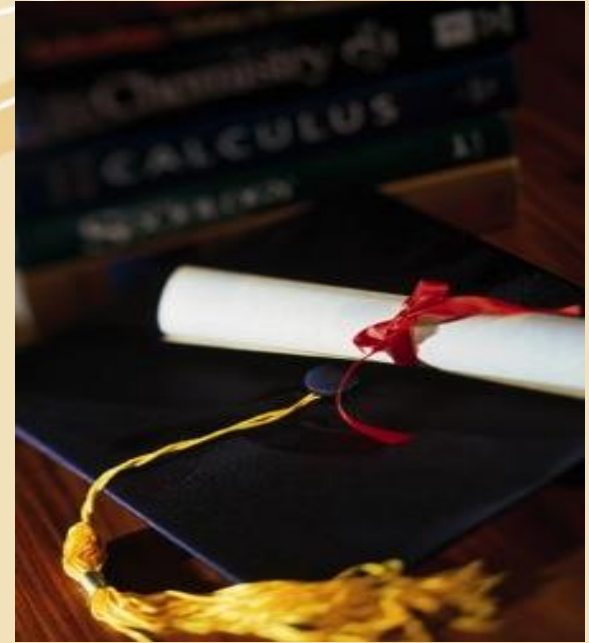


# Opportunities at Purdue University Northwest

*Dr. Chenn Q. Zhou*

- Director of ETIE Program
- Professor of Mechanical Engineering  
Director of CIVS (Center for Innovation through  
Visualization and Simulation)
- Director of Steel Manufacturing Simulation and  
Visualization Consortium

[czhou@pnw.edu](mailto:czhou@pnw.edu)  
[www.pnw.edu](http://www.pnw.edu)



# Purdue University Northwest

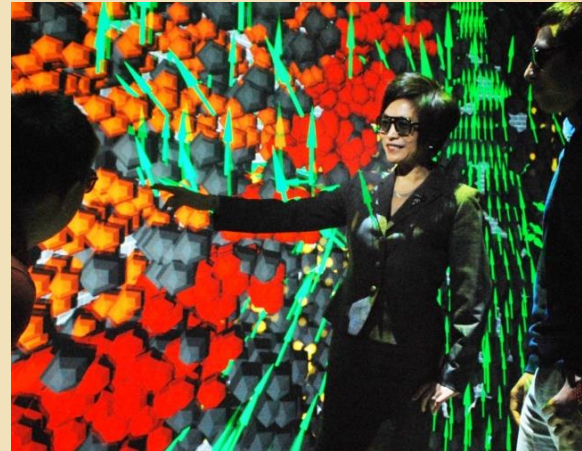
## Students Value

- Purdue degree
- Ranked top 35 among the Best Engineering Programs
- Close personal attention
- Industrial and corporate relationship
- Experiential Learning
- Distinguished faculty
- Excellent laboratory facilities
- Great Location & Inexpensive



# Excellent Research Centers

- Center for Innovation through Visualization and Simulations (CIVS)
- Center for Energy Efficiency and Reliability
- Water Institute



# English Training in Engineering (ETIE)

## Undergraduate Program:

- “3+1” Program
- Sophomore or Junior one or two semesters Program

(All undergraduate program students are encouraged to apply for our graduate programs to pursue their Masters degrees.)

## Graduate Program:

- “4+0.5 (or +1) +Master” Program
- “1+0.5 (or +1)+ Master” Program
- “0.5+0.5 (or+1) + Master” Program
- “1+1” Master Program
- One or two semesters Visiting Program



# 3+1 – Pathway to Master Program

- For undergraduate students who apply during their junior year
- Study one year at PNW begin at fall or spring semester during students' senior year
- Minimum course requirements per semester:
  - 1 English course
  - 1 Senior design
  - 2 Engineering courses
- Undergraduate degree from home universities
- Admission Criteria:
  - Minimum GPA of 2.5
  - CET-4 test higher than 500, or pass CET 6, or TOEFL PBT 500, iBT 70, or IELTS 6
- GRE is waived (TOEFL or IELTS is required) for admission to Master of Science Programs in the field of Engineering at PNW

