# ECE EVENTS & OUTREACH

Fall 2020

DEPARTMENT OF
ELECTRICAL &
COMPUTER ENGINEERING

# SUMMER EVENTS

## NEW STUDENT WELCOME & INFORMATION SESSION

- **July 30**
- Objective: Develop a sense of community among freshmen students
- Audience: New incoming freshmen students and families
- Joseph JaJa provided a department overview
- The Undergraduate Team discussed classes
- Peer Mentor Program overview
- Lyndon Brown ‘04 and Kelly Fernandez ‘16 discussed their experiences
- 50 in attendance

# SUMMER EVENTS

## EMBEDDED SYSTEMS AND IOT INFORMATION SESSION

- **August 24**
- Prof Mel Gomez gave an overview on Department initiatives in this field and discussed the Shady Grove Program
- Ron Zahavi (Microsoft) gave an industry perspective
- 95 registered/attended (alumni, students, faculty)

# FALL BOOZ ALLEN HAMILTON COLLOQUIUM SPEAKERS

Average Number of Attendees: XX

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, Queen's University, Ontario, Canada
5. **OCTOBER 23 - RACHAEL MYERS-WARD**
   Director, High Power Electronics Branch / Power Materials Section,
   US Naval Research Lab
6. **NOVEMBER 6 - DENNIS ANDRUCYK**
   Center Director, NASA Goddard Space Flight Center
7. **NOVEMBER 13 - REZA GHANADAN**
   Senior Manager, Google Cloud AI
8. **NOVEMBER 20 - THOMAS MURPHY**
   Professor, Electrical and Computer Engineering
   Director, Institute for Research in Electronics and Applied Physics
9. **DECEMBER 4 - FREDRIK FATEMI**
   Branch Chief for Quantum Sciences, The CCDC Army Research Lab
   Associate Director, Quantum Technology Center

