
Reaching Out Locally: CTC	
CAREER & TECHNOLOGY CENTER (CTC) This specialized school, located in Frederick, offers a solid education to high school students who want to enhance their academic studies with specialized, hands-on training in competitive fields. Most programs require two years of study, and many prepare students for national and state certification and offer college credits. Visit the Caret & Technology Center Web site for details. The school expects students in 10th-12th grades, who have demonstrated good attendance and met program-specific criteria, with the skills and knowledge to compete in today's job market through 25 programs: - Academy of Health Professions/Medical Assisting - Academy of Health Professions/Nurse Assisting - Advanced Floral Design - Advanced Web Design and Animation - Architectural Computer-Aided Design (CAD) - Automotive Technology - Baking and Pastry - Biomedical Science - Ceramics - CISCO Networking Academy - Collision Repair - Computer Technician/Analyst - Construction Electricity - Cosmetology - Criminal Justice - Culinary Arts - Digital Design and Printing Methods - Engineering Computer-Aided Design (CAD) - Environmental Landscape Design and Management - Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) and Plumbing - Masonry - Security - Teacher Academy of Maryland - TV/Multimedia Production - Welding: Agricultural and Commercial Metals Technology	QUICK LINKS Admissions Bus Delay Information » Bus Stop Information » Calendar » Career Opportunities » Data Search Resources » FindOutMy Email & Test » Forms » Grades Online » Locate Your School » Meals at School » PAROC Testing Information » Public Information Requests » School Cash Online » Strategic Plan » Welcome to Frederick Co., MD

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WELCOMING W/ RESEARCH GO.

Reaching Out Locally

Baltimore City HS Pilot

Students take the CST paper	August
Post program wrap-up/exit group	September
Employee interviews and debriefing	October
Annual conference – Conference organizers will design a track specifically for the pilot program students and other staff/teacher leaders; the program's publications will also take place during the conference	October

Pilot-Pilot Activities and Measures of Success

At the end of the pilot, students will be expected to give a presentation focused on their experience on the program, what they learned and how it impacted their level of interest in the field, especially in regards to: Shadowing, internships, and OTC opportunities. They will also be asked to participate in focus groups that will help us identify areas for improvement and ways to make the program more effective. We will also be conducting a survey that will be sent via e-mail. Ultimately, success of the pilot will be determined based on the following measures (please note that not all OTC can exist/possibly be achieved due to the resources being, targets in 2014 and other will be determined from that baseline)

- The number and percent of students that:
 - Complete the program
 - Take the CST exam and pass
 - Enrolling and are offered an entry-level position with a sponsoring (or invited) firm
 - Enter into a paid secondary education program based on sponsoring (or a related field)

2. The total number of students reported to the sponsoring company/field

Business Engagement

In addition to MD's involvement in designing the pilot and ensuring the participation of their employees, some businesses have expressed interest in participating in the pilot. MD's goal is to make a presentation to the Baltimore chapter of MD's Business December 2nd to invite the program and recruit additional participants by identifying individuals and organizations willing to take on the following items:

Hotel Sponsorship to Students: Discounted rates of the trade and discuss your company as a sponsor to graduate student intern

Selection Sponsor: Review student presentations and conduct interviews to discuss your company to participate in the pilot

Monthly Meeting: Meet with student one hour per month for five months (April-August)

Job Shadowing: Have a day-long job shadowing field trip during the summer

Summer Internship: Host 1-2 youth for a 7-week internship; 6/28-7/28

Career Fair/Event: Conduct mock interviews, provide resume guidance, and advise students on their job search

MBS/MSB Surveyor Pilot Overview

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HULL/ISS SURVEY OF PARLNTVIEW Page 2

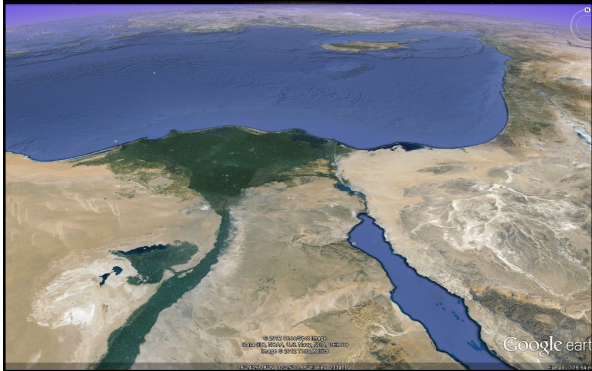




What do surveyors do? How do they do it?
Topographic survey/mapping & CAD

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In the Beginning...

