

# GRADUATE STUDIES

December 9, 2016



DEPARTMENT OF  
ELECTRICAL &  
COMPUTER ENGINEERING



# New Multi-Year Financial Offers

	<b>GSR</b>
Year 1	Fellow/Half-GRA
Year 2	GRA
Year 3	GRA or GTA
Year 4	GRA or GTA

	<b>GST</b>
Year 1	Fellow/Half-GTA
Year 2	GRA or GTA
Year 3	GRA or GTA

	<b>GTA</b>
Year 1	GTA
Year 2	GRA or GTA

- Fellowship offer with matching support (**GSR**) can be a **three-year** guaranteed offer or **four-year** offer if advisor commits year two GRA support.
- Fellowship offer without matching support (**GST**) is a **three-year** guaranteed offer.
- Teaching assistantship (**GTA**) is a **two-year** guaranteed offer.



## Total Offers

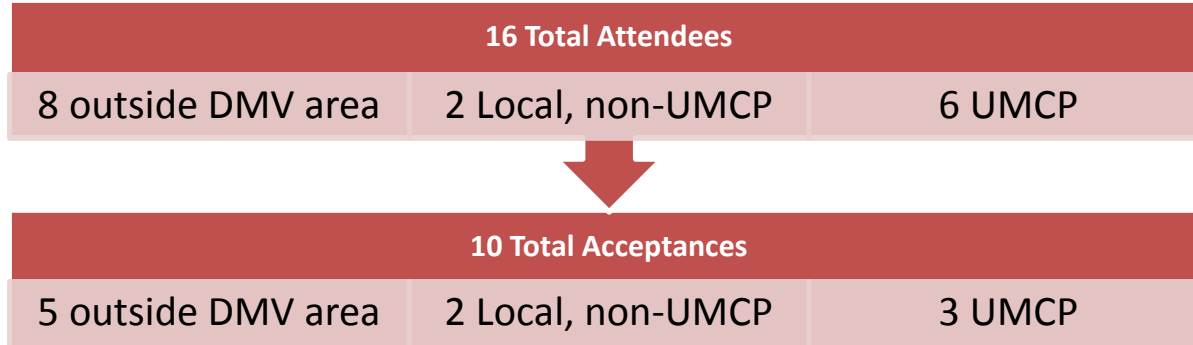
	<b>1508</b>	<b>1608 (1<sup>st</sup> round)</b>	<b>1608 (2<sup>nd</sup> round)</b>
Total	112	84	91
Accepted	37	30	35
Yield	33%	36%	38%

## Offers with Matching GRA support

	<b>1508</b>	<b>1608</b>
Total	37	30
Accepted	16	13
Yield	43%	43%



## In-person Event – Domestic Student Focus



## NEW! Virtual Faculty Panel Event – Targeted to International Students Offered Financial Aid





## Virtual Panel Recording: <http://ter.ps/visitday2016>

Video

Chat (Everyone)

Melanie Prange: Welcome! We will be starting the webcast in approximately 10 minutes.

Melanie Prange: We have now started the conference and audio.

Melanie Prange: Can everyone hear?

Subhojit Dutta: Yes!

Melanie Prange: Great, thanks Subhojit.

Abhishek Chakraborty: Yes ! :)

Changqing Wang: Yes!

Hossan Akbari: Yes!

Fakai Wang: Yes, though my network is a little slow

Melanie Prange: Fakai, sorry about the slow connection. We are recording the webinar and can send out the link later.

Devesh Singh: yes Loud and clear! :)

Fakai Wang: That's great, so considerate of you @Melanie

Hossan Akbari: Melanie, I have a similar problem with my internet connection. do you send the link to our email address?

Melanie Prange: Hossan - yes, we will send out the recording likely tomorrow. If you don't get the link, please email me.

Hossan Akbari: Great, thanks

Melanie Prange: Please submit any questions and I can ask them for you.

