

2025



9 2ND ANNUAL
SLIDE RULE



University of Detroit Mercy Mission Statement

The University of Detroit Mercy, a Catholic university in the Jesuit and Mercy traditions, exists to provide excellent student-centered undergraduate and graduate education in an urban context. A Detroit Mercy education seeks to integrate the intellectual, spiritual, ethical and social development of students.

College of Engineering & Science Mission Statement

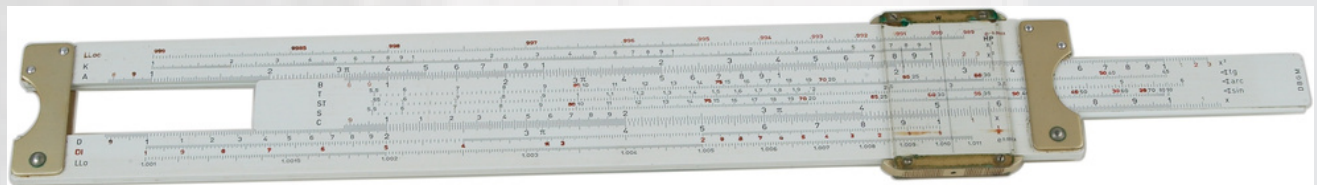
It is our mission to serve the Detroit area, the national and the world communities through the education of professional engineers, scientists, and mathematicians, and through the discovery, application and dissemination of knowledge. The college will discover and apply knowledge, which effectively addresses the critical opportunities and challenges of the urban and industrial communities. It will do so in active and intimate partnerships with industry and government. We will be helpful, courteous, and professional in all internal and external interactions.



The slide rule is a mechanical analog computer. The slide rule is used primarily for multiplication and division, but also for functions such as exponents, roots, logarithms and trigonometry.

The Reverend William Oughtred and others developed the slide rule in the 17th century based on the emerging work on logarithms by John Napier. Before the advent of the electronic calculator, it was the most commonly used calculation tool in science and engineering. The use of slide rules continued to grow through the 1950s and 1960s even as computers were being gradually introduced. However, due to the change to electronic handheld scientific calculators in the 1970s, the use for slide rules became obsolete.

In its most basic form, the slide rule uses two logarithmic scales to allow rapid multiplication and division of numbers. More elaborate slide rules allow other calculations, such as square roots, exponentials, logarithms, and trigonometric functions. Scales may be grouped in decades, which are numbers ranging from 1 to 10 (i.e. 10^n to 10^{n+1}). Thus, single decade scales C and D range from 1 to 10 across the entire width of the slide rule while double decade scales A and B range from 1 to 100 over the width of the slide rule.





2025 Mechanical Engineering All-Star Alumni



Maximiliano Falcone
2005 Graduate
VP of Sales Engineering
PushCorp

Maximiliano A. Falcone has more than 23 years of automation experience having spent 10 years with a large automotive system integration firm, over five years with a robot OEM and now over eight years with PushCorp, Inc. Having been a part of projects in the USA, Canada, Mexico, Japan, Germany and China, he has extensive hands on field knowledge of large system installations especially pertaining to metal finishing, welding where he holds one patent, assembly, machine vision and robotic guidance where he holds another patent.

Max holds a Bachelor of Science in Mechanical Engineering and Masters of Science in Product Development from the University of Detroit-Mercy where he also resides on the advisory board for the School of Mechanical Engineering. As of August 2017 Max is based out of Wixom Michigan and is responsible for the growth and support of PushCorp's integration and end user network, specifically ensuring PushCorp's customers have the knowledge and support they need to be successful.



2024 Electrical Engineering All-Star Alumni



C. Greer Jordan, Ph.D.
1986 Graduate
VP Anchor Partnerships/
Knowledgeforce Initiatives
Medical College of Wisconsin

Dr. Jordan brings a unique perspective from engineering and management to her role, leading access, opportunity, and community impact strategies that enable MCW's excellence in pursuing our just cause of improving everyone's opportunity to achieve their best possible health and flourishing. Dr. Jordan's role and responsibilities range from contributing to developing MCW strategies and collaborating with our clinical partners, Children's Wisconsin and Froedtert/ThedaCare Hospital, to applied practice in partnership with community-embedded organizations to address the economic drivers of health across Wisconsin. Her academic interests include effective leadership, high-performing organizational cultures, and anchor institution impact.



2024 Civil/Environmental Engineering All-Star Alumni



Chris Costis, P.E.
1996 Graduate
Director of Structural Engineering
Ghafari

Chris Costis is the Director of Structural Engineering at Ghafari, bringing decades of experience to the field. A proud University of Detroit Mercy alumnus, Chris graduated in 1996 and went on to earn a Master's degree from Wayne State University. His career has largely been rooted in Southeast Michigan, with previous roles at DTE, SmithGroup and Harley Ellis before finding his professional home at Ghafari.