# 4+0.5 (or +1) Pathway to Master Program

- For Students who just received their bachelor's degrees
- Study at PNW for one or two semesters
- Minimum course requirements per semester:
  - 1 English course
  - 3 Engineering courses
- Admission Criteria:
  - Minimum GPA of 2.5;
  - CET-4 test higher than 500, or pass CET 6, or TOEFL PBT 500, iBT 70, or IELTS 6
- ETIE certificate from PNW
- GRE is waived (TOEFL or IELTS is required) for admission to Master of Science Programs in the field of Engineering at PNW
- Up to 12 credit hours (with a minimum grade of B) that taken before admission to master's degree can be transferred to PNW

## “1+0.5 (or +1)+1” or “0.5+0.5 (or +1)+1” Graduate Program

- For graduated students who are in their first year and have no TOEFL score
- Study at PNW for one or two semesters
- Minimum course requirements per semester:
  - 1 English course
  - 3 Engineering courses
- Admission Criteria:
  - Minimum GPA of 2.5;
  - CET-4 test higher than 500, or pass CET 6, or TOEFL PBT 500, iBT 70 or IELTS 6
- ETIE certificate from PNW
- GRE is waived (TOEFL or IELTS is required) for admission to Master of Science Programs in the field of Engineering at PNW
- Up to 12 credit hours (with a minimum grade of B) can be transferred from PNW or home university to PNW

# “1+1” Graduate Program

- For students who have enrolled in a master degree program for one year
- Study at PNW for two semesters
- Admission Criteria:
  - GPA: 3.0/4.0 (B average)
  - TOEFL: 80 internet-based test score with writing 18, speaking 18, listening 14, and reading 19; or IELTS: 6.5
- Graduation requirements:
  - 30 Credits (10 courses) with GPA of 3.0/4.0 or better
  - Up to 12 credit hours (with a minimum grade of B) can be transferred from home university to PNW



# One or Two Semester Visiting Program

- For both undergraduate or graduate Students
- Study at PNW for one or two semesters
- Minimum course requirements per semester:
  - 1 English course
  - 3 Engineering courses
- Admission Criteria:
  - minimum GPA of 2.5
  - CET-4 test higher than 500, or pass CET 6, or TOEFL PBT 500, iBT 70 or IELTS 6
- GRE is waived (TOEFL or IELTS is required) for admission to Master of Science Programs in the field of Engineering at PNW

# Engineering Graduate Program

- MSE, MSECE, MSME
- Admission Criteria:
  - GPA: 3.0/4.0 (B average)
  - TOEFL: 80 internet-based test score with writing 18, speaking 18, listening 14, and reading 19; or IELTS: 6.5
- GRE can be waived
- Graduation requirements:
  - 30 Credits (10 courses) with GPA of 3.0/4.0 or better
  - Optional independent research studies or thesis research up to 9 credit hours

