing the Richardson Scholars Program, Frank and Marilyn have also continued their support of freshman scholarships and other programs at SD Mines.

"SD Mines is fortunate to have visionary leaders like Frank and Marilyn. In creating the Richardson Scholars program, they established a scholarship designed to recognize outstanding students in their junior and senior years. These awards recognize students who excel both inside and outside the classroom with the largest scholarship available for upper-class students. The Richardson

Scholarships are aspirational for freshman and sophomore students who desire to be among the most outstanding of Mines students,” said Joel Kincart, SD Mines Foundation president.

Jonathon Emmer, a Richardson Scholar recipient, is a senior from Bristol, Illinois, majoring in geological engineering. “This scholarship helped offset the expenses of the geological engineering and

petroleum field camps and my senior year classes. The generosity of Frank and Marilyn Richardson is what creates the strong bond between the alumni and South Dakota School of Mines & Technology. I hope that one day I have the means give back to the university as Frank and Marilyn Richardson have.”



Frank & Marilyn Richardson

THE SCHOLARSHIP VISION

SD Mines graduates design, construct, and operate the most modern technology to meet today's challenges and are held in the highest regard by their fellow leaders in industry, consulting, government, health, research, and education. The ability to offer competitive scholarship packages to attract the brightest and best students remains a vital part of the future for Mines. Financial support for scholarships is essential to continued student success and graduation rates.

The effort to raise \$7 million or more in the next five years has strong support from the university and Foundation leadership who are working together to ensure that South Dakota Mines remains competitive in educating the next generation of engineers and scientists. The focus of this effort is non-endowed and endowed gifts for freshman scholarships for high-need, high-merit students.

“The provost and I personally delivered over 50 scholarships to incoming students at their homes this spring. It is more clear to me than ever that scholarships change lives. They open access to college for families and deserving students who struggle to make college possible. We are deeply grateful to the generous donors who have chosen to make a difference in this way,” said SD Mines President Heather Wilson.



Building Innovation

South Dakota Mines is among fourteen universities nationwide selected to participate in the Pathways to Innovation Program designed to help institutions fully incorporate innovation and entrepreneurship into undergraduate engineering education. The National Center for Engineering Pathways to Innovation (Epicenter) runs the program. Epicenter is funded by the National Science Foundation and directed by Stanford University and VentureWell.

Engineering is the foundation of much of the innovation required to maintain America's global competitiveness and address pressing problems. Faculty and administrators participating in the program will lead universities into a new era of engineering education that prepares students to tackle big problems and thrive in the ever-changing economy.

"Increasing opportunities for students to be involved in innovation and creating an ecosystem that supports innovation is a

priority for Mines," said South Dakota Mines President Heather Wilson. "This is one way in which we will chart our path forward."

Michael Langerman, PhD, head of the Department of Mechanical Engineering, and Darren Haar, SD Mines Entrepreneur in Residence, are leading a team from the community and campus to develop a cohesive vision for fostering innovation at SD Mines.

Collaboration with the Pathways program will bolster current efforts to implement an innovation initiative over the next five years. This campus-wide initiative, known as the Innovation Enterprise, will enhance the value of graduates and the reputation of SD Mines through a unique culture and innovative curriculum and co-curriculum. It will employ the talents and resources of faculty, staff, students, alumni, and the local, regional, and national community.

Meet the Foundation Development Team





Anne Ekern

REGION: Michigan, Ohio, Pennsylvania,
Virginia, Washington, DC, Maryland,
Delaware, West Virginia, South Dakota

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Q: How long have you worked at the Foundation?

A: A little over two years, I started in March of 2014.

Q: What's your connection to SD Mines?

A: In 2006, I worked for SD Mines President Heather Wilson on her congressional campaign in Albuquerque, New Mexico. I also raised funds for her U.S. Senate races in 2008 and 2012. I became interested in development work for a university because it presented a new challenge. Advancement for higher education is similar to raising funds for political campaigns, but it feels more gratifying when the monies are helping provide an incredible education for students to jump start their career.

Q: What would you say most motivates you to do what you do?

A: My favorite part of the job is meeting graduates who reflect back on their time at SD Mines and how it prepared them for the real world of engineering.

Q: What is most rewarding about your job?