# IEEE LEADERSHIP SEMINARS

## OCTOBER 7

**Anuja Sonalker, CEO, SteerTech**

*held in conjunction with the Clark School's Whiting-Turner Lecture Series*

-Over 60 in attendance

## OCTOBER 15

**Rodney Oddeye, Senior VP, BG&E**

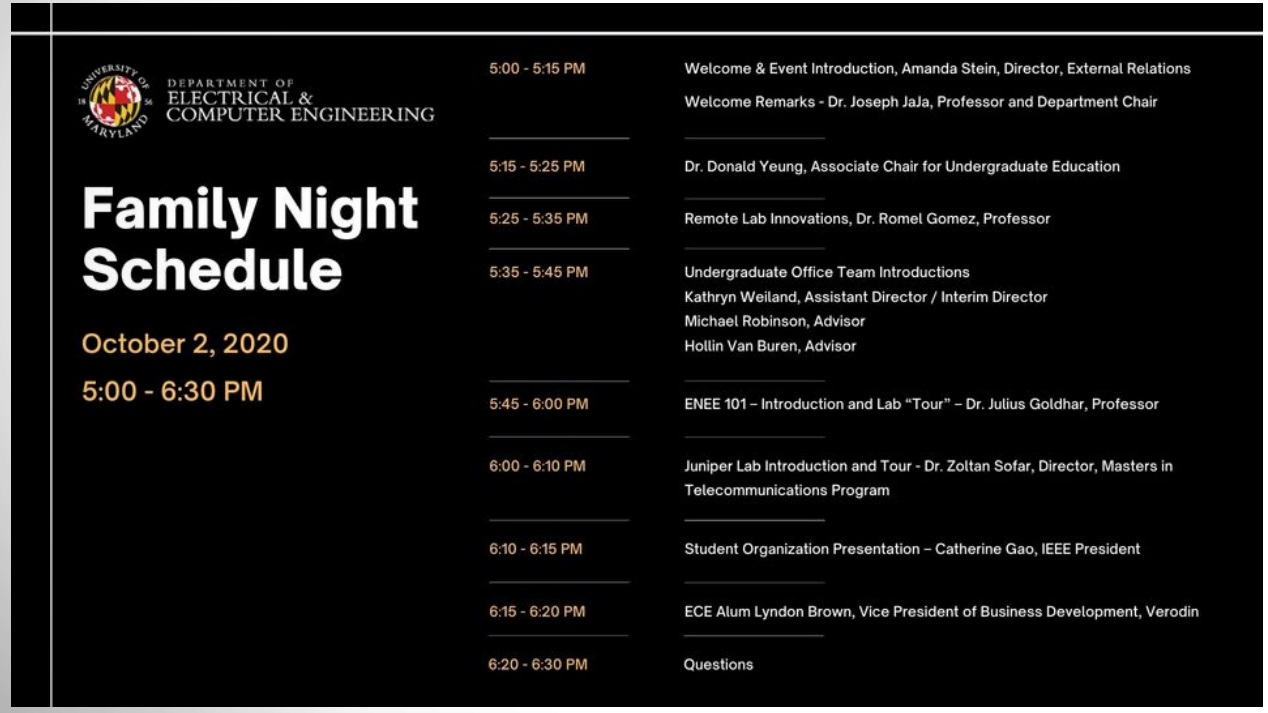
-20 in attendance

## NOVEMBER 13

**Rose Faghih, Assistant Professor, University of Houston**

-20-25 in attendance

# EVENTS




## FAMILY NIGHT

- **October 2: 5-7 PM**
- 68 students and parents registred/attended

# EVENTS

## ECE FALL CAREER FAIR

- **October 16: 11 AM - 4 PM**
- Objective: Provide students with an opportunity to network and search for jobs and internships
- Audience: All current ECE Undergraduates
- 128 students attended
- 38 employers attended

# EVENTS

## DISTINGUISHED ALUMNI AWARDS

- **October 29**
- Objective: Recognize and award distinguished ECE alumni for their major contributions during annual ceremony
- 29 guests attended
- Awardees:
- **George Barnes,** Deputy Director, National Security Agency
- **Jie Chen,** Professor, University of Alberta
- **Amit Roy-Chowdhury,** Professor and Chair, University of California, Riverside
- **Alan Pue,** Chief Scientist, JHUAPL
- **Anuja Sonalker,** CEO, SteerTech