Chris has contributed to several landmark projects, including Comerica Park, Greektown Casino and educational facilities at the University of Michigan, Michigan State, Wayne State and Michigan Tech. His current work spans the automotive and manufacturing industries, collaborating with companies like Ford and GM on innovative alternative energy initiatives such as battery manufacturing and solar panel installations.

With a project portfolio that extends across North America, Europe, the Middle East and parts of South America, Chris brings a global perspective to structural engineering. Outside of work, he enjoys traveling and spending time with his wife of 18 years, Kanella, and their two sons, Nick (15) and Bobby (13).



2024 Biology All-Star Alumni



Lisa Langenburg, M.D.
1989 Graduate
Family Physician
Metro Family Physicians

Lisa Langenburg is a proud alumnus of the last graduating class of the University of Detroit of 1989. She earned her medical degree from the University of Virginia and completed her Family Medicine residency training in Lynchburg Virginia.

She and her husband, Scott, returned to the Detroit area in 1997 to raise their family of 4 children and build medical practices.

Lisa has served her patients in the same family medicine practice in Clinton Township for the last 26 years. This stability has given her the privilege of caring for multiple generations of families.

Lisa's experiences at U of D have shaped her life. An Insignias scholarship made attending college possible for her. She was a Titan harrier! It was Father Gerry Albright whom encouraged her to apply to medical school. Father Albright officiated Lisa and Scott's wedding. Their youngest son David graduated from UDM School of Architecture in 2023. She is so thankful.



2024 Chemistry/BioChemistry All-Star Alumni



Jamira Jones, M.D., MPH
2000 Graduate
Emergency Medicine Physician
Fedko Emergency Physicians LLC

Jamira T. Jones, MD, MPH, is a board-certified emergency medicine physician with nearly 20 years of experience providing compassionate, high-quality care in emergency departments. She also has expertise in post-acute care and telemedicine, with a strong focus on patient safety and reducing hospital readmissions through medical chart review. Her work includes in-depth medical record analysis, particularly in geriatric medication safety and post-operative complications.

Beyond her clinical practice, Dr. Jones has a deep commitment to global health. She served as an International Volunteer Emergency Medicine Physician in Haiti, Ghana, and Argentina, providing essential healthcare in disaster-affected and resource-limited regions. She coordinated medical efforts, managed resources to maximize patient impact, and delivered training to strengthen local healthcare teams. Her passion for public health also led her to serve as a subject matter expert for the Colorado Department of Public Health & Environment's ketamine investigatory review, where she applied her expertise to develop safety recommendations and advocate for evidence-based policy changes.

Committed to both her profession and family, Dr. Jones has shaped her career to maintain a balance between the two. She lives in Denver with her husband and two children. In her free time, she enjoys reading, volunteering, traveling, Zumba, and spending time with loved ones.



2024 Computer Science All-Star Alumni



Timothy Hoban, M.D.
1982 Graduate
Pediatric Neurologist
University of Michigan

Timothy Hoban is a pediatric neurologist specializing in Pediatric Sleep Medicine. His areas of clinical interest include obstructive sleep apnea, central sleep apnea, narcolepsy, idiopathic hypersomnia, and the intersection of Sleep Medicine and Neurology.

Timothy's education and research interests include pediatric sleep medicine education, sleep disordered breathing, and the assessment and treatment of excessive daytime somnolence in children.



College of Engineering & Science
Department Awards

Biology

Department Service Award

Presented to the student who has excelled in support of the Biology Department through service activities during the time spent as a Biology major

Courtney Marsh

Chemistry & Biochemistry

Department Service Award

Presented to the student, as chosen by faculty who has excelled in support of the Department through service activities during the time spent as a Chemistry or Biochemistry major.

Alzhra Alduis



College of Engineering & Science
Department Awards

Mechanical Engineering.

**Jiunn P. Chiou Memorial
Service Award**

An award presented to the student, as chosen by the faculty, who has excelled in service to the Department through their engagement and support.

James Kamau

Canjar Design Award

An award presented to the student who has best demonstrated aptitude, motivation, and effective participation in design project that is beneficial to society.

Matthew Sterbenz & Lance Sterbenz



College of Engineering & Science
Department Awards

Civil, Architectural,
& Environmental Engineering.

The Aldo Colandrea Civil,
Architectural, Environmental
Department Service Award

Presented to the student, as chosen by the faculty,
who has excelled in support of the Department
through their engagement, support, and service.

Ailene Dertinger



College of Engineering & Science
Department Awards

Computer Science Department
Student Service Award

Presented to the student, as chosen by the faculty,
who has excelled in support of the Department
through their engagement, support, and service.

Benjamin Yacoob

Electrical Engineering
Departmental
Student Service Award

Presented to the student, as chosen by faculty who has
excelled in support of the Department through service
activities during the time spent as an Electrical &
Computer Engineering and Computer Science major.

