

# 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

Thursday, March 5, 2020  
12:00-1:00 pm  
2460 A.V. Williams

**USING YOUR  
ENGINEERING SKILLS TO  
BUILD FAST-GROWING  
COMPANIES**



**Lyndon Brown**  
VP, Business Development  
FireEye Inc.

## IEEE LEADERSHIP SEMINAR

March 5

Lyndon Brown, VP, Business Development, FireEye Inc.  
-15-20 students attended

# ON-CAMPUS EVENTS

## ECE SPRING CAREER FAIR

FRIDAY, MARCH 6, 2020  
KIM ENGINEERING BUILDING, ROTUNDA  
11 AM-4 PM

Bring copies of your resume and network with employers to discuss internship and full-time job opportunities. All ECE Undergraduate and Graduate students are encouraged to attend.  
Professional Dress Expected.



## 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



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](http://ece.umd.edu) or contact ECE's Advising Department at [eceadvise@umd.edu](mailto: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.

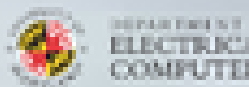
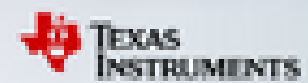
-Event Participants Included:

Joseph JaJa, Chair

June Xu, Current Student

Sonal Deshpande, Alumni

# VIRTUAL EVENTS



TI TECH TALK:

## BUILDING SENSOR NETWORKS WITH HARDWARE IN THE INTERNET OF THINGS

MARK EASLEY, UNIVERSITY MARKETING MANAGER

April 30, 2020 | 5:00 PM

Webinar

## 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

## Department of Electrical and Computer Engineering

### Alumni & Friends Virtual Tech Talk

with Maryland Cybersecurity Center (MC2) Director,  
Charalampos Papamanthou

May 28, 2020  
5 PM - 6 PM EST



**Joseph JaJa**

Professor and Department Chair,  
Electrical and Computer  
Engineering

**Charalampos Papamanthou**

Professor, ECE  
Director, Maryland Cybersecurity  
Center

**Maurice Boissiere '89**

Chief Customer Officer,  
DataTribe

Join us on Thursday, May 28, for an Alumni & Friends Information Session with the ECE Department and MC2!

#### Session Schedule

- ECE Vision and Update
- MC2 Vision and Update
- Discussion of Trends in Cybersecurity Research and Innovation
- Discussion of Education of the future workforce in Cybersecurity
- Q&A



DEPARTMENT OF  
ELECTRICAL &  
COMPUTER ENGINEERING



MARYLAND  
CYBERSECURITY CENTER

RSVP: <https://go.umd.edu/mc2infosession>

[ece-pr@umd.edu](mailto:ece-pr@umd.edu)

## 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



FREE On-Demand Course in Networking

May 31-June 6

WE TAKE ON THE  
WORLD'S TOUGHEST  
CHALLENGES. SO YOU  
DON'T HAVE TO.

Because no matter how complex, how advanced, or how intricate a network is, it's the most successful when it goes unnoticed.

Juniper Networks | Engineering  
Simplicity

## Interested in a potential career in the networking industry?

According to one recent survey by training specialist Global Knowledge, 38% of IT decision-makers struggle to hire cybersecurity professionals while 34% can't find the cloud talent they need. Nearly 70% total say that hiring in general is somewhat or extremely difficult. Supply has yet to catch up to demand in these areas, and unsurprisingly salaries for those with related certifications, including Juniper, remain highly competitive. The world's biggest and busiest wired and wireless carriers, content and Internet service providers, cloud and data center providers, and cable and satellite operators all run on Juniper Networks. Juniper Networks certifications can help you stand out in a competitive employment market.

## Now, interested in learning more about networking from one of the world's leading vendors?

Juniper Networks, in cooperation with the Department of Electrical and Computer Engineering, is offering a FREE on-demand course in networking including access to their cloud-based lab environment the week of May 31-June 6. In addition, students who take the course will be eligible to receive a free voucher allowing them to take the corresponding Juniper Associate level certification exam. Best of all, right now you can take the course, access the labs, and even take the certification exam remotely. Sign up now for Juniper's Introduction to the Junos Operating System, a three-day course that provides students with the foundational knowledge required to work with the Junos operating system and to configure Junos devices.



