the e&s student perspectives on engineering and science

IN THIS ISSUE

1. STUDENT SPOTLIGHTS

Learn about Civil Engineering alumnae Sydney Bratton and Biomedical and Cyber Engineering alumnus Logan McCarthy.

3. FACULTY SPOTLIGHT

Learn about Mathematics and Statistics Professor Dr. Galen Turner, Computer Science Lecturer Dr. Andrey Timofeyev, and Mechanical Engineering Program Chair and Associate Professor Dr. Kelly Crittenden.

6. FAREWELL TO EVA

Eva Dickenson graduated last spring, leaving behind a legacy of relatable COES comics; we'll miss her bright personality.

7. TOYOTA'S WOVEN CITY

Toyota broke ground on Woven City, a city of the future in early 2021. It will be based in Japanese tradition, nature, walkability, and the latest technology.

9. HISTORICAL SPOTLIGHT

Leonhard Euler was one of the most prolific and influential mathematicians to live. His work has shaped many fields and continues to be relevant to this day.

10. MODERN BIOGRAPHY

Best known for the MINX operating system, Andrew Stuart Tanenbaum is a Dutch-American computer scientist whose work primarily focuses on operating systems.

11. STARS, SATELLITES, AND SPACEX

SpaceX and other major corporations are planning for large satellite fleets, which pose a problem to ground-based astronomy.

13. ENGINEERING MARVEL

The Eshima Ohashi Bridge rises high above the Nakaumi lake in Japan.

15. ENGINEERING OOPS

A welcome center for a small Louisiana town nearly met an unfortunate fate after structural engineers failed to consider all the safety precautions for building on a swamp.

17. CAN YA DIG IT?

Humans have desired to dig through the Earth's crust into the mantle for a long time. Learn of past endeavors and future plans for such digs.

19. HISTORY ARCHIVE

Tech's first electronic computer in 1956 represented numbers with analog signals.

21. COMICS

From the archive: Just your typical engineering professor.

22. STUDENT ORGANIZATIONS

THE E&S MAGAZINE P.O. BOX 10348 RUSTON, LA 71272

QUESTIONS OR COMMENTS theengineer@latech.edu

EDITOR Jordan Savoie

ASSISTANT EDITORS

Behram Dossabhoy Joshua Iselin Juno Stroderd Megan Ward Jacob Christ Katie McKenzie Austin Harvey

STAFF WRITERS

Eva Dickenson Lauren Fogg Elizabeth Kibodeaux Matt Marton

CONTRIBUTING EDITORS

Brandy McKnight Charlotte Wilkerson

GRAPHIC DESIGNER Estevan Garcia

FACULTY ADVISOR

Dr. Hisham Hegab Dean College of Engineering and Science