ECE OUTREACH EVENTS

Spring 2020

DEPARTMENT OF
ELECTRICAL &
COMPUTER ENGINEERING

THE BOOZ ALLEN HAMILTON COLLOQUIUM SERIES

JANUARY 31

“Advanced Cryptography: Promise, Progress, and Challenges”

Shai Halevi

Research Fellow, Algorand Foundation

FEBRUARY 14

“Challenges of Charging EVs @ Scale”

Lee Slezak

Vehicle Systems Manager, Department of Energy Vehicle Technologies Program

FEBRUARY 21

“Quantum Diamond Sensing: Advances and Applications to Integrated Circuit Activity Monitoring”

Edlyn Levine

Research Associate, Department of Physics, Harvard University

Lead Physicist, The MITRE Corporation

NOTE: THE REST OF THE COLLOQUIUMS WERE CANCELED DUE TO COVID-19, AND ARE RESCHEDULED FOR FALL.

ON-CAMPUS EVENTS

IEEE LEADERSHIP SEMINAR

March 5

Lyndon Brown, VP, Business Development, FireEye Inc.

-15-20 students attended

ON-CAMPUS EVENTS

ECE SPRING CAREER FAIR

March 6

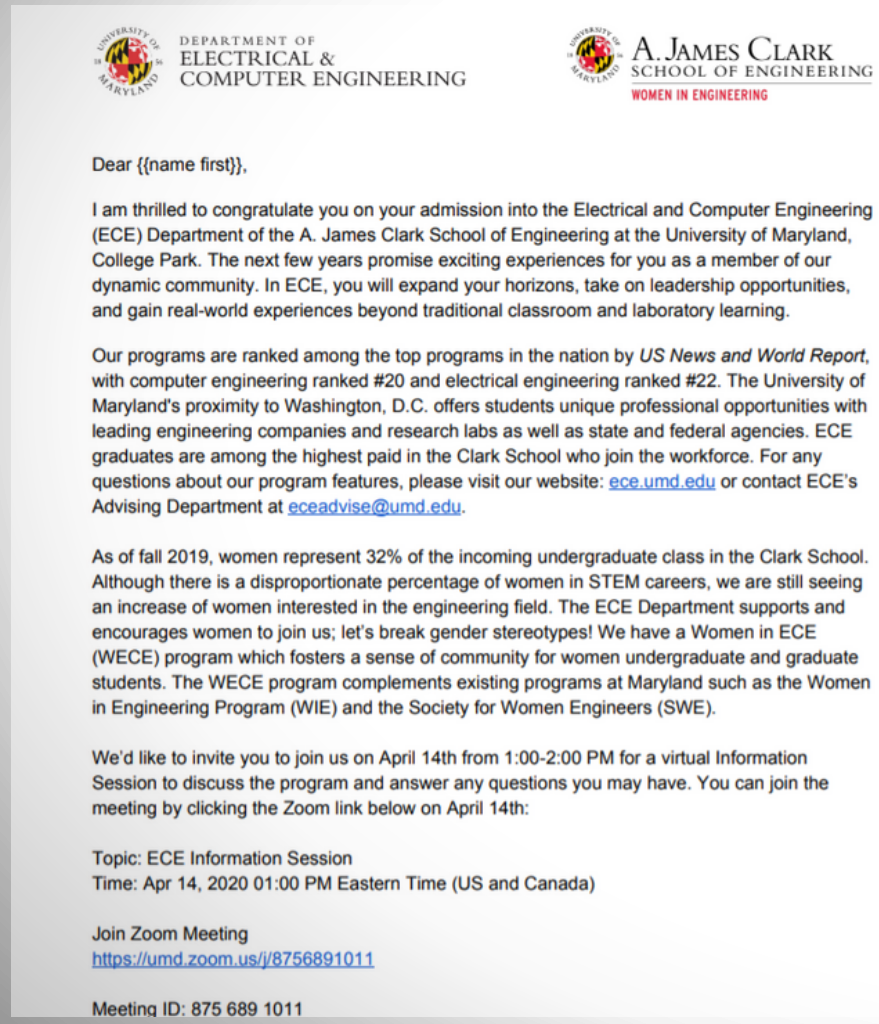
-38 companies registered and attended

-Students attended but the overall turnout was thinner than usual

-Employers did express satisfaction with students they met

CORONAVIRUS: EVERYONE LEAVES CAMPUS, MARCH 13

ECE OUTREACH BECOMES VIRTUAL



DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING

A. JAMES CLARK SCHOOL OF ENGINEERING
WOMEN IN ENGINEERING

Dear {{name first}},

I am thrilled to congratulate you on your admission into the Electrical and Computer Engineering (ECE) Department of the A. James Clark School of Engineering at the University of Maryland, College Park. The next few years promise exciting experiences for you as a member of our dynamic community. In ECE, you will expand your horizons, take on leadership opportunities, and gain real-world experiences beyond traditional classroom and laboratory learning.

Our programs are ranked among the top programs in the nation by *US News and World Report*, with computer engineering ranked #20 and electrical engineering ranked #22. The University of Maryland's proximity to Washington, D.C. offers students unique professional opportunities with leading engineering companies and research labs as well as state and federal agencies. ECE graduates are among the highest paid in the Clark School who join the workforce. For any questions about our program features, please visit our website: ece.umd.edu or contact ECE's Advising Department at eceadvise@umd.edu.