Register by May 25: [go.umd.edu/junipercourse](https://go.umd.edu/junipercourse)

## 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**



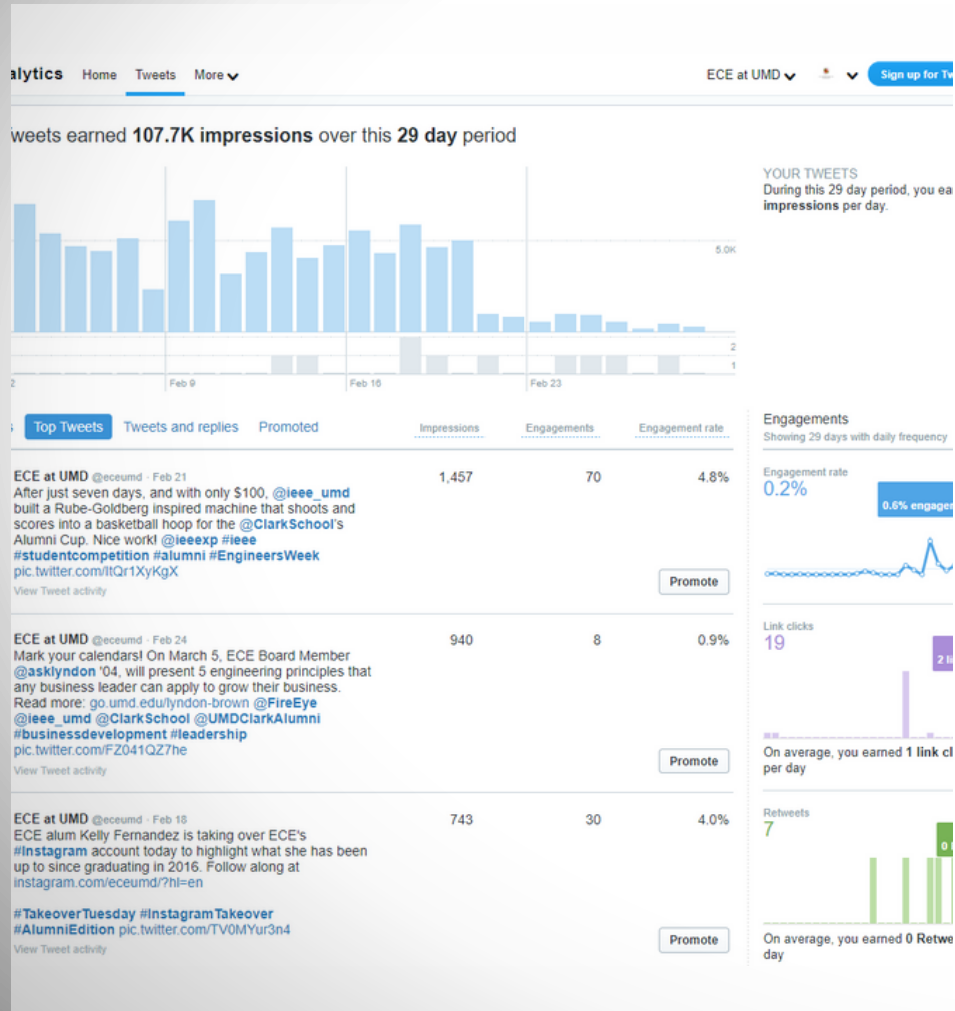
# FACEBOOK

The screenshot displays the Facebook interface for the 'Department of Electrical and Computer Engineering, UofT'. The page is set to 'Public' and shows a list of posts. The left sidebar contains navigation options like 'Drafts', 'Expired Posts', 'Videos', 'Tools', and 'Shop'. The main content area shows a table of posts with the following data:

Posts	Date Published	Reach	Engagement	Reactions/Likes
Congratulations to ECE... <a href="#">Boost Post</a>	May 19, 2020 at 3:14 PM	290 People reached	10 Post engagements	2 Reactions
Congratulations to Professor T... <a href="#">Boost Post</a>	May 18, 2020 at 3:08 PM	576 People reached	50 Post engagements	21 Reactions
Sixth year, the Dark School of... <a href="#">Boost Post</a>	May 14, 2020 at 2:25 PM	408 People reached	106 Post engagements	8 Reactions
A James Clark School of Eng... <a href="#">Boost Post</a>	May 12, 2020 at 9:32 AM	490 People reached	89 Post engagements	10 Reactions
Calling all seniors! Work a cha... <a href="#">Boost Post</a>	May 7, 2020 at 4:14 PM	198 People reached	3 Post engagements	0 Reactions
Awesome work being d... <a href="#">Boost Post</a>	May 6, 2020 at 10:38 AM	517 People reached	60 Post engagements	6 Reactions

