

# 2015 EECS Student Poster Fair Results

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MAR 9, 2015



The 2015 EECS Student Poster Fair was held on Friday, March 6 in the Technological Institute Main Lobby.

During the event, attendees were invited to listen to student poster/project presentations on a variety of EECS related topics, ask questions, as well as receiving information about EECS Department and also, see what EECS as a department has to offer, while talking to faculty, staff, Deans, EECS graduate/undergraduate students and other distinguished guests.

Undergraduate and Graduate students presented research and made their best scientific pitch to win \$3,400 in total prizes (gift cards for top 3 Graduate entries in each EE, CE,CS Academic Division and top 3 Undergraduate entries). [View more event photos on our Facebook album](#)

Spectators were also allotted the opportunity to view exciting, engaging, and futuristic demos created , as well as presented by EECS student groups.

[Prof. Yan Chen](#) and students demonstrated a man-in-the-middle attack on an email application resulting in leak of users' emails to attackers. They will present their framework for detecting such vulnerabilities in IEEE symposium of Security and Privacy at San Jose in May.

Students Bryanna Yeh, Katherine Lin and Collin Barnwell from [Prof. Brenna D. Argall's](#) class, [EECS 301: Introductory Robotics Laboratory](#), ran a demo featuring the robot hardware. [The Northwestern Robotics Club](#) (a club where students who are interested in robotics can come together and work on exciting projects in the field), presented, as well.

A superconductivity levitation experiment was presented by members of [Prof. Matthew Grayson's](#) Electron Transport Lab (Joe Young, Jiajun Luo, and Lintao Peng). The demo showed how the electronic and magnetic properties of materials can change dramatically at low temperatures.

[Women In Computing](#) (WIC) Co-presidents Samantha Trippy and Sydney Zink along with PR Chair Brittany Lee presented a poster of club photos and a table of Grace Hopper 2014 materials while speaking with prospective members and allies. Many other EECS student organizations were present, including [Graduate Students of EECS](#) (GEECS).

## Winners

### Undergrads

1. Marc Gyongyosi
  - CS Dept
  - "THE IFO PROJECT - Intelligent Flying Machines for BMW's Industrial Manufacturing Processes"
2. David Heydari
  - EE Dept
  - "Quantum Cascade Lasers with Angled Cavities"
3. Jon Ford
  - CS Dept
  - "MixViz: A Tool to Visualize Masking in Audio Mixes"

### Graduate - Computer Engineering

1. Ali Murat Gok & Georgios Tziantzioulis (Group Presentation)
  - "b-HiVE: A Bit-Level History-Based Error Model with Value Correlation for Voltage-Scaled Integer and Floating Point Units"
2. Yigit Demir
  - "Towards energy-efficient photonic interconnects" (TIE FOR SECOND)
2. Majed Valed Beigi
  - "MIN: a Power Efficient Mechanism to Mitigate the Impact of Process Variations on Nanophotonic Networks" (TIE FOR SECOND)
3. Begum Egilmez
  - "User-Specific Skin Temperature-Aware DVFS for Smartphones"

### Graduate - Electrical Engineering

1. Binnan Zhuang
  - "Global Radio Resource Allocation for Future Wireless Heterogeneous Networks"
2. Francois Callewaert
  - "A Barrier to Suppress the Noise" (TIE FOR SECOND)
2. Qiqin Dai
  - "Dictionary-based Multiple Frame Video Super-resolution" (TIE FOR SECOND)
3. Leonidas Spinoulas
  - "Video Compressive Sensing with On-Chip Programmable Subsampling"

*Second Place Award*

in the  
2015 Student Poster Fair  
Goes to

**You!**

**Northwestern University  
Department of Electrical Engineering &  
Computer Science**