As of fall 2019, women represent 32% of the incoming undergraduate class in the Clark School. Although there is a disproportionate percentage of women in STEM careers, we are still seeing an increase of women interested in the engineering field. The ECE Department supports and encourages women to join us; let's break gender stereotypes! We have a Women in ECE (WECE) program which fosters a sense of community for women undergraduate and graduate students. The WECE program complements existing programs at Maryland such as the Women in Engineering Program (WIE) and the Society for Women Engineers (SWE).

We'd like to invite you to join us on April 14th from 1:00-2:00 PM for a virtual Information Session to discuss the program and answer any questions you may have. You can join the meeting by clicking the Zoom link below on April 14th:

Topic: ECE Information Session
Time: Apr 14, 2020 01:00 PM Eastern Time (US and Canada)

Join Zoom Meeting
https://umd.zoom.us/j/8756891011

Meeting ID: 875 689 1011

ECE ONLINE INFORMATION SESSION FOR ADMITTED FEMALE STUDENTS

April 14

-A letter was emailed out to 69 women students specifically to engage with them and work towards increasing women enrollment numbers. About 15 students attended.

-Event Participants Included:

Joseph JaJa, Chair

June Xu, Current Student

Sonal Deshpande, Alumni

VIRTUAL EVENTS

TEXAS INSTRUMENTS TECH TALK: “BUILDING SENSOR NETWORKS WITH HARDWARE IN THE INTERNET OF THINGS”

April 30

Speaker: Mark Easley, University Marketing Manager, Texas Instruments

-22 students registered and about 18 attended

VIRTUAL EVENTS

ECE ALUMNI & FRIENDS VIRTUAL TECH TALK WITH THE MARYLAND CYBERSECURITY CENTER

May 28

Participants:

-Joseph JaJa, ECE Professor and Department Chair

-Charalampos Papamanthou, ECE Professor and Director, MC2

-Maurice Boissiere '89, Chief Customer Officer, DataTribe

-57 alumni, faculty, staff, and students registered, about 30 attended

VIRTUAL EVENTS

JUNIPER NETWORKS FREE ON-DEMAND COURSE IN NETWORKING

May 31-June 6

Juniper Networks, in cooperation with the Department of Electrical and Computer Engineering, offered a free on-demand course in networking including access to their cloud-based lab environment.