A: Knowing this school more than adequately prepares future leaders in science and engineering to go out and conquer the world.

Q: What are you most excited or passionate about?

A: This is an amazing school that provides incredible opportunities for our students. There are some wonderfully philanthropic graduates of this school and I hope to encourage more alums, and their companies, to generously give back to their alma mater. Scholarships often make a difference between a student graduating or not graduating: \$1,000 may not seem like a lot of money, but it is a lot of money if you don't have it. Scholarships are so impactful and we always need more.

Q: What do you like to do when you aren't working hard and raising money?

A: I enjoy fly fishing, hiking, traveling and yoga.

Q: Anything else you want readers to know?

A: I'm from Mexico, Missouri!



Ron Jeitz

REGION: Southeast, Texas and Colorado

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Q&A

Q: How long have you worked at the Foundation?

A: I have been working with the Foundation for the past seven years on a part-time basis.

Q: What's your connection to SD Mines?

A: I received my degree in Civil Engineering in 1969.

Q: What would you say most motivates you to do what you do?

A: I enjoy helping the university meet its financial goals and needs. I also get to meet with alumni and corporations who are interested in supporting science, technology, engineering and math (STEM) education and SD Mines.

Q: What is most rewarding about your job?

A: Developing relationships with alumni and friends of SD Mines.

Q: What are you most excited or passionate about?

A: Outside of work, I have the opportunity to coach and help young people excel in the shooting sports.

Q: What do you like to do when you aren't working hard and raising money?

A: Playing tennis and traveling. I participate in sporting clays competitions and am currently a Master class sporting clays enthusiast. I also enjoy upland game bird and waterfowl hunting.

Q: Anything else you want readers to know?

A: I retired after a 30-year career in marketing and communications with Texaco, Inc. My wife Jean and I currently live in Reynolds Lake Oconee in rural Georgia.



Brad Johnson

REGION: Midwest

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Office: (605)394-2623



Q: How long have you worked at the Foundation?

A: I have been working here for over 20 years now. I started as the first Development Officer in the school's history, as we were ramping up for the Vision 2000 Capital Campaign.

Q: What's your connection to SD Mines?

A: I have been connected to the school for as long as I can remember. I would come from Edgemont, SD on school field trips to participate in the regional science fair, math contests, and track meets held on campus. Fortunately, our math teacher in high school had previously been a rocket scientist—literally. Dr. Geraldine Fluke, (Phys 48) the oldest living female alum from Mines, was adamant that we learn math so that we could go to the School of Mines. I earned my Electrical Engineering degree in 1992 at the age of 32.

There is also a family connection. Of five siblings in my family, three of us have degrees from Mines. My father-in-law is Bruce Conlee (EE 65). One of our sons is currently a senior in the MetE department.

Q: What are you most excited or passionate about?

A: As it relates to my role in the Foundation as part of a team: relationships and working with good people—alumni and families, friends of Mines, corporate representatives, campus colleagues—who are willing to collaborate to learn, understand, and develop win-win-win outcomes.

Q: What do you like to do when you aren't working hard and raising money?

A: My wife Brenda and I are avid Central High School Cobbler fans. We enjoy supporting the teams and watching our children in athletic competitions. We are also active in various roles at church. I also spend time playing the guitar and learning songs with dreams of becoming a better musical entertainer.

Q: Anything else you want readers to know?

A: I have a quote by Henry Rosso on the wall in my office that says, "Fundraising is the gentle art of teaching the joy of giving."

A personal mentor and expert in the field of development and fundraising, Kay Grace, inspires me with her truth, "In good times and bad, we know that people give because you meet needs, not because you have needs." The work we do is challenging and I enjoy it. I feel especially blessed by the friendships this unique career allows me to have with interesting and wonderful people.



Mike Selzer

REGION: California and Southwest

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Q&A

Q: How long have you worked at the Foundation?

A: Almost five years. I spent three and a half years serving as President before transitioning into a part-time role as a Regional Development Officer.

Q: What's your connection to SD Mines?

A: I am a proud alum, I received my Electrical Engineering degree in 1974. Over the years, I have also been connected through advisory boards and other volunteer efforts.

Q: What would you say most motivates you to do what you do?

A: I enjoy giving back to the school that shaped my career.

Q: What is most rewarding about your job?

