

FIG

# FIG WORKING WEEK 2017

Helsinki Finland

29 May - 2 June 2017

*Presented at the FIG Working Week 2017,  
May 29 - June 2, 2017 in Helsinki, Finland*



Surveying the world of tomorrow -  
From digitalisation to augmented reality

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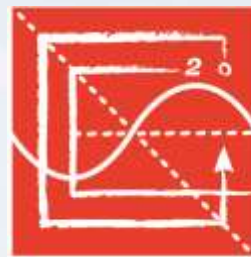


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## NCEES

*advancing licensure for  
engineers and surveyors*

Patrick Tami, PLS, President-Elect

Jerry Carter, CEO



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## Who is NCEES?

- The National Council of Examiners for Engineering and Surveying (NCEES) is a national nonprofit organization dedicated to advancing professional licensure for engineers and surveyors.
- Made up of the engineering and surveying licensure boards from all U.S., D.C., Guam, Puerto Rico, Northern Mariana Islands and the U.S. Virgin Islands



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## What Does NCEES Do?

- Develops, administers, and scores the exams used for U.S. engineering and surveying licensure
- Encourages professional mobility and uniformity of U.S. licensure through services for its member licensing boards and licensees.



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## NCEES Services

- Surveying Exams
- Engineering Exams
- Exam prep and study guides
- Records program
- Credentials evaluations
- CPC tracking



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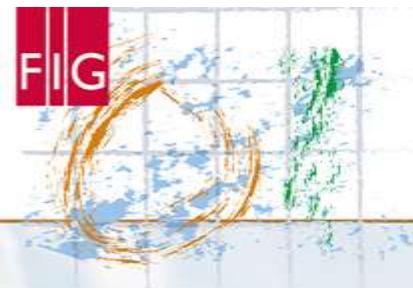
## The Decline of Professional Surveyors

- Average age of U.S. Professional Surveyor is 58-60
- Boards are requiring more formal education as condition of licensure
- Limited number of programs offering degrees in surveying
- Limited number of students entering surveying programs
- Public perception of surveying is a trade rather than a profession