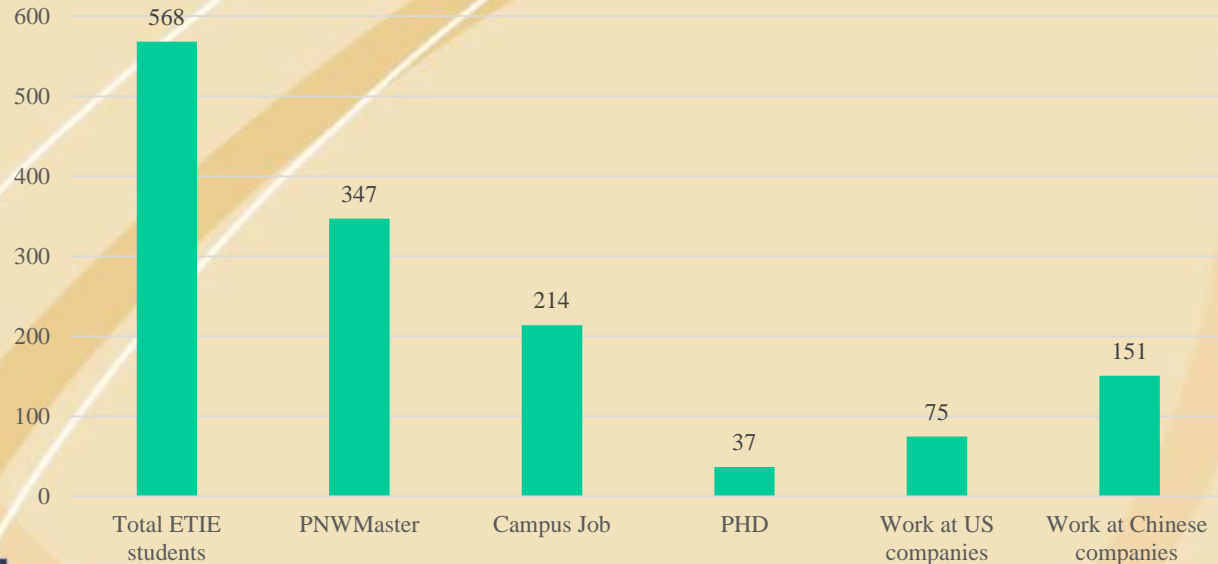
# ETIE Data

## ETIE Statistics:

568 students enrolled from 2006-2019

527 students completed the program by May 2019

ETIE students statistical



# ETIE Data

- 568 students enrolled
- 507 students received ETIE Certificates in academic year 2006-2019
- 70% students continued at PNW for Master's degrees
  - 75% of Master students worked as RA, TA, or student workers
- 40+ students are studying for PhD
- 110+ students are working in US companies
- 250+ students are working in China
- Many students received research grants and awards
- Many attended international conferences and have paper publications

# ETIE Outcomes

## Examples of other universities where ETIE students are studying for PhD or Master degrees:

- Arizona State University
- Columbia University
- Duke University
- Harvard University
- Illinois Institute of Technology
- Michigan University
- North Carolina State University
- Northeast University
- Purdue University West Lafayette
- Texas A&M University
- The State University of NY at Buffalo
- University of South California
- University of North Carolina
- University of California at Davis
- University of Iowa
- University of Utah
- University of Pennsylvania
- Waseda University
- The University of Tokyo
- Nanyang Technological University
- GISMA Business School, Germany
- RWTH Aachen, Germany
- University College London
- Carnegie Mellon University
- University of Florida
- Northwestern University

# ETIE Outcomes

## Examples of Outstanding Alumni at University:

- Ziang Zhang(2006):PHD at North Carolina State University (2009-2013)
- Zhengpeng Zhao(2006): PHD at Purdue University (2010-2014)
- Xiaoyan Xu(2007): PHD at Illinois Institute of Technology (2008-2012)
- Dong Fu(2007): PHD at Purdue University (2009-2013)
- Dezhi Zheng(2008): PHD at Texas A&M University (2011-Present)
- Chencheng Wu(2008): PHD at Purdue University (2009-2013)
- Boyang Li(2008): MS at University of South California (2009-2011)
- Jingjing Yang(2009): PHD at George Washington University(2012-Present)
- Xuesi Wang(2009): MS at Columbia University (2010-2012)
- Zhong Ren(2009): MS at Duke University (2010-2012)
- Yun Wang(2010): PHD at Carnegie Mellon University (2012-Present)
- Yiran Yang(2012): PHD at University of Illinois at Chicago (2014)
- Yuntian Ge(2012): PHD at University of Illinois at Chicago (2014)
- Tiantian Zeng(2013): PHD at Kentucky University (2013-Present)
- Xiaowen Zhan(2013):PHD at Kentucky University (2013-Present)
- Yuxuan Chen(2014) : PHD at University of Florida (2015-present)

# ETIE Outcomes

## Examples of companies where ETIE students are employed at the United States:

- Apple
- Microsoft, US
- Accenture, Minneapolis, Minnesota
- Bank of America, New York
- Cisco Systems, San Francisco
- Goldman Sachs
- Interative Network Technologies, Chicago
- Richton Pactera, Seattle
- Illinois Tool Works, Illinois
- Corning, NY
- Improvement Interactive, AZ
- Interactive Network Technology, Chicago
- Cisco Francisco, US
- LSI Corporation, San Francisco
- Livex Lighting, INC, NJ
- Let's Order Now, New York
- Niama Reisser, Ohio
- Nanaimo Studio. Chicago Park, Illinois
- Stemco LP, Longview, Texas
- Tesla
- Foxconn. IN
- 3M
- Lux Research, Boston
- Agiltron, Boston
- AirWatch by VMWare

