

**McCormick****Northwestern Engineering****Electrical Engineering and Computer Science**

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## EECS Announcements

### Callewaert (PHD 17') and Cicek (PHD 14') Win Awards for "Breakthrough in Human-Oriented Applications" at SPIE WEST 2014 Conference (/announcement/654-razeghi)

[Razeghi \(/component/tags/tag/49-razeghi\)](#)[Center for Quantum Devices \(/component/tags/tag/349-center-for-quantum-devices\)](#)

EECS PHD Students Francois Callewaert (/people/userprofile/678) and Erdem Cicek (/people/userprofile/545) have won awards for "Breakthrough in Human-Oriented Applications," at the SPIE WEST 2014 Conference (<http://spie.org/x2584.xml>), which was held February 4-6, 2014 at the Moscone Center in San Francisco, California.

Both students are advised by Prof. Manijeh Razeghi (/people/userprofile/mrazeghi2010)

(who presented a keynote talk (</announcement/640-razeghi-to-deliver-keynote-talk-at-spie-west-2014-conference-wednesday-2-5>) at SPIE WEST 2014 Conference on Wednesday February 5, 2014) and are part of the Center for Quantum Devices. (<http://cqcd.eecs.northwestern.edu/>)

The third recipient of the awards was Arash Tajik (<https://sites.google.com/site/atajik/>), PHD Student (UIUC).

Erdem received the honor for his paper, titled, "Seeing the Invisible in Ultraviolet Spectrum: Early Diagnosis of Melanoma," and Callewaert for his paper, titled, "A High Performance Long Wavelength Infrared Minority Electron Unipolar Photodetector Based on InAs/GaSb Superlattice for Early Breast Cancer Detection."

SPIE Photonics West 2014 is the largest and most influential event for the laser and photonics community in North America: 20,000 attendees, two exhibitions, 1,250 exhibiting companies, a wide range of papers on biomedical optics, biophotonics, translational research, industrial lasers, optoelectronics, microfabrication, optical MEMS, and more.



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