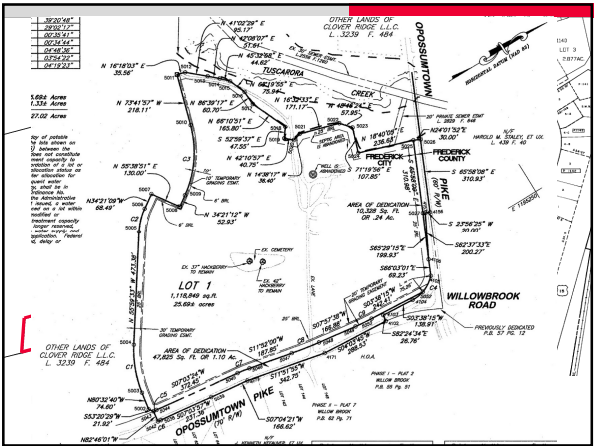


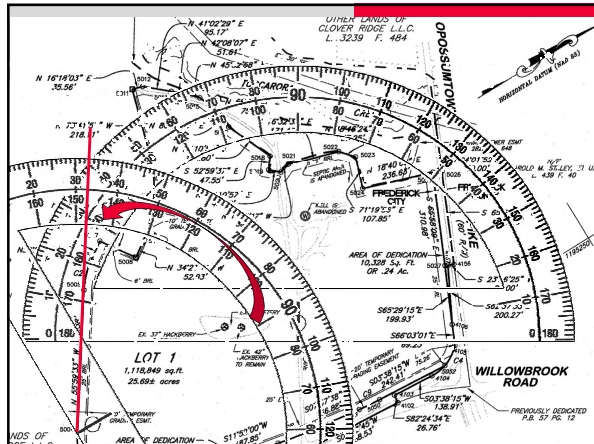
Traditional Role

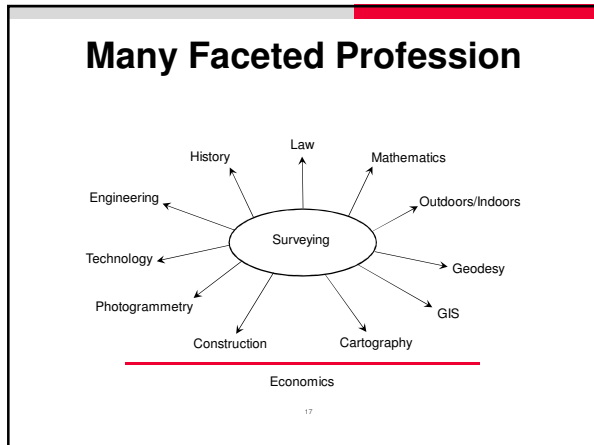




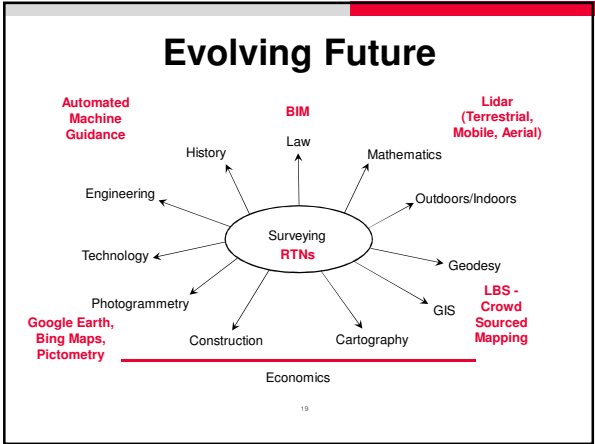


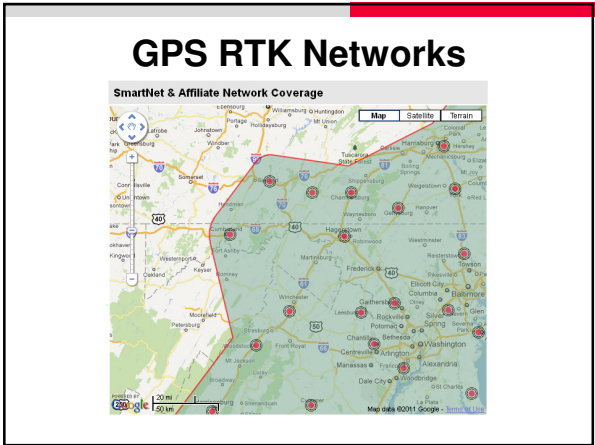






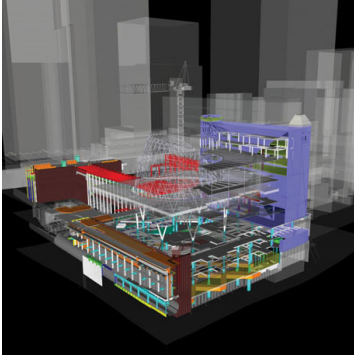








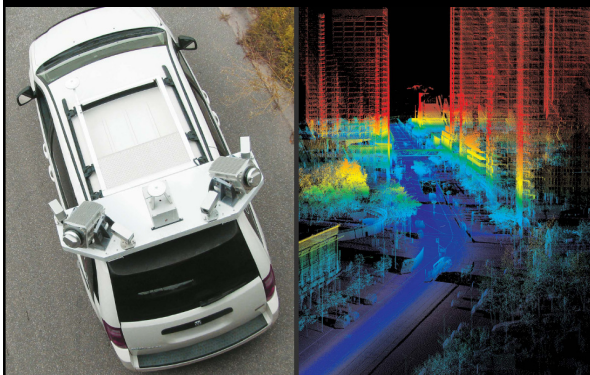
BIM: Building Information Mgmt.



Lidar - Terrestrial



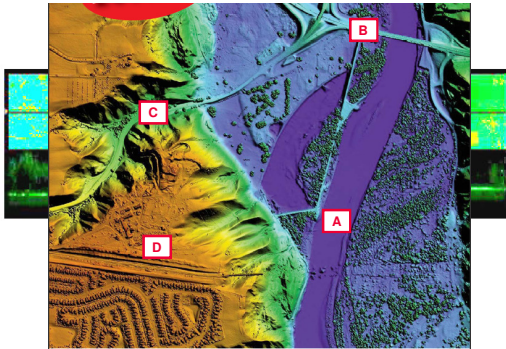
Lidar - Mobile



Unmanned Aerial Vehicles



Lidar - Aerial



In The News



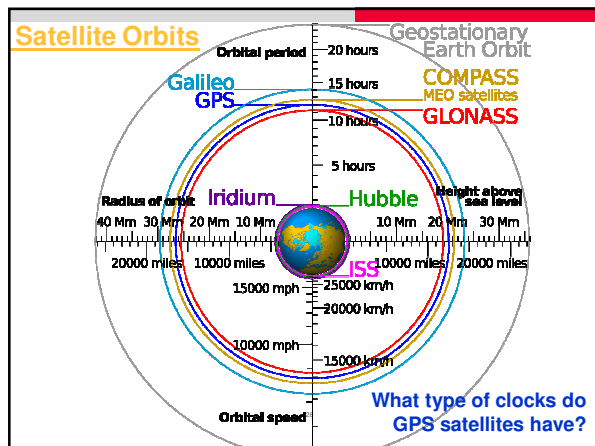
https://www.fox.com/story/autodesk-reality-capture-360/

Phil Bernstein, FAIA

Lecturer, Yale University School of Architecture; consultant, Autodesk

Recommendation If I were running a firm, I would build capabilities in two areas: reality capture—using scanning, digital photography, and drones to create models of existing conditions, including construction underway; and analysis and simulation—using tools to reason about design as it is unfolding. Lots of possibilities here, but in the Autodesk portfolio, [ReCap 360](#) for reality capture and [Insight 360](#) for energy evaluation analysis are both available, easy to use, and BIM compatible.

Resolution I have become very interested in the relationship of systems to architecture so I want to get proficient in three related areas. First is Systems Dynamics Modeling, which is a discipline used by industrial engineers to construct simulations of complex environments. The business process capability of architectural



**The Future:
A Broader Geospatial Profession:**

**Integrated Fields
Integrated Technologies**

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 TJ Frazier, LS/M D Society of Surveyors

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Questions?
Thank You

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