Melanie Prange: Professor Srivastava's presentation will be ending in around 5 minutes. Please feel free to write in any questions for him and I will gladly ask them on your behalf.

Melanie Prange: Does anyone have any questions?

Melanie Prange: We are going to turn the video feed off for a second to set up for the faculty panel. Stay tuned.

Subhojit Dutta: Sure!

Melanie Prange: We will restart the video and audio in a few minutes.

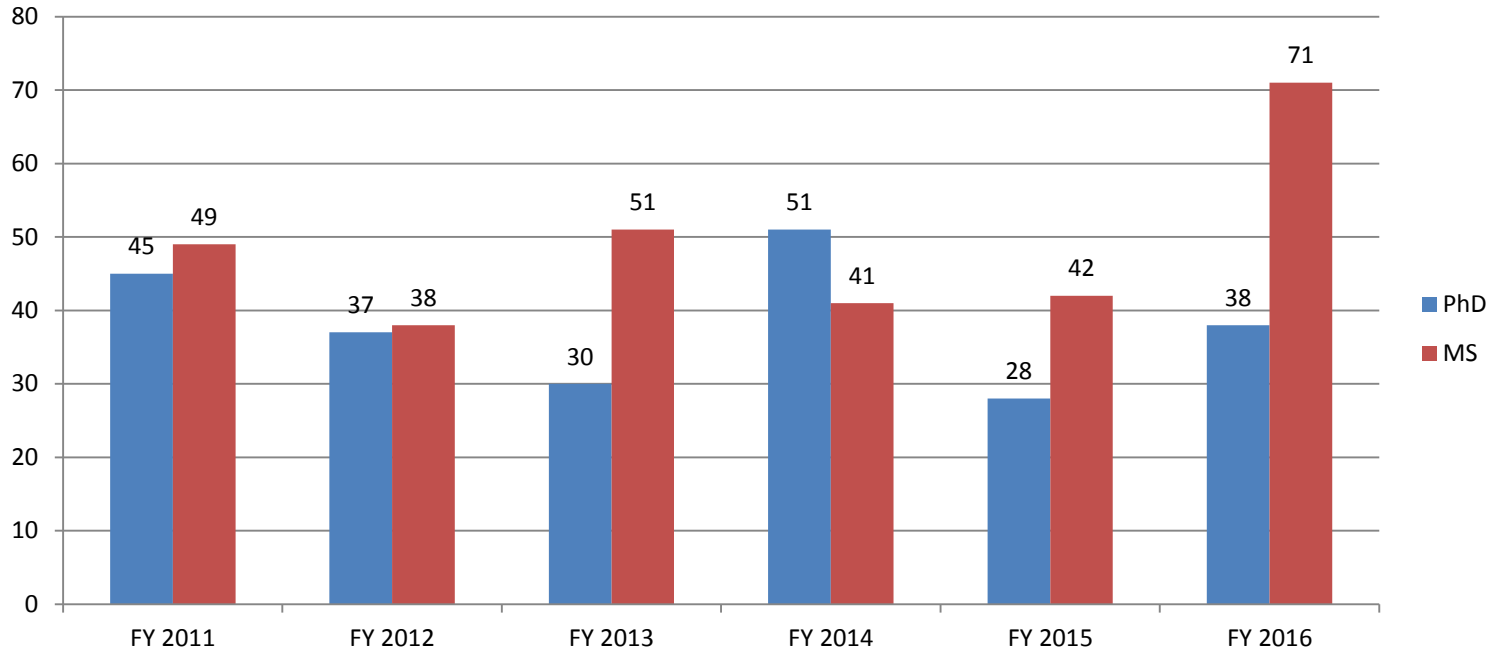
Melanie Prange: We are back! Please do not hesitate to ask the questions for the panel.

William Churns

A. JAMES CLARK  
SCHOOL OF ENGINEERING



# Degrees Granted

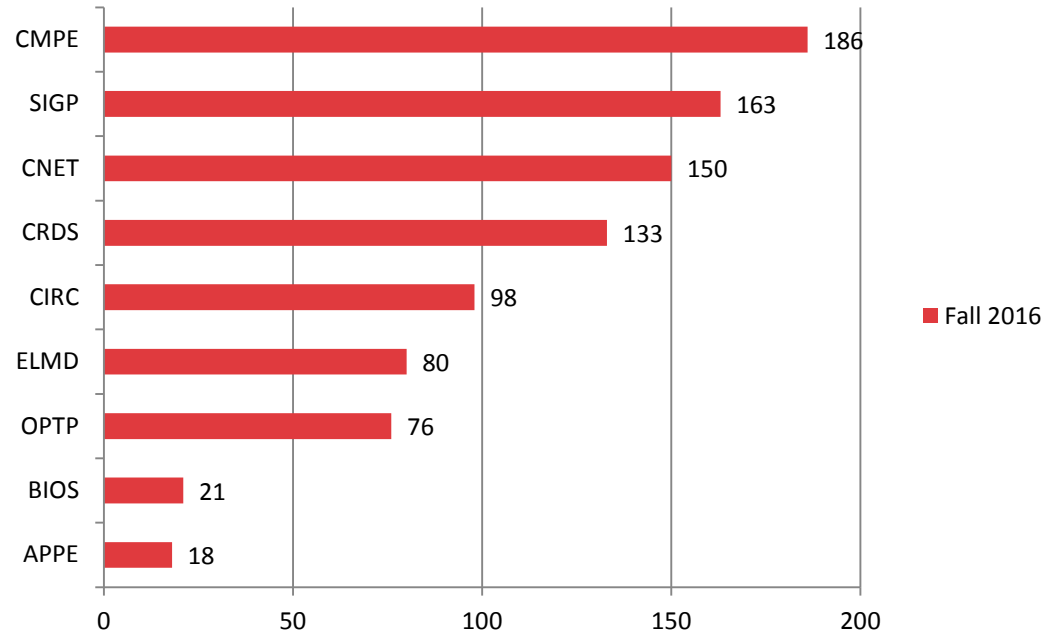




# Fall 2016 Applications

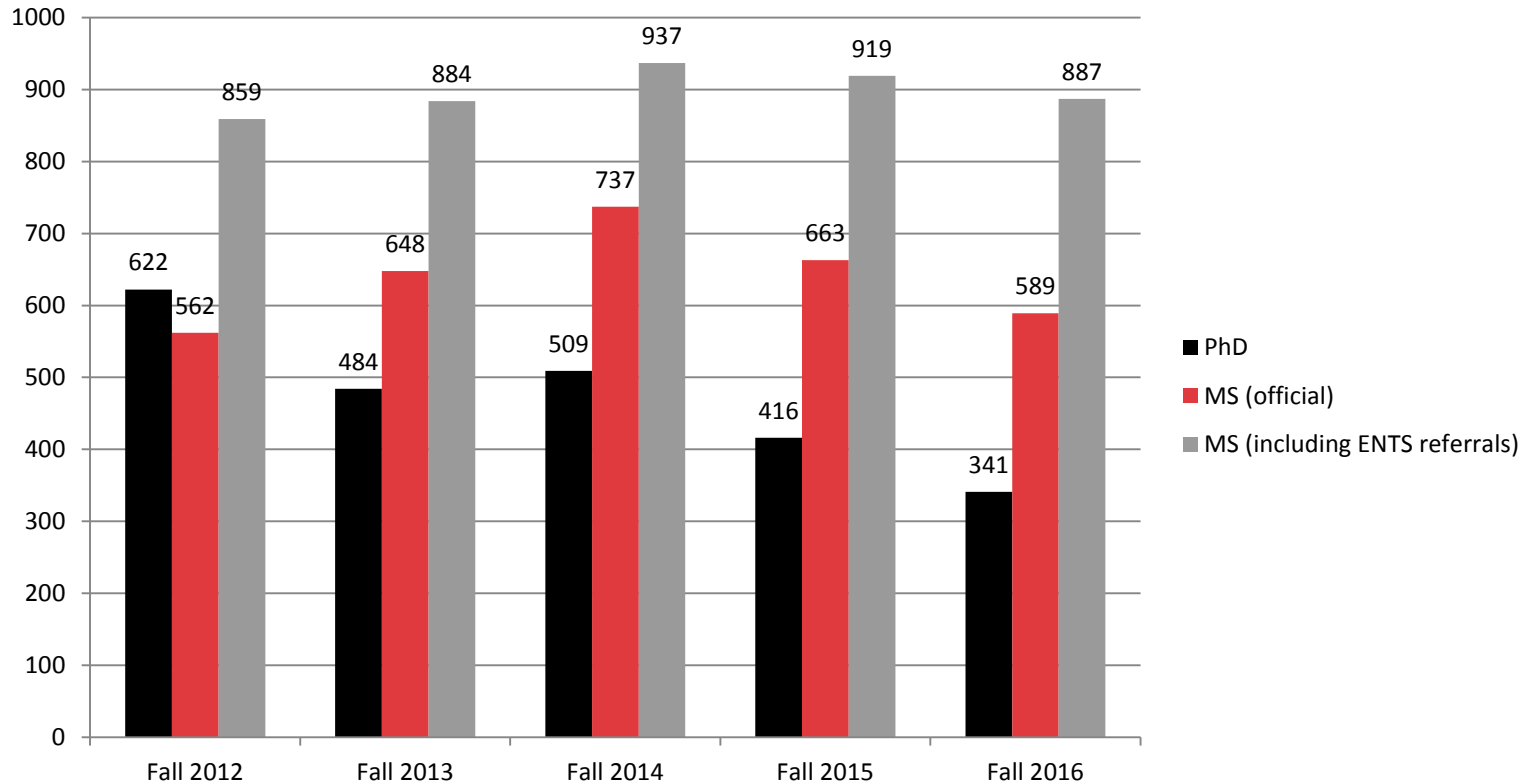
- **PhD Applications: 341**
- **MS Applications: 882**  
– 293 referred to ENTS

Fall 2016 Applications by Area  
(excludes ENTS referrals)





# MS, PhD Applications







# Market Analysis

Compared admission and enrollment details with our peer institutions and other BIG10 universities to ensure we are competitively aligned.

Actions Taken

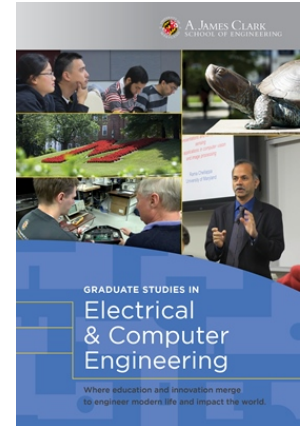
Revamped  
Financial Offers

Adjusted Priority  
Deadline from  
Dec. 1 to Dec. 16

Waived Ph.D.  
Application Fee

Increased  
Recruitment Efforts

- New brochure
- Virtual emphasis



New ECE Brochure



DEPARTMENT OF  
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# Open House – Oct. 2016

Hosted at and live streamed via the  
Seigel Learning Center

18 Local RSVPs

157 Virtual RSVPs

400+ Clicks

Professionally Produced & Recorded:

[go.umd.edu/ece-open-house16](http://go.umd.edu/ece-open-house16)

ELECTRICAL & COMPUTER ENGINEERING  
**GRADUATE OPEN HOUSE**  
UNIVERSITY OF MARYLAND

2016  
**OCTOBER 28**  
9am - 12pm Eastern Time

- ✓ Meet faculty & current students
- ✓ Join in-person or online - it's FREE!
- ✓ Learn about application fee waivers
- ✓ Visit [ece.umd.edu/graduate](http://ece.umd.edu/graduate) for more information