A: Meeting new people, reconnecting with old friends and seeing their generosity.

Q: What are you most excited or passionate about?

A: Seeing the school continue to provide a top flight education that creates broadly trained graduates at a price they can afford.

Q: What do you like to do when you aren't working hard and raising money?

A: Other business ventures, connecting with my family and when time, golfing badly.

Q: Anything else you want readers to know?

A: I'm in awe of the quality and commitment of the donors and volunteers that the school has access to.



"Expert computer support — Your computer is frozen."

Lipkies Support Students with Scholarship

For almost thirty-five years **Daniel Lipkie** (Math 68) has been making a difference in the lives of Mines' students. His devotion to giving back to his alma mater has provided over eighty scholarships to students at Mines. He established the Daniel E. Lipkie Science Scholarship Fund for students majoring in mathematics, computer science, chemistry, or physics. "I was able to attend SD Mines because people like Homer Surbeck gave scholarships, and I felt it only proper to try to do likewise," Daniel stated.

Born in Scotland, South Dakota, Daniel experienced a diverse and successful career since graduating from Mines. After receiving his diploma, he entered the US Army Corps of Engineers as an officer. His first assignment was at Rice University, where he earned a master's degree in astrophysics and space science. His military career led him to Fort Hood, Texas, where he worked in computer operations and helped design and operate a real-time wargame scoring system between tanks and helicopters.

With his military service complete, Daniel sought a PhD in computer science from the University of Washington. His education and military experience equipped him to work for technology companies Xerox Corporation and Microsoft. He implemented an integrated graphics editor and managed the text editor group for the Xerox Star 8010 Workstation, the first commercially available office information system to use bitmap graphics, menus and a mouse. While at Microsoft he worked on groundbreaking projects that included DOS Word and Windows 1.0.

Continuing to work in the high-tech field,

Daniel wrote software for a medical image measurement and analysis system. He designed and implemented a hinting subsystem for a synthetic font generation system, Infinifont, embedded in HP printers.

Throughout his career Daniel has continued to give back to the university that set him on the course to success.

Zachery Crandall, a junior chemistry major from Veblen, South Dakota, is among the dozens of students directly benefitting from Daniel's generosity. "As a first generation college student, I am always grateful for the generosity of donors like Daniel Lipkie. Without their continuous support it would have been extremely difficult to make it to my senior year as a chemist," said Zachery.

Daniel's generosity is matched by his humility. "Daniel is so humble and unassuming. On meeting him, I was touched by his kindness and his desire to help others as he had been helped," said SD Mines President Heather Wilson.

Therese Frels, a junior physics major from Guthrie Center, Iowa, has received the award twice. She had the pleasure to meet Daniel and his wife, Roberta at a scholarship recipient dinner. "It was wonderful for me to thank him in person, for positively impacting my time at Mines. They treated me as one of their own, with their willingness to see all aspiring students through school. Daniel is an inspiring person, and through his example I hope to someday make my own impact in the lives of students at Mines."



"I honestly would not be able to do what I am doing now without these opportunities. They will continue to help me change the world."

Scholarships Make a Difference for Star

Growing up on the Pine Ridge Reservation, Shane Star lived the struggle that has inspired him to use his civil engineering education to improve the lives of others.

He and his two younger brothers saw the daily challenges his single mother endured trying to put food on the table and a roof over their heads while also keeping them safe.

"I always knew I wanted to go to college because of my passion for learning the unknown. The way I was growing up, I knew I wouldn't be able to depend on my mother for financial support. I also knew that there are generous people out there willing to help others and that I just had to prove myself worthy to them by demonstrating my hard work and perseverance," Shane said.

His determination earned him several scholarships. Without them, Shane says he wouldn't be at Mines.

"Scholarships have really helped me on my journey thus far, and I could not be more grateful. I honestly would not be able to do what I am doing now without these opportunities. They will continue to help me change the world. They help me fulfill my goal of being the first from my family to graduate college, as well as serve as a stepping stone toward achieving many other lifetime goals I have," Shane said.

One of the primary reasons Shane chose Mines was because it was close to home. His ties to home fuel his goal of getting a Ph.D. and returning to the reservation to work in education. Recognizing the lack of Native American students in science, technology, engineering and mathematics (STEM)

programs he believes the math and science departments at the local schools can be more rigorous and he wants to start changing things.