# FIRESIDE CHATS

## DISCUSSION WITH PERCY PIERRE, PHD

September 29

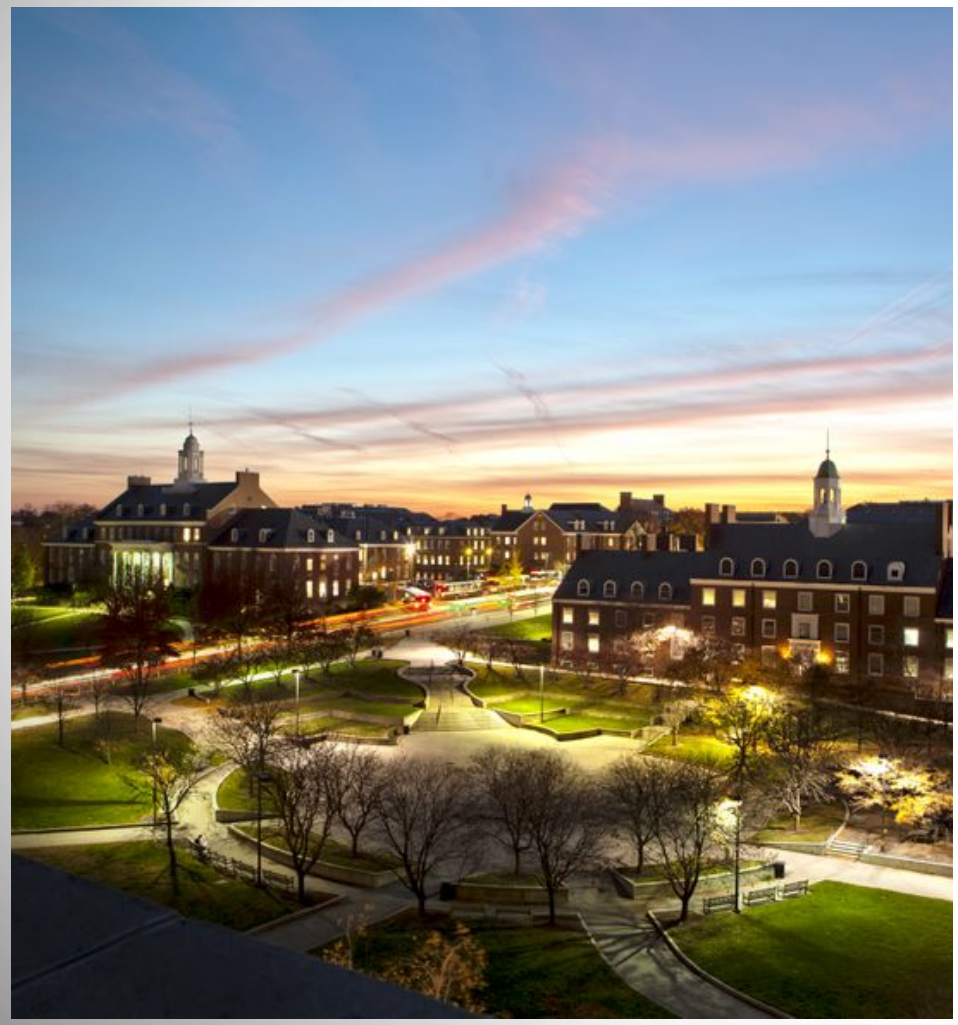
-30 registered

## CAPSTONE DESIGN PRESENTATION: AUTONOMOUS CONTROL OF INTERACTING ROBOTS

December 10

-50 registered

# OTHER FALL EVENTS



- NRL-UMD VIRTUAL SIGNING CEREMONY
- TEXAS INSTRUMENTS INFORMATION SESSION AND WORKSHOP
- INTRODUCTION TO JUNIPER SECURITY (IJSEC) COURSE
- MIST WEBINAR (JUNIPER NETWORKS)
- ECEGSA ACADEMIC CAREER PANEL

# PHILANTHROPY

## THANK YOU TO OUR ADVISORY BOARD MEMBERS FOR THEIR PHILANTHROPY THIS YEAR!

**CORPORATE AFFILIATES/FELLOWSHIPS**

**IDEA FACTORY**

**STUDENT CRISIS FUND**

# PRINT MARKETING

- **ANNUAL CONNECTIONS ALUMNI MAGAZINE**
  - Feature: Embedded Systems and IoT
  - Distributed November 2020 to alumni and peers
  - Increased to 36 pages