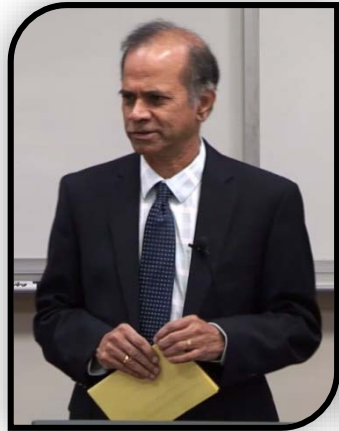
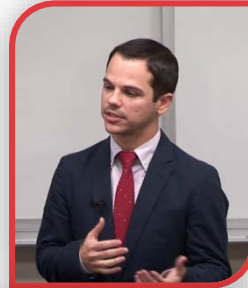
**REGISTER HERE**

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## Open House Agenda

- Welcome & Dept. Overview
- ECE Faculty Panel
- ECE Student Panel
- Submitting a Competitive Application Presentation





DEPARTMENT OF  
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# Welcome & Awards Ceremony



## Awards Recognized

- ECE Distinguished Dissertation Award
- Dean's Research Award
- Outstanding GA Award
- Northrop Grumman Scholarship
- Cisco Scholarship
- Leidos Scholarship
- Future Faculty Program



In fall 2016, we surveyed our graduate students about the department's course offerings. **67 students** responded. Topics requested included:

- **neural signal processing,**
- **machine learning,**
- **embedded systems,** and
- **power electronics.**

We are continually developing new courses.

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ENEE759G: Unsupervised Learning

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ENEE657: Computer Security

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ENEE759V: Embedded Systems

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ENEE769X: Population Games and Evolutionary Dynamics

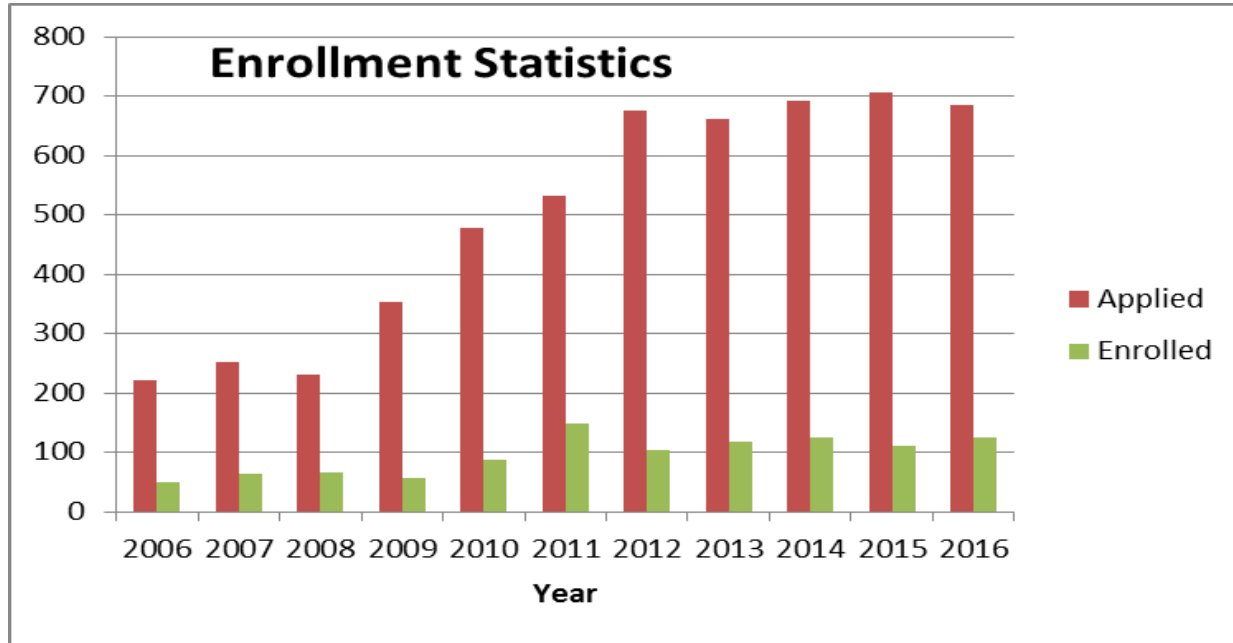
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ENEE729X: Concentration of Measure for Functions of Random Variables