Like 78 percent of other Mines students who gain real-life work experiences before graduation, Shane has spent his first two college summers interning on the reservation. "Not only did this help me pay for more of my schooling, but it also allowed me to see the problems my Oglala Lakota people face in a more complex way. I can see now where I can help with some of those problems rather than just feeling powerless. That's the greatest feeling to me because that is exactly what I want to do—give back to my community and my people."



Farewell to Simonson



The SD Mines Foundation is proud to announce that Development Officer, Larry Simonson (EE 69) has taken on the role as the new Director of the Alumni Association.

"We are pleased that Larry has accepted the position of Alumni Director," said Tom Zeller (ME 70), Alumni Association Executive VP. "Larry has a long history with Mines as a student, professor, and employee of the Foundation. For fifty years, he has greeted graduates of all disciplines and followed the careers of his former students. Welcome, Larry!"

Larry was a faculty member in the Department of Electrical and Computer Engineering for 32 years, including four years as Department Chair. He was the 2003 recipient of the Guy E. March Medal, denoting his service and positive interactions with the university, students and alumni and in 2004 was recognized by the university as the Presidential Outstanding Professor.

Larry came to Mines from Roslyn, South Dakota, and received his bachelor's degree, master's, and doctorate in electrical engineering. After working for Texas Instruments for two in a half years, he joined the faculty of the Electrical Engineer Department in 1976.

Larry plays an active role on campus and in the community, participating in many student activities, sporting events and alumni gatherings. It's not uncommon for him to drive his Toyota Prius all over the country to show his support to the Mines' sports teams. He is well known for his energy, sense of humor and friendliness. Larry has been a generous supporter to Mines for many years. The university is grateful to have someone with such devotion to the school.

"Although Larry will no longer be at the Foundation, we are excited that he will still be serving Mines and our alumni in this important leadership role. The Foundation and the Alumni Association are partners in many activities and we look forward to working with Larry in his new position," said Joel Kincart, Foundation President.

Larry joined the Alumni Association full-time on April 1, 2016.

SD MINES

BE AN ACTIVE ALUM

STAY CONNECTED WHEREVER YOU ARE

1

Interact with us on Social Media

Show your SD Mines pride, share memories, or comment on SD Mines posts. Facebook, Twitter and LinkedIn.

2

Hardrock Class Notes

Let us know what you've been doing! Keep your information updated so we can invite you to events and let you know about campus happenings.

3

Give Back

Support student scholarships, capital improvements, academics and more by making an unrestricted gift to the Mines Annual Fund.

4

Attend Events

We hold events across the nation, watch the E-News and website for upcoming events and join the fun!

5

Grubby Gear

Wear it on your shirt, hat, socks, or on your children! The Rocker Shop carries a huge selection of Grubby Gear. Minesbookstore.com

6

Become an Alumni Ambassador

40% of incoming freshmen students first hear about SD Mines from an alum, spread the word!

7

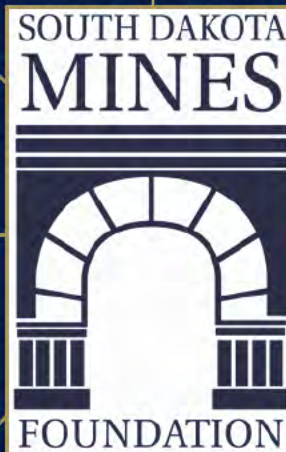
Recruit from the SD Mines talent pool

Join us at the spring and fall career fairs to meet and hire well-educated individuals like yourself. Can't make it to campus? Post jobs and internships on the Gold Mine.

8

Share pictures at SD Mines events

Share pictures with family and friends of SD Mines events. #GoHardrockers



SD Mines Alumni Association

501 East Saint Joseph St., Rapid City, SD 57701-3995

Phone: (605)394-2347 / (800)394-2394 • alumni@sdsmt.edu

Ways to Give

There are many ways to give to the university that also contribute to your own personal and financial goals. As you think about your commitment, please consider these giving options.

GIFTS OF CASH

May be made by currency, check, money order, bank draft or credit card.

PLEDGES

A gift that the donor agrees to pay over a period of time.