# ETIE Outcomes

## Examples of Outstanding Alumni at US Company:

- Ziang Zhang(2006): Assistant Professor at Binhampton University
- Bin Wu (2006): Research Staff at Purdue University Calumet
- Hanzheng Wang(2006): Imaging Engineer at Corning, Inc., NY
- Dong Fu (2007): Protective Engineer at 3M
- Congrui Liu (2008): Assistant Engineer at Xi'an Thermal Power Research Institute
- Hao Shen (2008): Technology Associate at Bank of America
- Yi Ding (2008): Software Engineer at Perfecular Inc
- Man Qiu (2009): Software Development Engineer at Microsoft
- Zhengwei Pu (2010): Software Engineer at Drfirst, Inc
- Yifan Cai (2010): Load and Performance Software Engineer at Apple
- Tao Xu (2010): Electronics engineer at Cummins Inc.
- Shiye Hu (2011): Graduate Mechanical Engineer at Buro Happold
- Tian Li (2011): Firmware Engineer at Marvell Semiconductor
- Litao Shen(2015): Windows Phone Developer at AirWatch by VMWare



# ETIE Outcomes

## Examples of companies where ETIE students are employed in China:

- Agricultural Bank of China, Beijing
- China Academy of Transportation Sciences, Beijing
- Fosun Capital investment, Shanghai
- Hangzhou Danfoss
- Intel, China
- NUAA, Nanjing
- Original Force, Beijing
- Intertek, Shanghai
- Danfoss, Hangzhou
- Xi'an Thermal Power Research Institute
- State Grid Corporation of China
- P&G, Beijing
- Siemens, Beijing
- Shanghai Schneider Electric
- Shanghai Carrier
- Toshiba Research, China
- Ministry of Industry and Information Technology Computer and Microelectronics Research Center
- Infor, China
- Volkswagen, Shanghai
- China Mobile, Tianjin
- Tesla China, Shanghai

# ETIE Outcomes

## Examples of Outstanding Alumni at Chinese Company:

- Xiaofeng Miao(2006): Agricultural Bank of China, Beijing
- Nianwen Chen(2007): Professor at NUAA, Nanjing
- Weizhuo Zhao(2007): Engineer at Schneider Electric, Shanghai
- Qing Hu(2007): Engineer at Siemens, Beijing
- Jin Li(2008): Engineer at Fosun Capital Investment, Shanghai
- Gongrui Liu(2008): Associate Engineer at Xi'an Thermal Power Research Institute
- Zhou Tong(2008): Engineer at P&G, Beijing
- Xicheng Chang(2008): Software Engineer at Huawei Technologies
- Xujian Fang(2008): System Analyst at Volkswagen, Shanghai
- Jingyu Zhang(2009): Engineer at China Mobile, Tianjin
- Songyang Liu(2009): Mechanical Engineer at Bosch, China
- Zhiyuan Li(2009): Quality and Reliability Engineer at Intel, China
- Tianwei Wang(2012): Electro Mechanical Engineer at Tesla Motor China
- Chuyu Liu(2015): Electric Engineer at SGCC, China

# Why ETIE ?

- Significant improvement of English skills
- Exceptional hands-on experience
- Great practical training for solving real world problems
- Plenty of job opportunities such as RA, TA
- Internationally well-known professors and research centers
- Priority admission from PNW Engineering Masters graduate program
- Convenient location nearby Chicago
- Relatively low tuition comparing to other universities
- Abundant opportunities of international competitions such as Moon Buggy, Mini Baja, FSAE and research papers

# Campus Life



# Living on Campus - University Village

- Four-bedroom apartments
- Private bedroom
- Full kitchens with Microwave
- Supervision by Resident Assistants
- 5 minutes walk to classes
- Recreation, TV room, music room
- Laundry room



# Purdue Diploma

BE IT KNOWN THAT THE TRUSTEES OF

**Purdue University**

UPON NOMINATION OF THE FACULTY  
HAVE GRANTED TO



THE DEGREE OF

**MASTER OF SCIENCE IN MECHANICAL ENGINEERING**

IN RECOGNITION OF THE FULFILLMENT OF THE  
REQUIREMENTS OF THAT DEGREE AWARDED FOR STUDY AT  
PURDUE NORTHWEST IN THE STATE OF INDIANA

MAY 4, 2019.

