

# EXPANDING YOUR HORIZONS

Dr. Christopher Maples, Interim Chancellor  
November 17, 2017

MISSOURI  
**S&T**





# BLOWING IT UP



Dr. Catherine Johnson  
Assistant Professor of Mining  
and Explosives Engineering



S&T has the nation's only Ph.D.  
in explosives engineering

(We have an explosives  
summer camp, too!)





# MUCKING AND MINE RESCUE



2017 Women's Mucking Team (international winners) ↑

← Mine rescue team

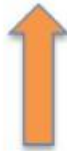




# DESIGNING A FUTURE



Katelyn Brinker, awarded top IEEE honor, earned NASA Fellowship



World champs  
(Missouri S&T Mars Rover  
Design Team, the 2017  
University Rover Challenge  
winners)





# FINDING FAR-OUT WORKPLACES

LEGOs based  
on real  
women in  
space



↑ Real women in space who graduated from Missouri S&T  
(Janet Kavandi and Sandy Magnus)



# FROM S&T STUDENT TO DOCTOR



Katie Payne, medical school student  
in Kansas City, Missouri



Dr. Karlynn Sievers, family medicine  
doctor in Grand Junction, Colorado



# CONDUCTING CANCER RESEARCH

S&T is home to Missouri's first university nuclear research reactor

Ph.D. student Maria Camila Garcia Toro and Dr. Carlos Henry Castano Giraldo display vials of nanoparticles →





# MATERIALS FOR THE FUTURE



↑ Dr. Julia Medvedeva is leading a \$1.6 million NSF research grant on amorphous materials

Amorphous materials can be used in many items, from smart windows in homes and cars to fitness trackers





# GRADUATING SOON



LAUREN COCKRUM  
Business and  
Management  
Systems  
Plans: Marketing  
and design career



MADISON MORRIS  
Biological Sciences  
Plans: Attend  
medical school



DAJAE MOE WILLIAMS  
Engineering  
Management  
Plans: Manufacturing  
engineer at NASA



KELCY YUNG HANS  
Electrical  
Engineering  
Plans: Work at  
Boeing



# THANK YOU!





# KEYNOTE SPEAKER



**“Successful Women  
Communicate Differently”**

**Colonel Martha K. Brooks**  
Director of Public Affairs  
U.S. Army North