

CIS IMAGING CONNECTION

YOUR SOURCE FOR CURRENT EVENTS FROM
THE CHESTER F. CARLSON CENTER FOR IMAGING SCIENCE AT RIT

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Commencement 2012

RIT celebrated its 2012 graduates with Academic Convocation on Friday, May 25th. An archived video stream of the event can be [viewed online](#) (please note, they Keynote Address is not included in the video per Mr. Bill Nye's request). Some CIS-related highlights in the video include: Hooding of Ph.D. candidates (begins at 1h48m; Imaging Science and Astrophysical Sciences and Technology are at 1:53 and 1:55, respectively), and introduction of the student delegates (begins at 2:06; College of Science delegate Phil Salvaggio from Imaging Science accepts his symbolic diploma at 2:11).

The College of Science commencement took place the following day, Saturday, May 26th, followed by a celebration brunch hosted by CIS in honor of our graduating students. CIS's class of 2012 included 11 Imaging Science B.S. graduates, 9 Imaging Science M.S. graduates, 3 Color Science MS graduates, 6 Imaging Science Ph.D. graduates, and 2 Astrophysical Science and Technology Ph.D. graduates (in conjunction with the Department of Physics and School of Mathematical Sciences). A full list of this year's CIS graduates can be viewed [here](#).

Congratulations, Class of 2012!!!

CIS Awards and Recognitions

Dr. Joel Kastner (CIS Faculty) and Dr. Eli Saber (Extended Faculty) were named recipients of 2011-12 Trustees Scholarship Award. The Trustees Scholarship Awards were established to recognize RIT faculty who have demonstrated outstanding track records of academic scholarship that "is integral to, and not separated from, all aspects of a student's educational experience at RIT". For more information on this award and past CIS recipients, [click here](#).

A team including Imaging Science Ph.D. student Siddharth Khullar won a "Judges' Choice" award and \$7,500 in the Massachusetts Institute of Technology IDEAS Global Challenge for their portable device designed to image the human retina and screen for diabetic retinopathy, HIV/AIDS-related retinitis and age-related macular degeneration. [Read more](#)

Imaging Science BS student Colin Axel has been named a 2012 Goldwater Scholar. Axel is one of 282 sophomores and juniors selected from 1,123 nominees to receive this prestigious merit-based award. Read more about the award and Colin's research and accomplishments [here](#).

ImagineRIT 2012

RIT's fifth annual ImagineRIT Innovation and Creativity Festival on May 5th drew a record crowd at over 30,000 visitors! This year there were [10 exhibits with ties to CIS](#), and highlights and pictures from our booths were tweeted throughout the day on [CIS's twitter page](#). Of additional note,

- The Freshman Imaging Project class successfully demonstrated a craniofacial phenotyper system of their own design and fabrication at the exhibit "3D Imaging for Medical Applications." Over 400 visitors got their faces digitally scanned and emailed to them. [Pictures](#)
- The exhibit "Tangible Display Systems," created in part by CIS Assoc. Professor James Ferwerda, was [recognized with an award](#) from TATA Consultancy Services.

Join us on May 4, 2013 to see what we'll think of next!

Freshmen Imaging Project 2012

Each year the incoming Imaging Science freshmen are tasked to work together as a team to design and build a fully functional imaging system from scratch. This past year they built a [3-D head scanner for medical applications](#). The previous year they made a [device to capture interactive digital images called Polynomial Texture Maps](#). Now is the time to start thinking about next year's project. **That's where you come in!** We'd like to hear as many suggestions as possible for the kind of system we should challenge this fall's incoming freshmen to build. [Click here for more information and to submit an idea!](#)

Past & Future Receptions

PREVIOUSLY ENJOYED

Washington, DC, Maryland, and Virginia Alumni, AND SPIE Defense, Security, and Sensing conference goes - This year's 6th annual DC-area Alumni Reception took place in Baltimore, MD to coincide with the SPIE DSS conference on Sunday, April 22. A small group enjoyed an endless variety of delicious hors d'oeuvres, an open bar, and an impromptu darts tournament at Tir Na Nog, right along the banks of the Inner Harbor with the USS Constellation outside. Next year we will return to DC to continue the tradition in its original fashion!