-125 students registered, included ECE grads and undergrads, computer science, and telecommunication students

UPCOMING VIRTUAL SUMMER EVENTS

INCOMING STUDENT INFO SESSION & SOCIAL HOUR

To be held late June

EMBEDDED SYSTEMS AND IOT INFORMATION SESSION

To be held in July

-Invite alumni

ECE INFO SESSION FOR PARENTS

Date TBA

FALL COLLOQUIUM SPEAKERS

1. **SEPTEMBER 4 - XIAOFENG WANG**

   Professor of Computer Science and Engineering, Indiana University Bloomington

2. **SEPTEMBER 11 - BARBARA SHINN CUNNINGHAM**

   Deputy Director, Carnegie-Mellon Neuroscience Institute

3. **SEPTEMBER 25 - JD DULNY**

   Chief Scientist, Booz Allen Hamilton

4. **OCTOBER 9 - BAHMAN GHARESIFORD**

   Associate Professor, Mathematics and Engineering
   Program: Control Group

   Queen's University, Ontario, Canada

5. **NOVEMBER 6 - DENNIS ANDRUCYK**

   Center Director, NASA Goddard Space Flight Center

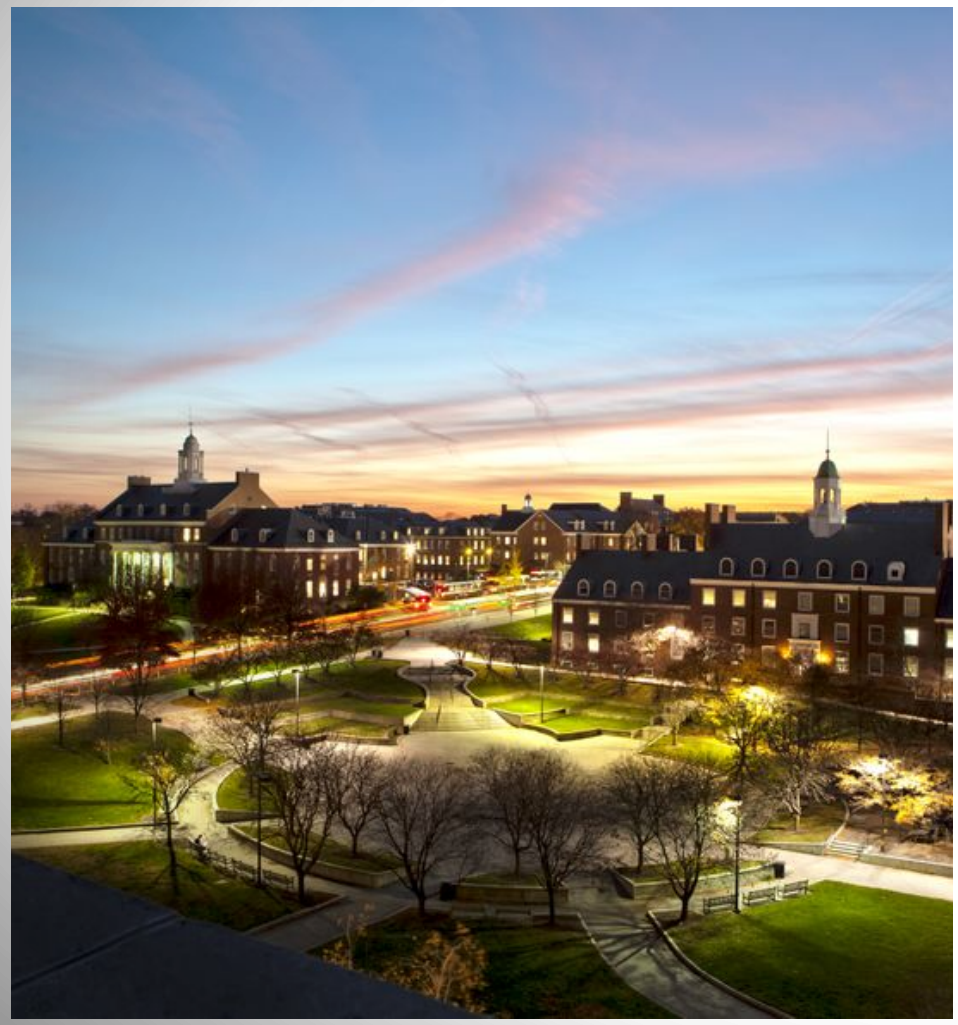
6. **DECEMBER 4 - FREDRIK FATEMI**

   Associate Director, Branch Chief for Quantum Sciences, The CCDC Army Research Laboratory

