

Dong Liu

PERSONAL DATA

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EDUCATION

PRESENT	Ph.D.
2016 DEC	<i>Research in statistical models, Bayesian inference, machine learning</i> Division of Information Science and Engineering School of Electrical Engineering and Computer Science KTH Royal Institute of Technology, Stockholm, Sweden.
2016 MAR	M.Sc.
2013 SEP	Top 5%, Excellent Graduate of Shanghai City in 2016. Department of Information and Communication Engineering School of Electrical and Information Engineering Tongji University, