ECE MEng Students-

As a **required part** of your MEng Design Project, you are expected to present a Poster during the ECE MEng Poster Session. This year's event will be held on **Tuesday May 8, 2018** in the Duffield Hall Atrium. You will also be required submit a PDF of the poster along with your MEng Design Project Report, which will be due on Tuesday May 22, 2018 by 12:00pm).

Participation in the Poster Competition is a requirement for **ALL ECE MEng Students**, *even if you will be earning an August 2018 or January 2018 degree*. This is still required even if you won't be submitting your finalized Design Project until the end of the fall.

JUDGES, AWARDS and EXPECTATIONS of WINNERS

- There will be awards in each of the seven different categories, as well as a Best Overall Poster.
- All Posters will be reviewed and evaluated by a group of qualified judges, consisting of both ECE PhD Students and ECE Faculty Members.
- Winners in each category will be required to present their Poster in the Duffield Atrium during ECE Day on Wednesday May 9, 2018, from 10:00am – 12:00pm.

ONLINE REGISTRATION FOR POSTER SESSION

- Go online here in order to Register your Poster
- You must be signed into your **Cornell Cmail Account in order to Register**.
- You may only Register **ONCE**

Registration Details You Should Know

- Posters may be either from a **TEAM** or an **INDIVIDUAL**
- Teams should only register *once* and *all* Team Member info is required for registration
- There will be Two Sessions to present your poster; you will be asked to submit your preference
  - **Session One – 11:00am – 1:00pm**
  - **Session Two – 2:00pm – 4:00pm**
- Registration of Posters will be divided into Categories
  1. AI / Pattern Recognition (Computer Vision, Machine Learning, Robotics)
  2. Bio-Signals (Neural, controls, Imaging, Bioinformatics)
  3. Communications (Information Theory, Network Coding, Digital Communications)
  4. Computer Systems (OS, Embedded, Networks, Architecture, Database)
  5. Electronic Devices + Materials (Analog, Digital, Optics, MEMS, Circuits)
  6. Large Scale Systems (Power Systems, Energy)
  7. Signal and Information Processing

- Instead of a demo that requires a power source, we could encourage showing a demo video with the use of a personal laptop computer

- **Deadline for Poster Session Registration is no later than Friday April 27, 2018, at 12:00pm**

- **Deadline for Submission of PDF Version of your Poster with Abstract/Description will be <mark>Friday May 4, 2018, at 12:00pm</mark>**
    - Submit your **PDF** of your Poster and Abstract/Description via email to Scott Coldren at sec36@cornell.edu
    - Failure to submit your Poster and Abstract/Description by the deadline will result in ***NOT*** being considered eligible for any awards

Questions Regarding Registering Your Poster

For questions regarding Registration of your Poster, please contact:
- Scott Coldren – sec36@cornell.edu

INFO SESSION – HOW TO CREATE YOUR POSTER, HOW TO PRESENT IT TO THE JUDGES

There will be an Info Session for all ECE MEng Students held on <mark>Tuesday April 10, 2018, at 4:30pm in 219 Phillips Hall</mark>. You will hear from Bruce Land and Joseph Skovira on how to best prepare your poster and present it the Judges.

WHAT YOUR POSTER SHOULD BE

- Your Poster should summarize your work with as *few words* and *as many pictures as possible*
- Your Poster is a visual representation of your work and a Guide to Enhance Your Discussion of it

EXPECTATIONS OF YOUR PARTICIPATION IN THE POSTER SESSION

- You will be expected to be able to give a 2-minute "Elevator Speech" to describe your Poster to Judges
    - *This will be **critical,** as you more than likely will be presenting and explaining your poster to someone who is not familiar with you, your project, or your area of interest.*
- You will be expected to be present at your Poster for the entire two hour timeslot that you registered for, during the time the posters are being judged
- You will be required to **DRESS PROFESSIONALLY**

POSTER CREATION and DESIGN

POWERPOINT

- You should use Microsoft PowerPoint to create your Poster
- Save it to PDF Format for electronic submission by the Friday May 4, 2018, 12:00pm Deadline.

FONT

- Suggested Font Choices for your Poster are: Helvetica, Calibri or Arial
- Font Sizes
  - Title: 100 – 144 Points
  - Section Headings: 72 – 84 Points
  - Main Content: 18 – 24 Points, Double Spaced
  - Acknowledgements and References: 10 – 16 Points, Single Spaced

POSTER SIZE

- Poster Dimensions should be: 42 inches Wide by 36 inches High
- Posters should **NOT** exceed these Dimensions

PRINTING YOUR POSTER – MANN LIBRARY

- You can print your Poster in Mann Library. Go online here to learn more.
- Poster Printing Pricing - $8.00 per Linear Foot (Canon IPF 8300s Plotter with Matte Paper; Maximum Width is 42 inches)
- Poster Printing Hours for Spring 2018; Poster Printing is available until One (1) Hour before Mann Library Closes
- Poster Printing Policies
- Accepted Forms of Payment for Poster Printing – Cash, Credit Card, Check
- Students will be responsible for covering the cost of printing their own posters

USEFUL LINKS FOR CREATING and DESIGNING POSTERS

- [Creating Effective Poster Presentations](#)
- [Poster Design Guide](#)
- [Designing Conference Posters](#)
- [Designing Scientific Posters](#)

EXAMPLES of PAST ECE MEng POSTERS can be FOUND HERE; ALL POSTERS CREATED by FORMER ECE MEng STUDENTS of BRUCE LAND

1. [FPGA of Acceleration of Stochastic Simulation](#)
2. [Data Acquisition Unit for a CVT Dynamometer](#)
3. [Autonomous Quadcopter Docking System](#)
4. [Instrumentation Using MATLAB for Calibration & Diagnostics](#)
5. [Compact Firmware Upgrader for Robot System Based on IAP Methodology](#)
6. [I'm Feeling Odd! – Cardio-Pulmonary Monitor](#)
7. [PIC32 Development for ECE 4760](#)
8. [Robotic Maze-Mapping as a Junior-Level Design Project](#)
9. [Juggling Balls with Pattern Recognition](#)
10. [PIC32 Development](#)
11. [Tissue Impedance and Biomechanical Measurement Device](#)

- Go to [Bruce Land's Project Web Site](#) for additional examples of Past ECE MEng Project Posters and Design Project Reports.
- Go to [Joe Skovira's Web Site](#) for many links listed above, along with other useful info