7. **TBD**

8. **TBD**

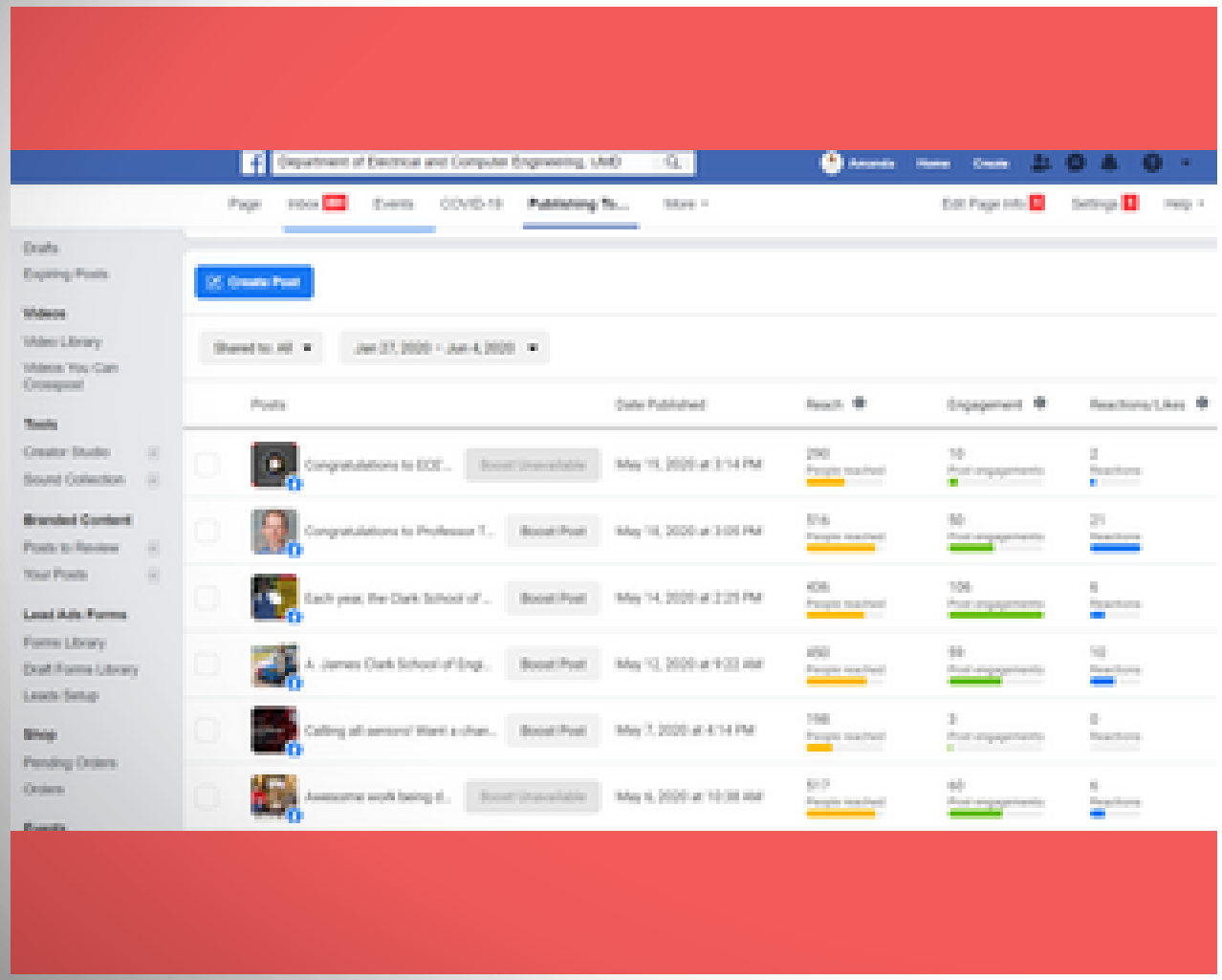
OTHER FALL EVENTS



- **DISTINGUISHED ALUMNI AWARDS**
  - -George Barnes, Deputy Director, National Security Agency
  - -Jie Chen, Professor, University of Alberta
  - -Alan Pue, Chief Scientist, JHUAPL
  - -Amit Roy-Chowdhury, Professor and Chair, University of California, Riverside
  - -Anuja Sonalker, CEO, SteerTech
- **ECE VIRTUAL CAREER FAIR**
- **IEEE LEADERSHIP SEMINARS**
- **TECH TALKS**

