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## Educating and Developing Construction Professionals: Integrating the Co-op Program with Construction Engineering Education

Yong Bai

Marquette University, [yong.bai@marquette.edu](mailto:yong.bai@marquette.edu)

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# CI SUMMIT 2018

Forth Worth, Texas | March 1-3

*A Conference of the Construction Institute of ASCE*

THE FUTURE IS NOW – IMPLEMENTING INNOVATION IN THE CHANGING WORLD

## Welcome to CI Summit 2018

**Educating and Developing Construction Professionals**  
**Integrating the Co-op Program with Construction Engineering Education**

**Yong Bai, Ph.D., P.E., F.ASCE**

**Department of Civil, Construction and Environmental Engineering**

**Marquette University**

**PDHs available: One**



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## Introduction

- BS in Construction Engineering program was started in Fall 2008
- ABET accredited on Oct. 1, 2010
- 25 students and 3 faculty members
- 7 students graduated in 2016-2017
- 134 credit hours with the requirement of completing the co-op program



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## Co-Op Program

- Marquette's co-op program started in 1919
- The program partners with more than 100 leading engineering and technology firms
- Full-time, paid employment alternating with academic semesters begins the summer, fall or spring term following sophomore-year



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## Co-Op Program

- Employers recruit co-ops from September of the sophomore-year through December the junior-year
- Students work with the same employer for a minimum of 3 work terms
- Student may earn 1 credit for each completed co-op work term; 3 co-op credits will fulfill a technical elective



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## Evaluation

- Work Exit Report by students
  - <http://www.marquette.edu/engineering/student-exit-term1.php>
- Performance Evaluation Report by employers
  - <http://www.marquette.edu/engineering/employer-evaluation-new-2017.php>
  - ABET A-K student outcomes assessment



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## Benefits

- Apply engineering knowledge and skills
- Clarify career goals
- Refine career path
- Increase performance and engagement in the classroom





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## Benefits

- Gain working experience
- Form professional network
- Open doors to full time employment
- Gain high starting salary



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**THANK YOU FOR ATTENDING  
CI SUMMIT 2018!**

**Reminder:**

**WE LOOK FORWARD TO SEEING YOU NEXT  
YEAR, March 7-9, 2019 IN  
ATLANTA, GEORGIA!**