Oriekaose Agholor



College of Engineering & Science
Student Organization Awards

Chemistry Club Service Award

Presented to the member of the Chemistry Club
(student members of the American Chemical Society),
as chosen by his/her/their peers, who has provided
outstanding service and dedication to the organization
over multiple academic years.

Selina Hakim

Society of Women Engineers
Service Award

Presented to the member of SWE who provides
outstanding service and dedication to the
organization.

Jezelle Manni



College of Engineering & Science
Student Organization Awards

Biology Club Service Award

Presented to the member of the Biology Club who has provided outstanding service and dedication to the organization over multiple academic years.

Suzanne Sareini

Society of Hispanic Professional
Engineers Service Award

Presented to the member of SHPE who provides outstanding service and dedication to the organization.

Ricardo Tapia Vargas



College of Engineering & Science
Student Organization Awards

Pre-Dental Student Association
Service Award

Presented to the member of the PDSA who has provided outstanding service and dedication to the organization over multiple academic years.

Batoul Mortada

Pre-Physician Assistant Club
Service Award

Presented to the member of the PPAC who has provided outstanding service and dedication to the organization over multiple academic years.

Alexandria Jarbo



College of Engineering & Science
Student Organization Awards

Pre-Med Club Award

Presented to the member of the Pre-Med club who has provided outstanding service and dedication to the organization over multiple academic years.

Shahzennon Alemarah

American Society of
Civil Engineers Service Award

Presented to the member of the ASCE who has provided outstanding service and dedication to the organization over multiple academic years.

Annie Peters



College of Engineering & Science
Department Awards

Arthur C. Haman
Cornerstone Service Award

This award was created in 2001 to honor a person who has truly dedicated themselves to the College. It was modeled after St. Peter who was the cornerstone of the Catholic Church. This person has been a foundation and has given many years of service for the betterment of the college. He/she/they has been an inspiration to students and faculty alike, and has left a distinctive influence on the college that will last for many years to come.

Jane Schley



NO MERCY AWARD

(formerly known as the Purple Shaft Award)

By his/her/their loving students, this honor is bestowed upon the faculty member who tortured his/her/their students with homework, quizzes, exams, and projects beyond human comprehension for the entire year.

The NO MERCY AWARD in
ENGINEERING/COMPUTER SCIENCE/MATHEMATICS
finalists are:

Dr. Nart Shawash
Dr. Utayba Mohammad
Dr. Richard Hill

The NO MERCY AWARD in SCIENCE
finalists are:

Dr. Klaus Friedrich
Dr. Marwa Abdel Latif
Dr. Greg Grabowski



Faculty of the Year

Presented to the faculty members who have displayed professional excellence, strong dedication to University of Detroit Mercy, and a sincere interest in the educational advancements of his/her/their students. These nominees have been evaluated by the students as the best in teaching ability and participation in student centered activities.

**Engineering, Computer Science and Mathematics
Faculty of the Year Nominees**

**Dr. Shuvra Das
Dr. Utpal Dutta
Dr. Mark Paulik**



Faculty of the Year

Presented to the faculty members who have displayed professional excellence, strong dedication to University of Detroit Mercy, and a sincere interest in the educational advancements of his/her/their students. These nominees have been evaluated by the students as the best in teaching ability and participation in student centered activities.

Science Faculty of the Year Nominees

Dr. Eleni Geragosian

Dr. Jacob Kagey

Dr. Matt Mio



Engineering. Student of the Year

Presented to the most outstanding graduating engineering, computer science, or mathematics student. Designation as the recipient of the Engineering Student of the Year award is based upon the candidate's academic achievements, leadership capabilities, personality, and extra-curricular activities. These nominees exemplify the necessary characteristics and were considered by their peers worthy of distinction.

**Engineering, Computer Science and Mathematics
Student of the Year**

Finalists are:

**Orieokaose Agholor
Renee Kesto
Andre Price**



Science Student of the Year

Presented to the most outstanding graduating engineering, computer science, or mathematics student. Designation as the recipient of the Engineering Student of the Year award is based upon the candidate's academic achievements, leadership capabilities, personality, and extra-curricular activities. These nominees exemplify the necessary characteristics and were considered by their peers worthy of distinction.

Science Student of the Year

Finalists are:

Lillian McDermott

Ali Mohammed

Maryam Qoda

Faith Williams



Thank you to our Slide Rule Planning Committee!

Karla Lewis
Madeline Byrne
Katy Snyder

Student Leaders

Orieokaose Agholor
Rayan Akhdar
Yazin Alamri
Josephene Dertinger
Grace Gutman
Gabriella Greenlaw
Harleen Kaur
Lillian McDermont
Andre Price
Aranza Ramierez
Jude Rodriguez
Ricardo Tapia Vargas

Thank you to all of our Engineering &
Science Students
for their hard work and support this
Academic Year 2024-2025



A very special Thank You to all
of our Partners and Sponsors

Thank you so
much for joining
us this evening for
the 92nd annual
Slide Rule Awards!



WAIDE
TRIM