SOCIAL OUTREACH

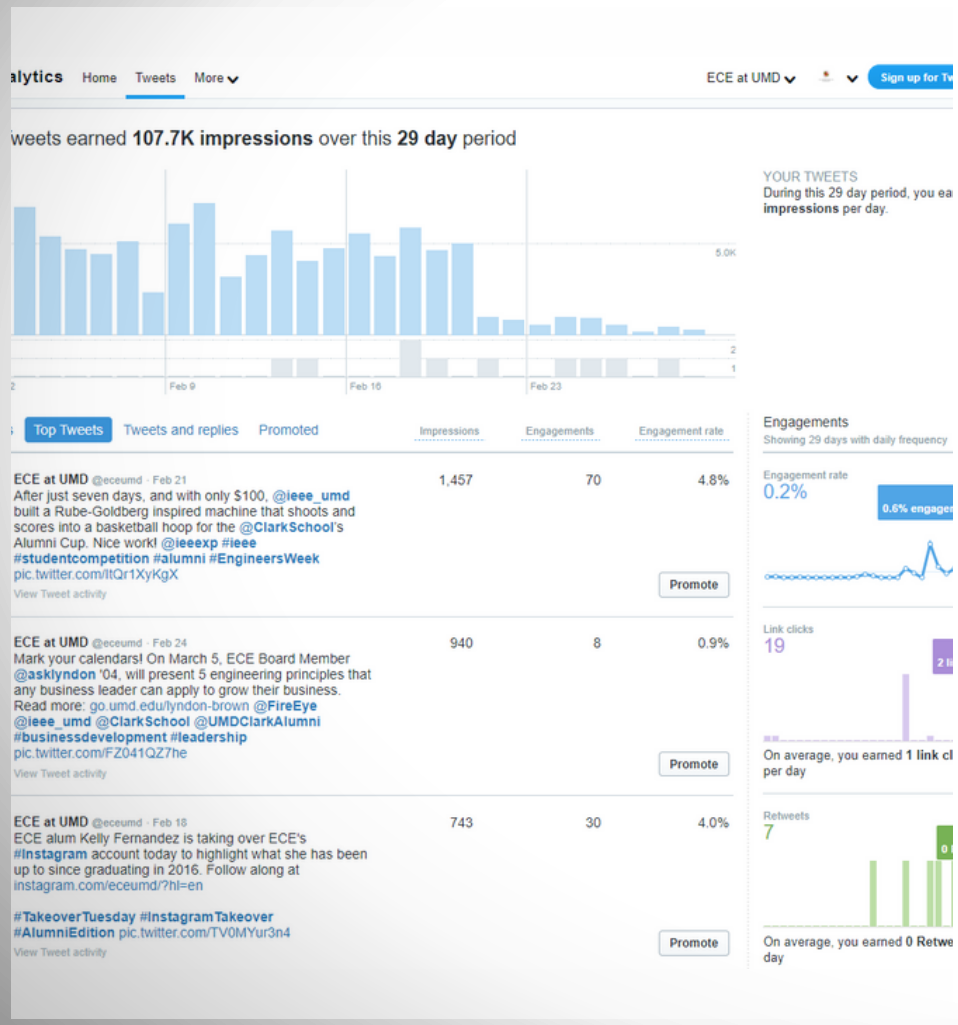
FACEBOOK



- **ECE FACEBOOK POSTS**