STILL TO COME

Rochester, NY—**Save the Date: August 1!** CIS is planning an informal happy hour/heavy hors d'oeuvres event for the evening of Wednesday, August 1 in Downtown Rochester. Keep an eye out for a formal invitation soon to come!

Boston, MA— We are in the early stages of planning an alumni event in your area in late summer/early fall. If you live in or around Boston, please [get in contact with us](#) to help us determine a time and place that would best serve and entertain you and your fellow alumni!

Philadelphia/King of Prussia and LA: **You're next!** If you are from these areas and would like to provide input on the timing and location of your event, please contact choate@cis.rit.edu.

Did you know? - RIT Observatory



CIS Prof. Roger Easton Jr. helped people view the Venus Transit through a telescope equipped with a solar filter at the RIT Observatory June 5.

Did you know that RIT has its own observatory? The RIT Observatory was established in 1992 to promote the undergraduate teaching and research programs in astronomy, and currently resides adjacent to the RIT campus on John Street. A number of public events are hosted at the observatory throughout the year, including a recent viewing of the Transit of Venus.

For more information, visit the [RIT Observatory webpage](#).



Imaging Science BS graduate Phil Salvaggio accepts a symbolic diploma on behalf of all graduating COS BS students from Dean Sophia Maggelakis during RIT's Academic Convocation on May 25.

SPRING CIS NEWS HIGHLIGHTS

[Archive Watch: The Words of David Livingstone in Living Color](#)
CIS Prof. Dr. Roger Easton Jr. featured

[RIT Hosts Workshop on Disaster Response May 30-June 1](#)
Digital Imaging and Remote Sensing Laboratory & Information Products Laboratory for Emergency Response featured

[Growing a Culture of Innovation](#)
CIS Interim Director Dr. John Schott featured in the *Spring/Summer 2012 Research at RIT* publication

[The Science of Color](#)
Munsell Color Science Laboratory featured in the *Spring/Summer 2012 Research at RIT* report "Spotlight on Color"

[When Stars Erupt: Predicting Space Weather](#)
CIS Prof. Dr. Roger Dube featured

[Teens explore career fields at annual Workforce Innovations Conference](#)
CIS Outreach featured

[On the Ladder: Pano Spiliotis](#)
Pano Spiliotis (BS, Imaging Science '99; MBA '01) featured

[Spectral Imaging of Shakespeare's "Seventh Signature": A Guest Post by Dr. Roger Easton, Jr. on "The Collation" from the Folger Shakespeare Library](#)

[RIT Video - Campus Connection: Service Above Self](#)
Imaging Science Ph.D. student David Kelbe featured

[Associate Research Professor Bob Kremens quoted in National Geographic](#)

[Optical Society of America recognizes RIT professor Mark Fairchild](#)

These are only a sampling of our 32 news headlines since the last newsletter! So make sure you also check out [ALL CIS NEWS HEADLINES](#)



A visitor gets her face scanned by a structured light system while a friend video records the process, as part of the ImagineRIT exhibit "3D Imaging for Medical Applications".

[FUTURE] ALUMNI SPOTLIGHT



Color Science PhD student Jennifer Kruschwitz has been awarded Digital Rochester's 2012 Technology Woman of the Year! This prestigious award recognizes and celebrates the achievements of women in high-technology fields dealing with data, processes, and implementations of information systems in the Greater Rochester area.

Read more about Jennifer and her award [here](#) and [here](#).

Congratulations, Jennifer!



FROM THE ARCHIVES: (Click the thumbnail above to enlarge and view additional photos) Catherine Carlson, along with friends and legendary Xerox engineers, Horace Becker, Bob Gundlach, and Hal Bogdonoff, and CIS Director Rodney Shaw inspect the newly-installed plaque of Chester Carlson in the CIS building—Circa 1991

Additional images from the archives will be debuted each newsletter. We need your old photos—Please email choate@cis.rit.edu to add to our archive!