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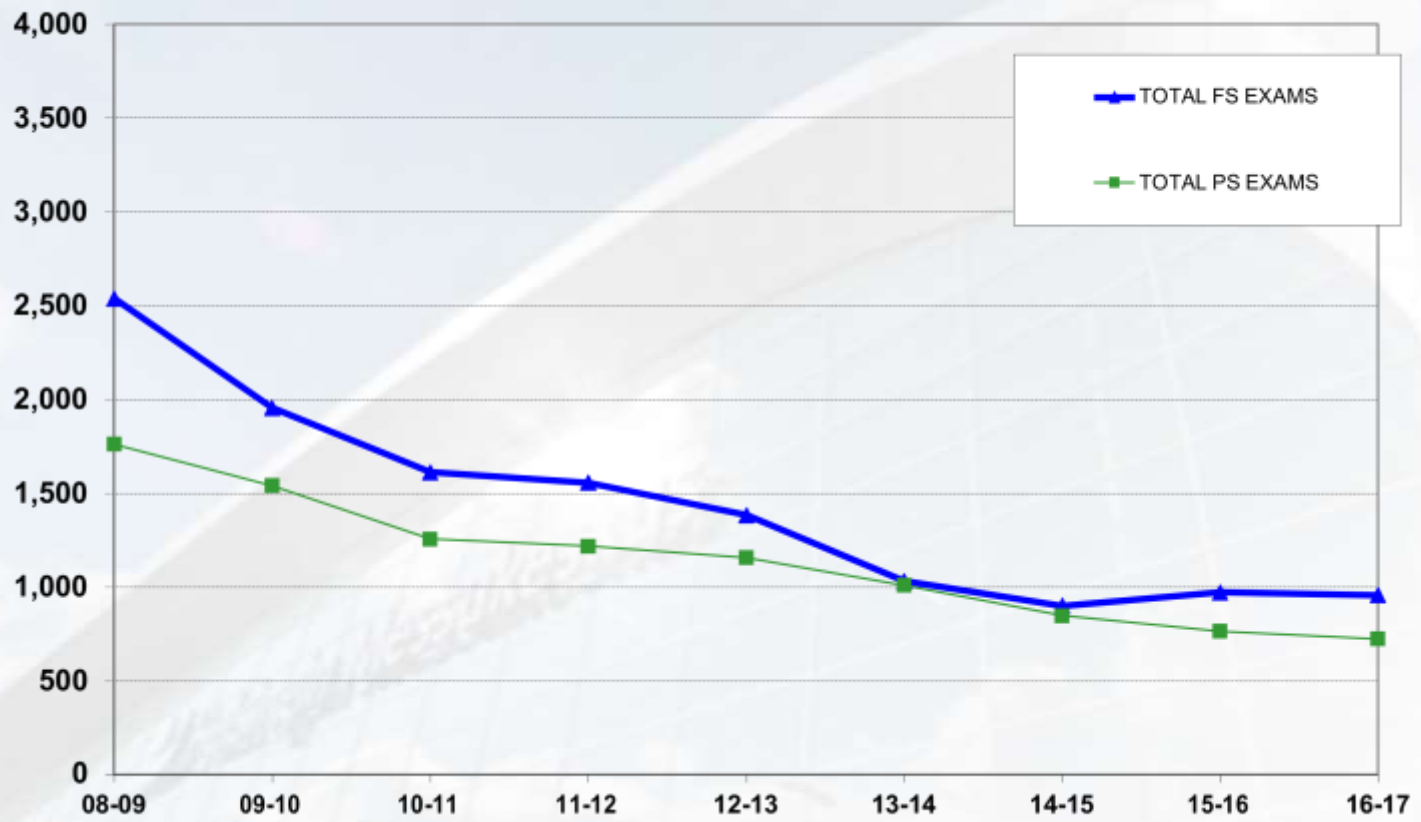
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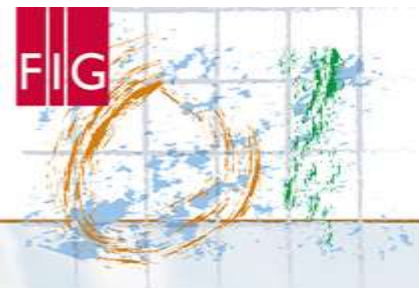
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## FS and PS Exam Usage



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## Identified Problem Areas

- Public's image of the surveying profession
- Reluctance to transition to new technology
- Lack of mentors
- Market Changes
- Fewer students pursuing surveying degrees



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## Potential Solutions

- Brand and promote nationally the surveying profession and value of licensure
- Tap into our technologically savvy youth to recruit
- Educate the profession by creating a new image/definition statement of surveying
- Teach the public and expand knowledge to bridge the gap between their general lack of understanding of legal principles related to surveying and the profession



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## NCEES Actions

- Increased outreach activities to professional societies, universities, public schools and industries
- Provided funding for teachers that participate in workshops to enhance knowledge of teaching of spatial technology
- Created Future of Surveying Task Force that includes representatives from related surveying professional and technical organizations
- Developed Surveying Education Award



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## NCEES Surveying Education Award

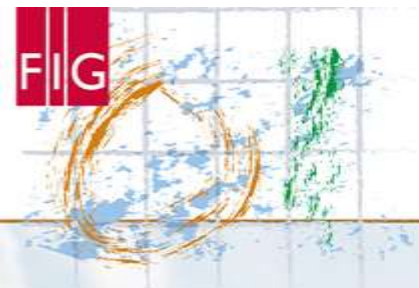
Recognizes surveying/geomatics programs that have a broad and robust curriculum. The award is intended to encourage programs to engage their students with other professionals, introduce them to both historical and new technology, and promote licensure.

- Grand prize: \$25,000
- Up to three prizes: \$15,000
- Up to three prizes: \$10,000



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# Questions



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