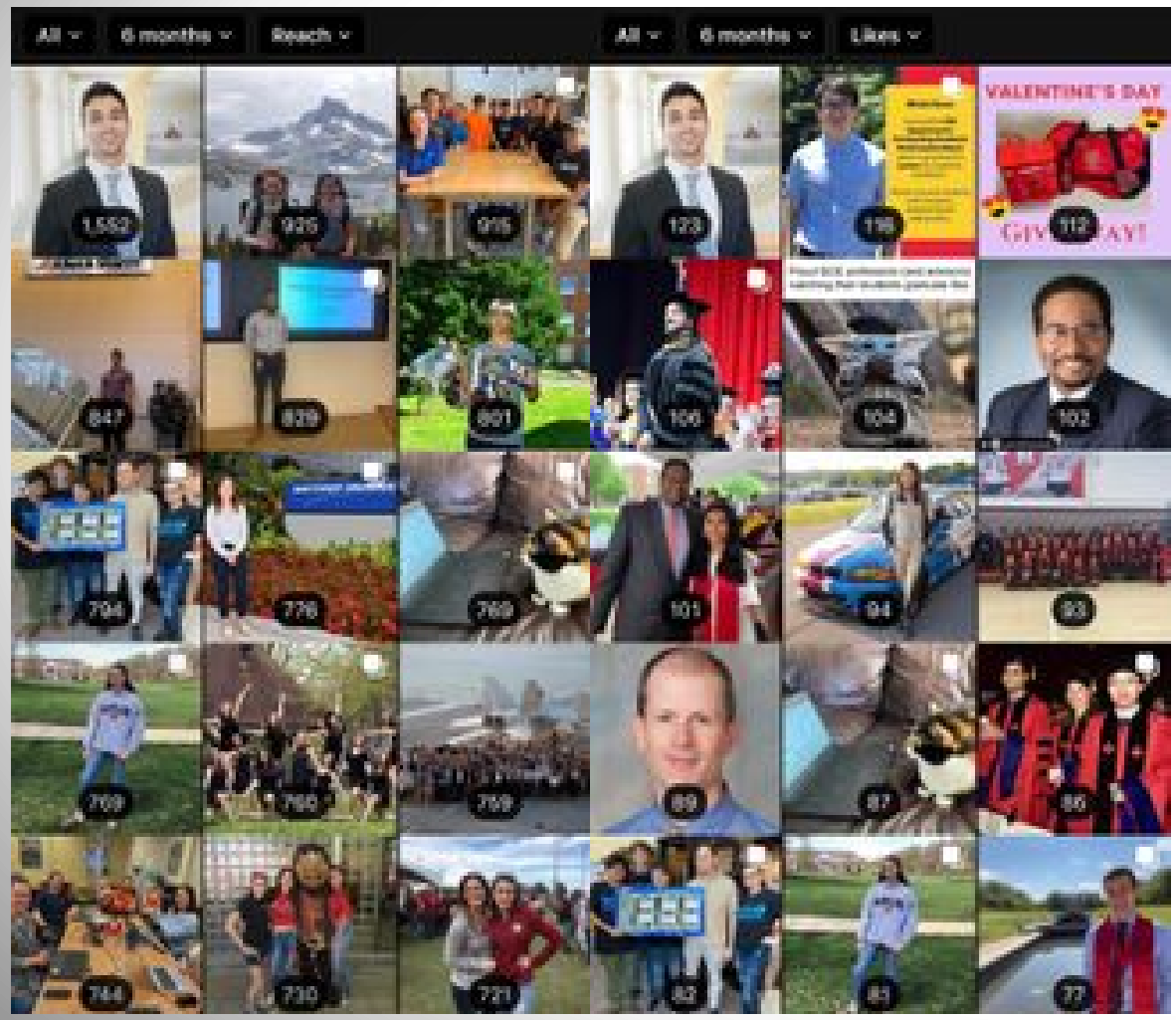
  -Engagement and reach of posts highlight faculty, student, and alumni stories.