# SOCIAL OUTREACH

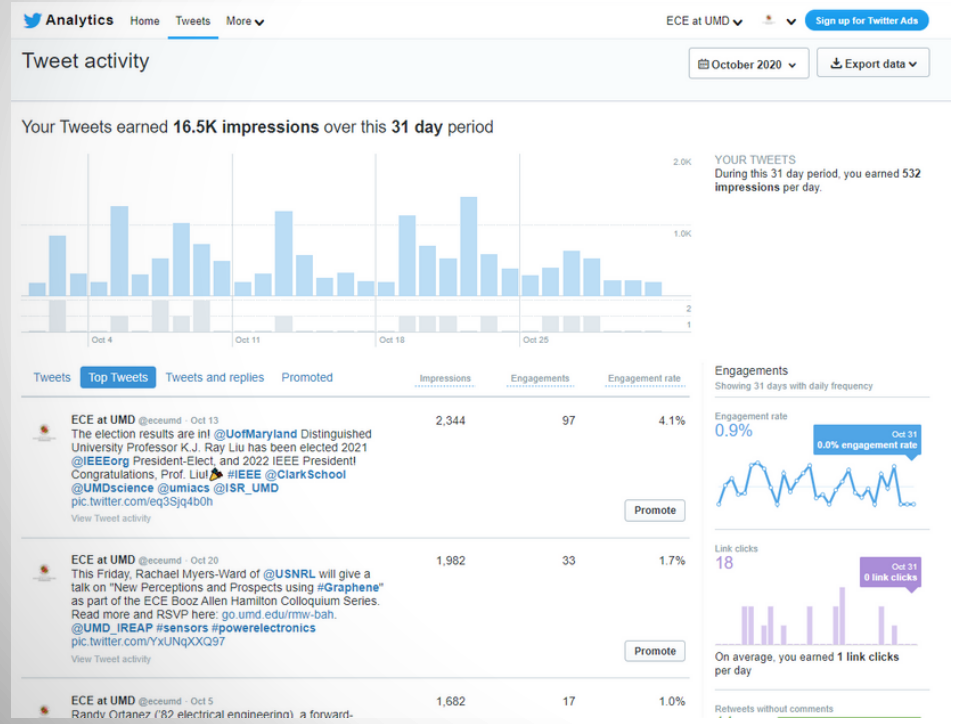
# FACEBOOK

| | | | | | | |
|---|---|---|---|---|---|---|
| 10/21/2020 6:27 PM | The ECE Department's annual Distinguished Alumni Awards will be | | | 312 | 5% | Boost Post |
| 10/19/2020 3:42 PM | Congratulations to Thomas Murphy for being named a Distinguished | | | 468 | 9% | Boost Post |
| 10/13/2020 1:56 PM | The election results are in! We are excited to announce that | | | 760 | 8% | Boost Post |
| 10/05/2020 2:52 PM | Coming to the U.S. was "a dream come true," says Randy Ortanez ('82 | | | 245 | 2% | Boost Post |
| 10/05/2020 11:03 AM | Join us this Wednesday evening for a talk by ECE alum, Anuja Sonalker. | | | 235 | 4% | Boost Post |
| 10/01/2020 3:48 PM | Hello ECE Undergraduate Students and Families! Join us virtually | | | 277 | 4% | Boost Post |
| 09/25/2020 4:00 PM | Join our team! The ECE Department is seeking a Program Coordinator to | | | 290 | 2% | Boost Job |
| 09/25/2020 3:58 PM | Join us next Tuesday for this exciting event! | | | 193 | 0.518% | Boost Post |
| 09/14/2020 5:01 PM | The ECE Department moved up to No. 17 (computer engineering) and | | | 438 | 9% | Boost Post |
| 08/19/2020 4:17 PM | | | | 230 | 2% | Boost Post |
| 07/22/2020 1:55 PM | Published today in Nature, Quantum Technology Center researchers and | | | 334 | 2% | Boost Post |