*Michael C. Beylert*  
CHAIRMAN OF THE TRUSTEES



*Mitchell S. Daniels, Jr.*  
PRESIDENT OF THE UNIVERSITY

*Thomas L. Kiper*  
CHANCELLOR OF  
PURDUE NORTHWEST

# ETIE Student Feedbacks

很高兴自己能够参加ETIE项目. 在PUC做毕业设计的时期, ETIE这个项目给我们创造了和美国教授沟通交流的机会, 学习了很多关于在美国如何做研究的经验



– Tian Jiang, BIT

# ETIE Student Feedbacks

这里有较好的师资和研究条件,正因为如此,才可以让我在3年的时间内有5篇论文。对于那些准备读PHD的同学,ETIE也是个很好的跳板。在这,有一个国内无法比拟的好处,可以直接去找教授面谈,这样会更容易给教授留下印象,在申请的过程中往往会起到决定性的作用。

- Wei Wu, BIT





# ETIE Student Feedbacks

“ETIE项目为我们提供一个很好平台，无论为以后留美学习还是工作都打下了基础。通过这个项目，我们不仅学到了实用的技能更加深对美国文化的认识，使人更快的成熟成长起来。”

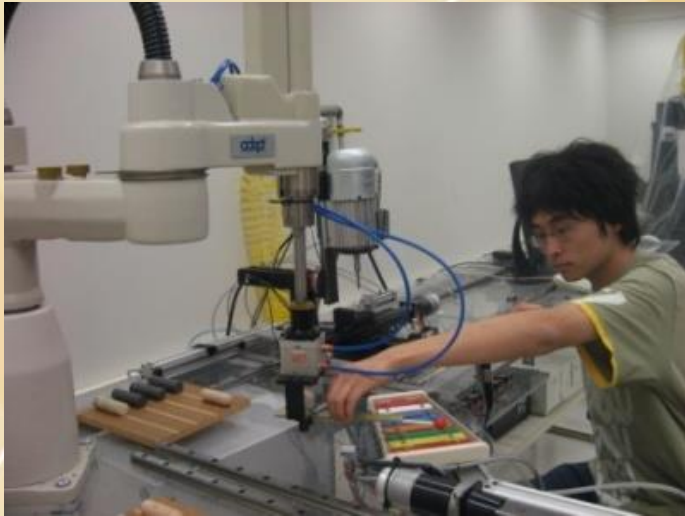
- Shan Ren



# ETIE Student Feedbacks

*“I learned how to do research and how to write a journal paper. I made lots of friends with American people.”*

– Xu Li, NUAA



# ETIE Student Feedbacks

*“We have more research opportunities here”.*

*– Xuan Zhang, SCU*

*“This experience is of great value for my PhD study.”*

*- Xiaoyan Xu, CSU*

*“ETIE program gave me a new home, gave me a big new family.”*

*– Yubin Zhou, BIT*

*“We can take TOEFL and GRE after we enter the US ”.*

*– Xia Huang, CSU*

*“You will get more credits compared with the students directly apply from China”*

*– Zian Zhang, BIT*

# ETIE Student Feedbacks

通过ETIE项目有幸出国学习和生活，我从没后悔过这个选择。大四一年在普渡学习时光很快乐，也很辛苦。做毕业设计开始时很多东西都不会，只能天天泡在实验室。正是这段经历让我喜欢上了我所做的事。所以决定投身于这方面的研究。同时自己在专业知识方面也有所领悟。通过ETIE还认识了很多朋友，能和你们一起讨论学习我很幸运。

*-Dong Fu, BIT*



# ETIE Student Feedbacks

“ETIE项目对自费出国留学来说一个物美价廉的项目。说她物美，是因为她能提供学生优质的科研条件,为中国学生提供一个从单纯的理论学习到注重实际应用的转变平台，说她价廉，因为相对于其他的留学项目，ETIE项目是最省钱中的一个。ETIE项目有一套完善的管理系统，从接机那一刻开始，学生便能感觉到ETIE这个大家庭的温暖”。