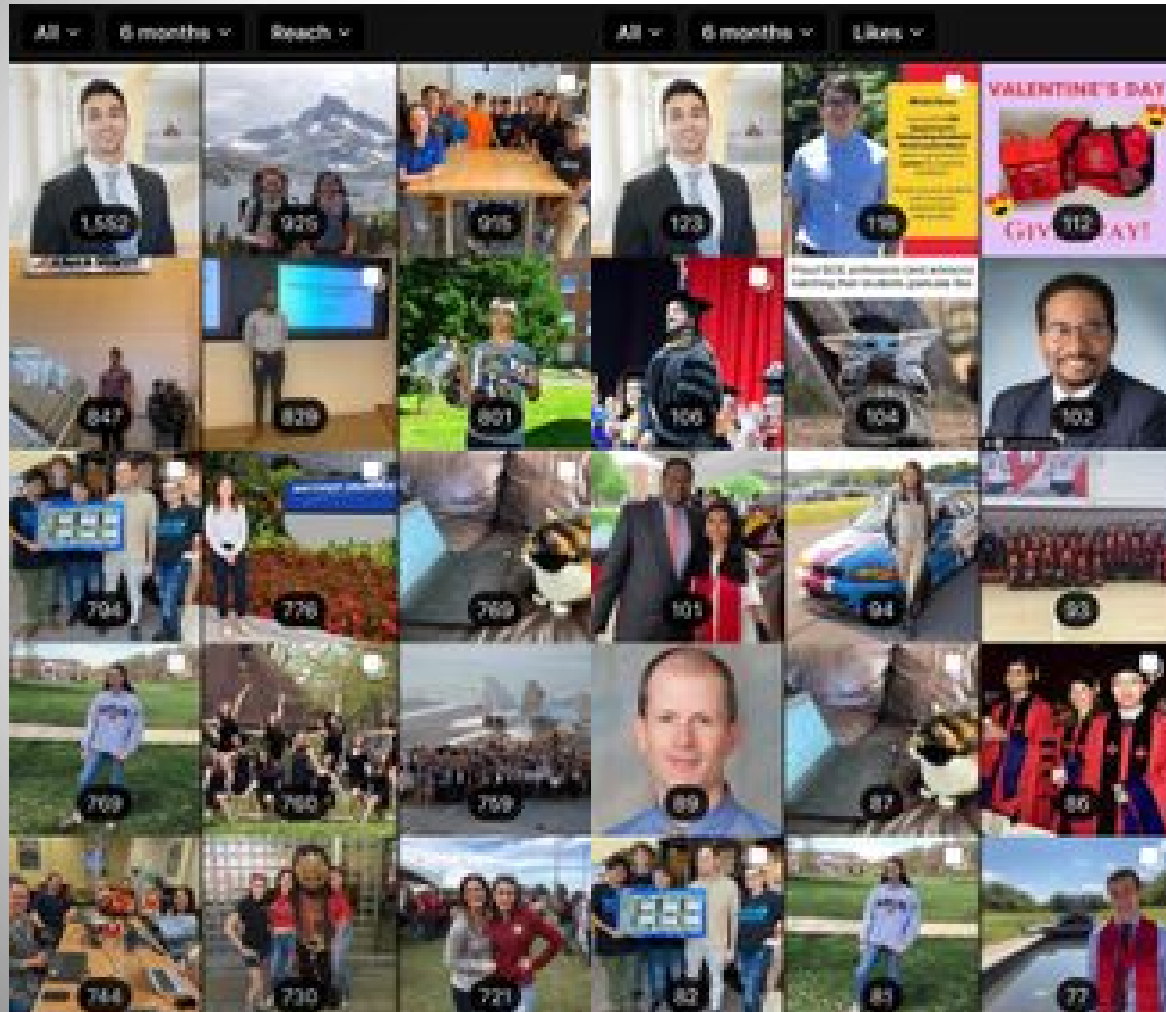
- **ECE FACEBOOK POSTS**  
-Engagement and reach of posts highlight faculty, student, and alumni stories.