- **FACEBOOK: TOP POST IN OCTOBER**

  Top Post: Professor K.J. Ray Liu elected 2021 IEEE President-Elect

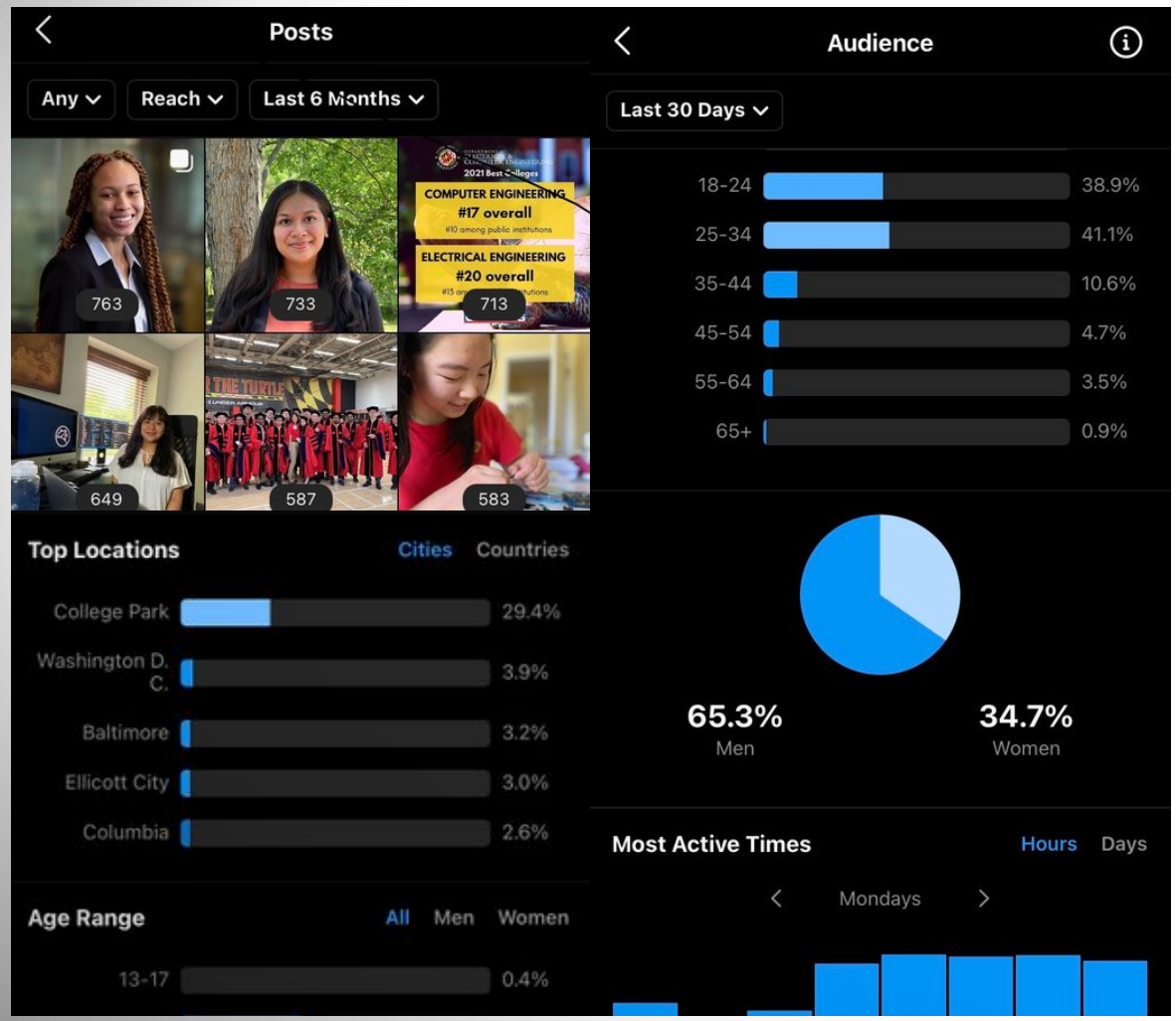
# TWITTER




- **HIGHEST ENGAGEMENT IN OCTOBER**

  Top Tweet: Professor K.J. Ray Liu elected 2021 IEEE President-Elect

# INSTAGRAM

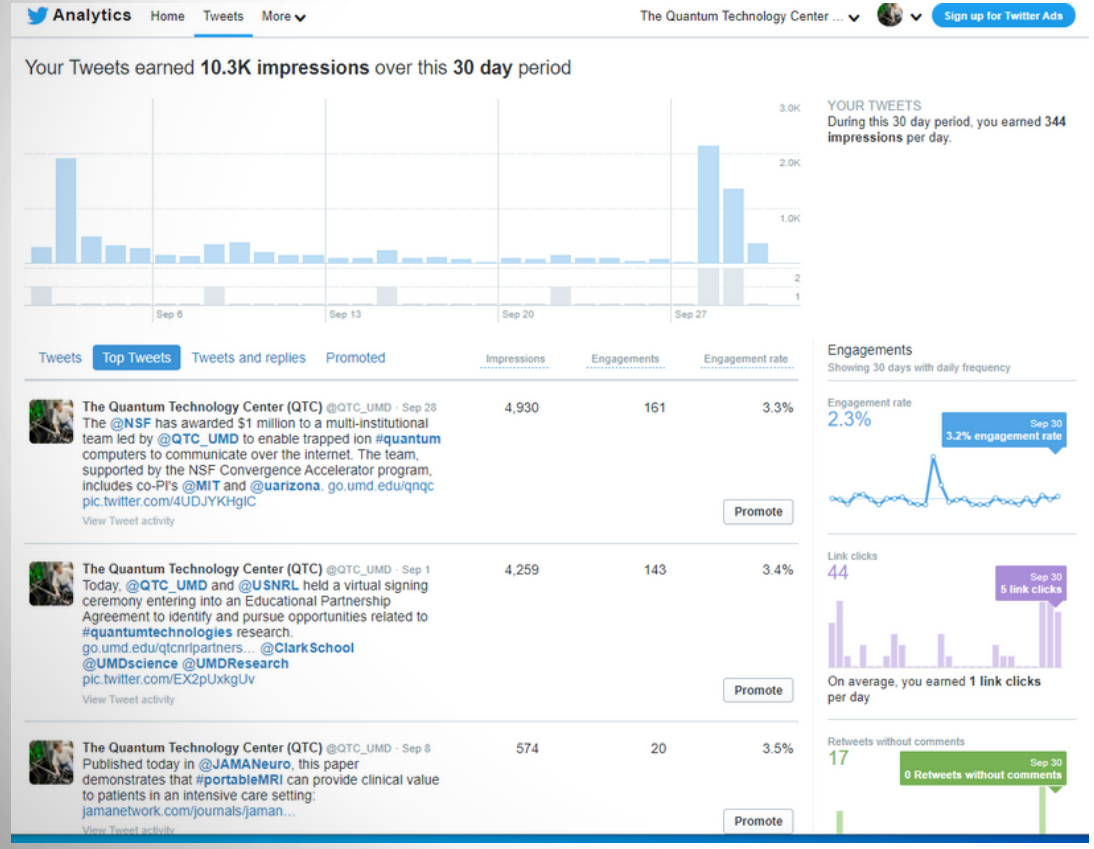