- Weizhuo Zhao, CSU



# ETIE Student Feedbacks

“偶然的机会加入ETIE这个项目，让自己获得了去面对更多机会和挑战的机会，感觉自己像一棵小树，从下向上慢慢展开枝叶，逐渐繁茂。但是永远不会忘记自己最初的根基，确是从ETIE这个平台上生长出来的。”

– *Bin Wu, CSU*



# ETIE Student Feedbacks

“我学会了独立自主,懂得了如何更有效率的学习和工作。EITE 每年举办的各种活动丰富了我们的生活,尤其是春晚,为我们在外的学子创造了在家的幸福与温暖。同时,ETIE 老生和社区华人对新生的帮助使得新生能够更快的适应在美的生活。”

- Niana Zhou, CSU



# ETIE Student Feedbacks

“美国的教育制度很好，学校就像一个服务机构，能够尽量解决我们的困难。虽然我们这个校区不大，但是感觉学的东西其实也不少。ETIE提供我们一个很好的平台，让我们能够展翅飞翔”。

- Hao Shen, BIT





# ETIE Student Feedbacks

“这里的毕设与国内的不同，要做两个学期，也就是一个学年，SeniorDesign是对自己大学所学知识的综合与应用。我的导师在整个的毕设过程中给了我很多的帮助，记得那时候每个星期都要与导师讨论毕设问题。另外，这里的SeniorDesign是团队协作的”。

- *Bai Lin, BIT*



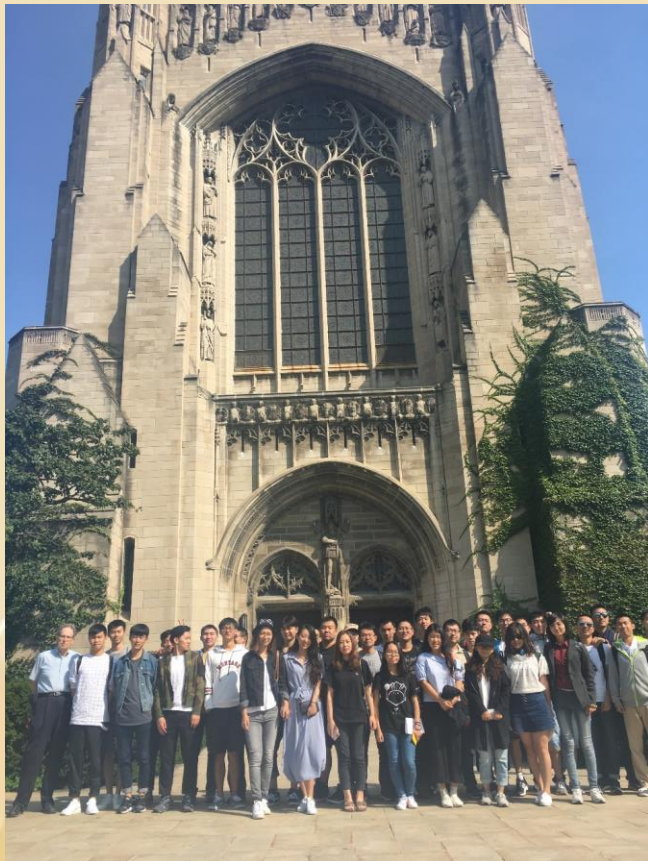
# ETIE Student Feedbacks

“首先我觉得是教授们都非常友好，也非常耐心，我能从每位教授那里得到很多的知识，他们在学术上一丝不苟的精神也让我非常敬佩。第二点我想就是PNW这个大家庭，学长学姐们早就准备好了为我们提供帮助，中国学生会还会经常组织各种活动，让大家在美国学好玩好。最后我觉得就是学校提供的各种服务，比如CareerServiceCenter和WritingCenter”。

- Xuesi Wang, BIT



# ETIE Student Feedbacks



“有着届届优良传统的ETIE项目，无疑是最省心的出国项目。在这里不会孤单，也不会无助。这样的凝聚与团结也是未来过河的一叶扁舟，登高的一把扶梯！”

- *Ye Shi, BIT*

ETIE 梦想起飞的地方！

- *Zhiyuan Li, UESTC*