# TWITTER



● HIGHEST ENGAGEMENT WAS IN FEBRUARY

# INSTAGRAM

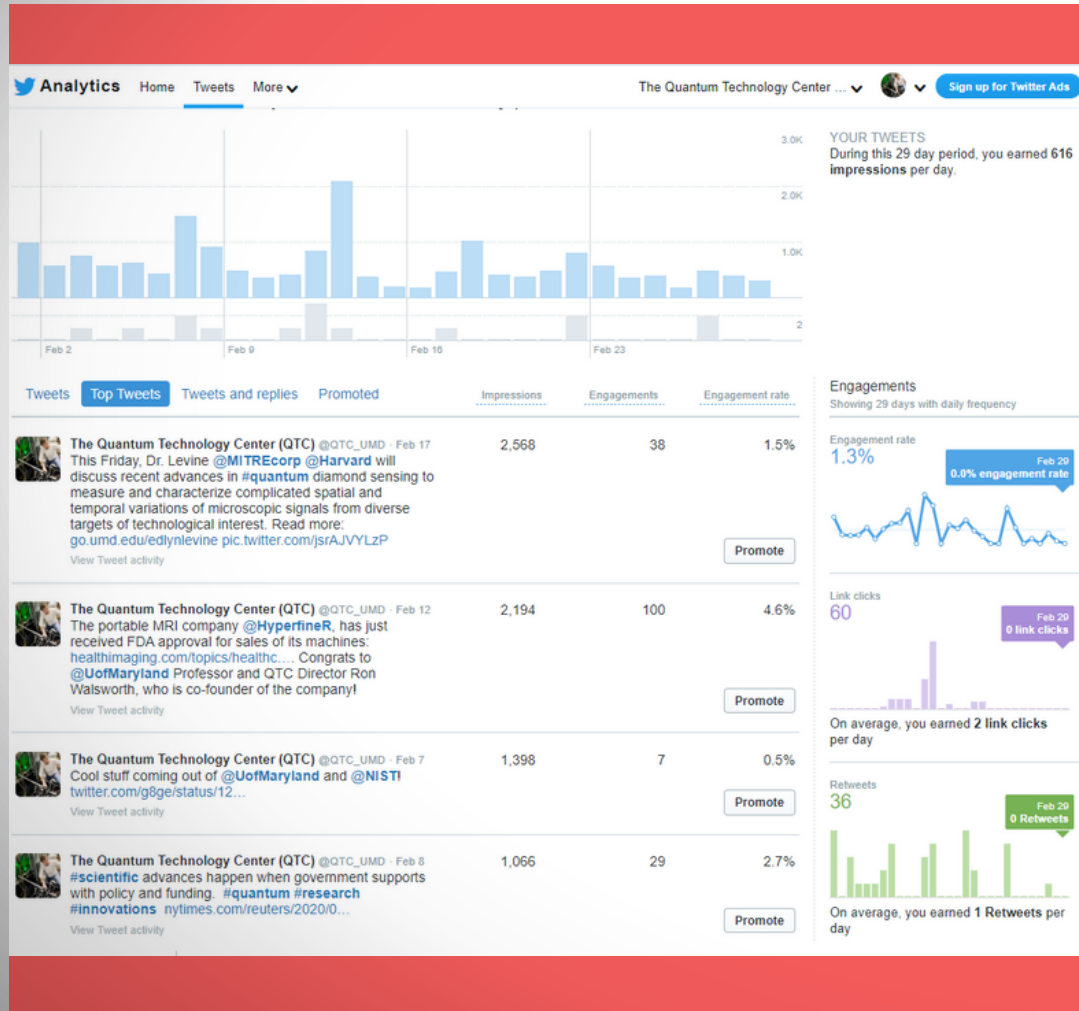


- **INSTAGRAM REACH AND LIKES**

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

The screenshot shows the LinkedIn page for the Quantum Technology Center, viewed from an administrative perspective. The page header includes the LinkedIn logo, a search bar, and navigation icons for Home, My Network, Jobs, Messaging, Notifications, Me, Work, and Learning. The main header area displays the organization's name, 'Admin view', and a 'View as member' button. Below this, there are tabs for Home, Content, Analytics, and Activity, along with a 'NEW' badge and 'Admin tools' dropdown. The main content area features a banner image with a green and blue abstract design. The organization's profile information includes the name 'Quantum Technology Center', location 'Research · College Park, Maryland', and '21 followers'. The tagline 'Innovate.Translate.Educate' is displayed below the name. There are buttons for '+ Follow' and 'Visit website'. The left sidebar contains an 'Analytics' section with three metrics: '12 Unique visitors' (up 200%), '13 New followers' (up 62%), and '130 Post impressions' (up 209%). The main content area has a 'Start a post' button and an 'Updates' section. A 'Notify Employees' button is visible in the updates section. The right sidebar features an 'Invite Connections To Follow' section with 100/100 credits available, listing three individuals: Franklin Nouketcha, YANGYI YAO, and Junyi Shen, each with an 'Invite' button. A 'Messaging' button is also visible at the bottom right of the sidebar.

- **QTC LINKEDIN PAGE**

LinkedIn page was created in May 2020

-Still growing!