- **INSTAGRAM REACH AND LIKES**

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

  -Close to 1K followers

# QTC SOCIAL

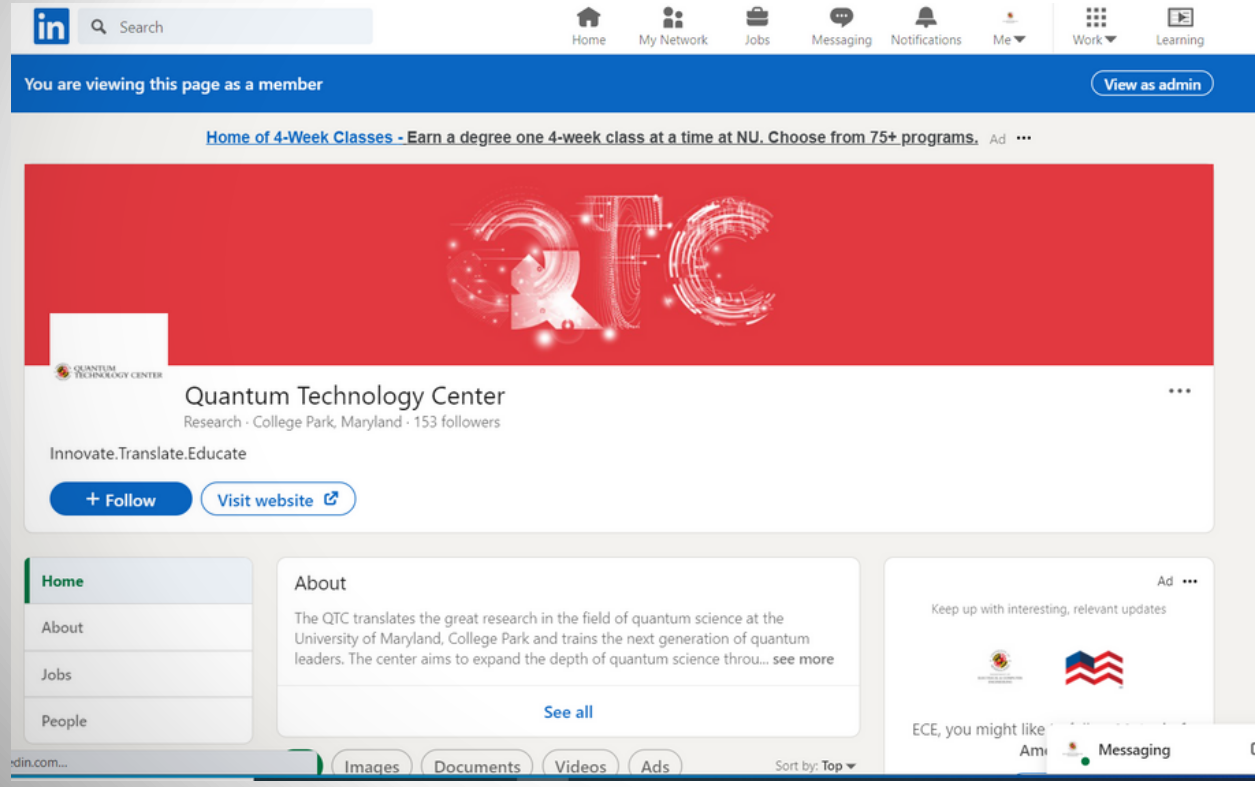



- **QTC TWITTER**

  Highest engagement numbers were in June and September

  Top Tweet: UMD to Lead $1M NSF Project to Develop a Quantum Network to Interconnect Quantum Computers