TWITTER



- **HIGHEST ENGAGEMENT WAS IN FEBRUARY**

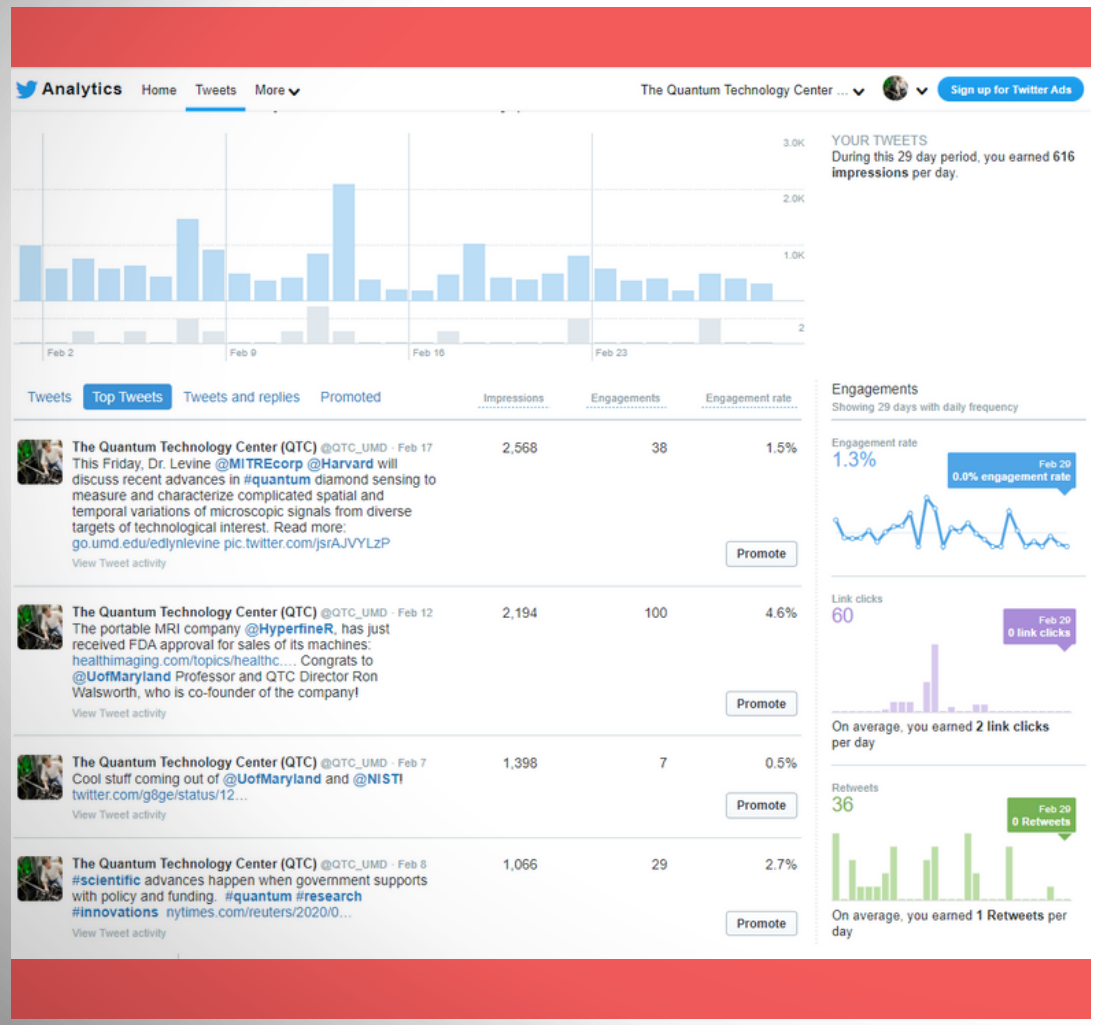
INSTAGRAM



- **INSTAGRAM REACH AND LIKES**

  Many of the posts with the highest engagement include student takeovers, and student and faculty awards.