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# MS in Telecommunications



## Recent enrollment:

### Spring 2016:

- **12** new students

### Fall 2016:

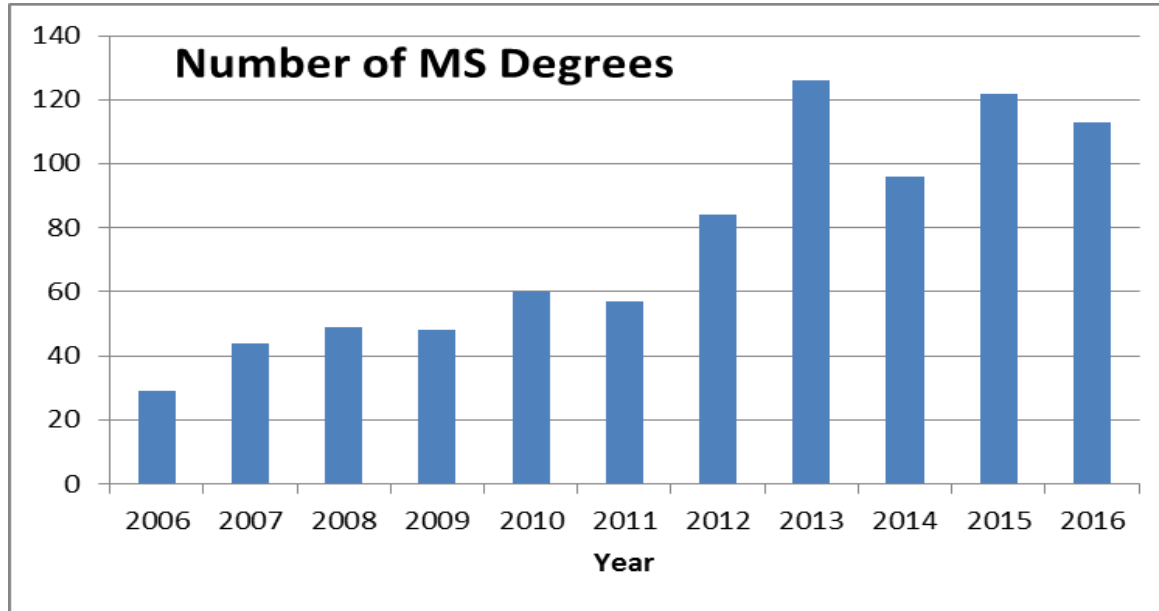
- **113** new students

### Total for 2016:

- **125** new students



# Degrees Awarded



## Recent graduation stats:

### Spring 2016:

- **98** MS degrees awarded

### Summer 2016:

- **4** MS degrees awarded

### Fall 2016 (expected):

- **11** MS degrees awarded  
(Expected)

### Total for 2016 (expected):

- **113** MS degrees



# New Initiatives

## **Elective/special topics courses**

Embedded Systems

Internet of Things

Linux system administration  
and server virtualization

Information systems security

## **Certificate Programs**

- Topics:
  - Computing Systems
  - Computer Networking
  - Networking Software Development
  - Wireless Communications
- Certificate program in Computer Networking has already been approved
- Other programs are being prepared