# QTC SOCIAL




- **QTC LINKEDIN PAGE**

  LinkedIn page was created in May 2020

  (21 Followers)

- **NOW 153 FOLLOWERS**

# SPRING 2020 HIRING DATA

## CLARK SCHOOL- OVERALL

- 853 students
- 360 Unique Companies
- >37 employers hired 5 or more students
- 253 hired 1 student

## THE TOP EMPLOYERS

- Northrop Grumman – 55
- Naval Air Systems Command (NAVAIR) - 33
- Whiting-Turner - 27•
- Lockheed Martin - 23
- Naval Sea Systems Command (NAVSEA) 17
- Boeing - 15
- NASA - 13
- Accenture - 13
- Deloitte - 12
- MC Dean - 12
- JHU Applied Physics Lab (APL)- 11
- Amazon- 11

# SPRING 2020 HIRING DATA

- **CLARK SCHOOL HIGHLIGHTS COMPARED TO 2019**
  - Northrop Grumman employed the most in 2019 with 42 (up 2 from 2018)
  - Northrop Grumman employed 55 in 2020 (up 13)
  - JHAPL dropped from Top 10 (hired 11 in 2020, down 15 from 2019)
  - Accenture and MC Dean were not in the Clark School's top 10 in 2019
  - Amazon and Textron (way down) dropped out of the top 10

# SPRING 2020 HIRING DATA

## ELECTRICAL ENGINEERING

- 98 Students (grad and undergrad)
- 59 Unique Companies
- 45 hired 1 student

## COMPANIES THAT HIRED 3 OR MORE- 2020

- Northrop Grumman- 20
- NAVAIR- 3
- Naval Reactors - 3
- Jacobs - 3•
- ARL - 3
- Intel - 3

## TOP EMPLOYERS- 2019

- Northrop Grumman- 14 (up 6)
- • NAVAIR - 11 (down 8)
- JHAPL - 9 (down 8)
- Textron - 5 (hired none in ECE
- Deloitte- 4 (hired no EEs)
- Amazon- 4 (hired no EEs)
- Google - 4 (hired none)

# SPRING 2020 HIRING DATA

## COMPUTER ENGINEERING

- 78 Students (undergrad only)
- 44 Unique Companies
- 32 hired 1 student

## TOP EMPLOYERS- 2019

- Capital One - 5 (up 1)
- Microsoft - 4 (same)
- Northrop Grumman - 3 (up 8)
- NSA - 3 (down 1)
- Amazon - 3 (up 1)
- Booz Allen Hamilton - 3 (same)
- Leidos - 3 (down 1)

## COMPANIES WITH MORE THAN 1 HIRE

- Northrop Grumman - 11
- Capital One - 6
- Microsoft - 4
- Amazon - 4
- Fannie Mae - 4
- Booz Allen Hamilton- 3
- JHUAPL - 3
- NSA - 2
- Bloomberg - 2
- Hughes Network Systems - 2
- Leidos - 2
- Thales- 2

# SPRING 2020 HIRING DATA

## MASTERS IN TELECOMMUNICATIONS

- 12 Students
- 7 Unique Companies
- 5 hired 1 student

## TOP EMPLOYERS- 2019

- Qualcomm - 6 (down 3)
- Amazon - 5 (down 1)
- Hughes - 3 (no hires)
- Cisco Systems - 3 (no hires)

## COMPANIES THAT HIRED 3 OR MORE- 2020

- Amazon - 4
- Qualcomm - 3
- Ultra Electonics - 1
- Leidos - 1
- Verizon - 1
- CCC Info Systems -1
- Square - 1

# SPRING 2020 HIRING DATA- SALARY

- **CLARK SCHOOL MEAN SALARY- $75,800**
- **EE MEAN SALARY- 79,700**
  - $76,900 in 2019
- **CE MEAN SALARY- $92,400 (HIGHEST AT UMD)**

  $89,600 in 2019