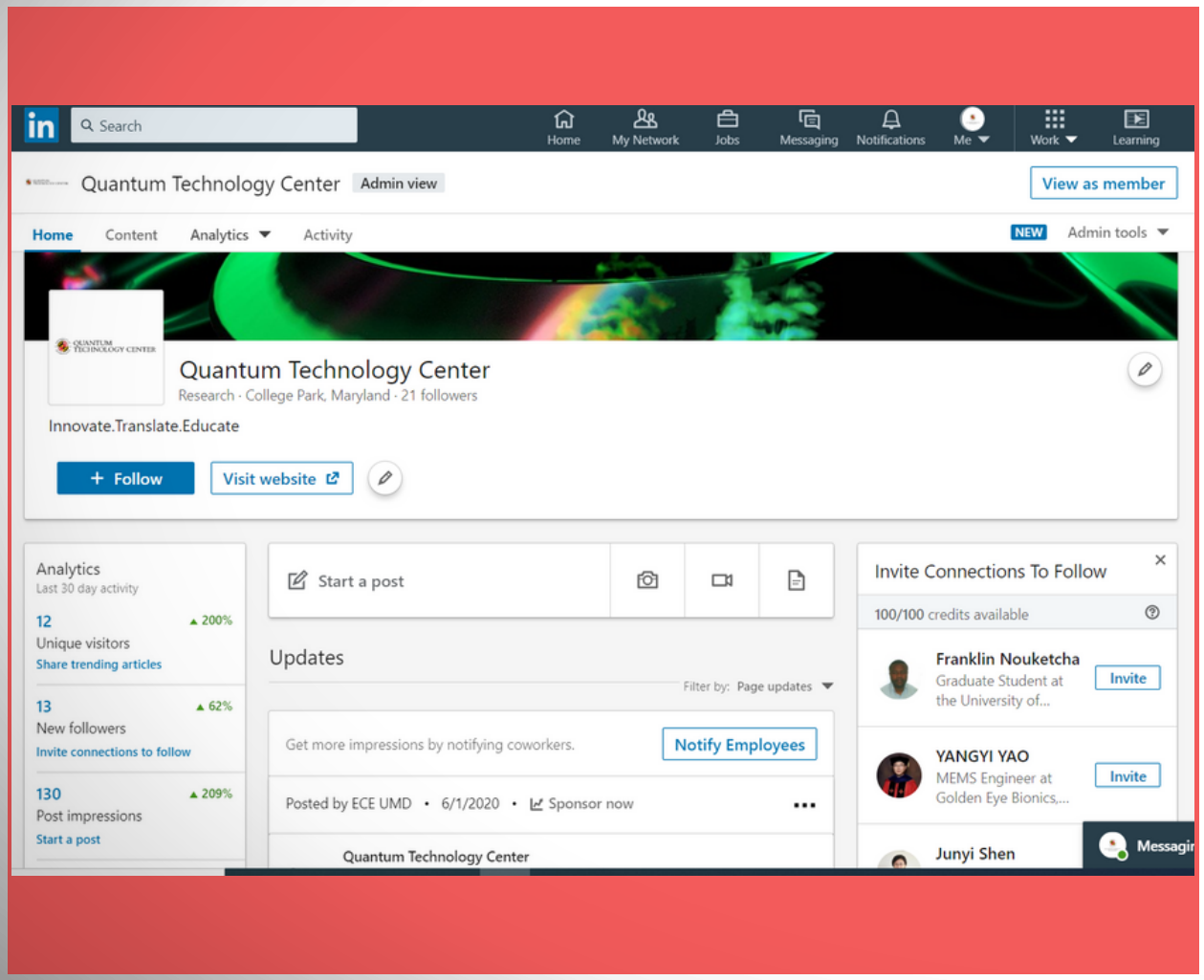
QTC SOCIAL



- **QTC TWITTER**

  Highest engagement numbers were in February

QTC SOCIAL



- **QTC LINKEDIN PAGE**

  LinkedIn page was created in May 2020

  -Still growing!