ANNUAL GIVING – MINES ANNUAL FUND

Each year alumni, donors and friends generously support the university with their annual gifts. You provide scholarships, equipment and other much-needed resources to our students and faculty. Every gift matters and makes a difference.

GIFTS OF STOCK

An individual can gift stock to the Foundation, take a charitable deduction for the fair market value and not pay taxes on the capital gains portion of the gift value. The gift value is established by the mean between the stock high and low price on the date transfer.

GIFTS OF REAL ESTATE

Real estate includes homes, cabins, commercial buildings, farm land and other property. All proposed gifts of real estate are reviewed by the Foundation before the gift is accepted.

GIFTS-IN-KIND

Gifts-in-kind include donations of tangible personal property other than cash and securities such as equipment, software, licensing, furnishings, and books. Please contact the Foundation before transferring the property to assure proper acceptance procedures are followed.

MATCHING GIFTS

If you or your spouse are employed by a matching gift company, your contribution could be doubled or even tripled. Check with your employer's human resources department for more information.

LIFE INSURANCE

Contact your insurance agent for forms that will change the beneficiary and ownership designations to the Foundation.

IRAS

The IRA charitable rollover allows taxpayers age 70½ or older to transfer up to \$100,000 annually from their IRA accounts directly to charity without first having to recognize the distribution as income. Contact your IRA custodian to initiate your gift.

PLANNED GIFTS

Wills and Bequests

A bequest is one of the easiest gifts to make. With the help of an advisor, you can include language in your will or trust specifying a gift be made to the SD Mines Foundation as part of your estate plan. The benefits of making a bequest include leaving a lasting legacy, lessening the tax burden on your estate, and impacting the lives of others through your gift.

Charitable Trusts

Trusts give you an opportunity to provide lifetime income for yourself or others while making a generous gift to charity. For your convenience, our gift planning staff can prepare examples of charitable trusts that may fit your philanthropic and financial planning.

Charitable Gift Annuities

A gift annuity is a contract under which the Foundation, in return for a transfer of cash or securities, agrees to pay a fixed sum of money for a period measured by one or two lives. You can receive an attractive rate of return and have the pleasure of making a meaningful charitable gift to the Foundation.

We invite you to contact us directly if you prefer to talk through the details of arranging a gift.



A TAXWISE *giving* OPPORTUNITY

Don't miss the chance to make
a charitable IRA gift this year!

An IRA charitable rollover is a very *simple* gift to make

If you are 70½ or older and own a traditional IRA, please consider making an IRA charitable rollover gift. You can make a gift of up to \$100,000 from your IRA to charity this year. Your gift to a nonprofit organization like ours will:

- not be included in your taxable income.
- satisfy your required minimum distribution (RMD) for the year.
- reduce your taxable income, even if you do not itemize deductions.
- not be subject to the 50% limitation on charitable gifts.
- help the work of our organization.

An IRA charitable rollover is a very simple gift to make. Please contact us or your IRA administrator for assistance in completing an IRA charitable rollover gift.





HARDROCK CLUB

HIGHLIGHT REEL

SOUTH DAKOTA SCHOOL OF MINES CELEBRATES

EXCEPTIONAL SCHOLAR-ATHLETES

For 15 consecutive semesters Hardrocker athletes have earned an average cumulative Grade Point Average above a 3.0.

Hardrocker Football had their second winning season out of the last three years and seven football scholar-athletes were named to the 2015 Great Northwest Athletic Conference All-Academic Team.

Volleyball players Mikkella Reese and Anna Breidt were named to the All-RMAC (Rocky Mountain Athletic Conference) Honorable Mention roster.

Nine South Dakota School of Mines men's and women's basketball scholar-athletes received Rocky Mountain Athletic Conference All-Academic honors.

Hardrocker volleyball and basketball athlete Janelle Strampe was named RMAC NCAA Woman of the Year, and was a top finalist for National NCAA Woman of the Year.

The men's and women's cross country teams were recognized as NCAA Div. II All-Academic Teams by the U.S. Track & Field and Cross Country Coaches Association during the organization's national convention in New Orleans.

130 scholar-athletes with GPA of 3.0 or higher.

Thanks to your generosity and support, a record \$1.19 million was privately raised this academic year for athletic scholarships.

SD Mines Hardrock Club

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SD MINES

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SD MINES

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