



# Zheng Liu

## Summary of Curriculum Vitae

### Work experience

July 2020 – Present Full Professor  
University of British Columbia (Okanagan)

August 2015 – June 2020 Associate Professor  
University of British Columbia (Okanagan)  
Kelowna, BC, Canada

April 2012 – August 2015 Full Professor  
Toyota Technological Institute, Nagoya, Japan

April 2002 – April 2012 Research Officer  
National Research Council, Ottawa, ON, Canada

April 2001 – March 2002 NSERC Governmental  
Laboratory Visiting Fellow  
National Research Council, Ottawa, ON, Canada

March 2000 – March 2001 Research fellow  
Nanyang Technological University, Singapore

### Scientific publication

orcid.org/0000-0002-7241-3483  
 Google Scholar Profile

- Book (3)
- Book chapter (14)
- Journal paper (116) (1<sup>st</sup>-authored: 30)
- Journal editorial article (3)
- Conference paper (78)
- Conference presentation (13)
- Technical report (17)
- Misc (5)
- Presentation & invited talk (20)

### Professional membership

- P.Eng. licenses: Ontario & British Columbia
- Senior Member, IEEE
- Senior Member, SPIE
- Member, IPSJ & SSC

### Research grant

- Japanese funding (Yen): 510,200K
- Canadian funding (CAD \$): 2,630K (since 2015)
- US funding (US \$): 40K

### Awards

2019 SPIE Community Champion  
2015 IAPR Best Application Paper Award  
2015 NVIDIA Best Poster Award  
2012 NAECON 2012 Grand Challenge Award  
National Aerospace & Electronics Conference  
2012/16 Best/Outstanding Reviewer  
– ASCE Journal of Computing in Civil Engineering  
– Information Fusion

University of British Columbia (Okanagan)  
School of Engineering  
EME 4205, 1137 Alumni Avenue  
Kelowna, BC V1V 1V7 Canada

### Education

2000 Doctor of Engineering  
Earth Resources Engineering, Kyoto University

2007 Doctor of Philosophy  
Electrical Engineering, University of Ottawa

1996 Master of Engineering  
Automation, Beijing University of Chemical Technology

1991 Bachelor of Engineering  
Mechanical Engineering and Automation  
Beijing Institute of Chemical Fiber Technology

### Services to profession

- Editorial board member/associate editor: 5
- Co-Chair: IEEE TC-1 (NDT & industrial inspection)
- Technical committee membership: 4
- Program committee membership: 14
- Reviewer for funding agencies & publishers: 15
- Reviewer for journal: ~220 submissions
- Reviewer for conference: 25 conferences

### Services to academia

AWS	Ambassador
Supervision	Post-doctoral fellow: 5 Graduate students: 20 Undergraduate student: 12 CO-OP student: 1
Teaching	Graduate course: 5 Undergraduate course: 4 Short course: 2
UBC Committees	5

### Languages

English	Fluent
Japanese	Fluent
Chinese	Native speaker

### Skills

- Project management skills
- Computer skills: R, Python, Matlab, C/C++
- Document typesetting skills: L<sup>A</sup>T<sub>E</sub>X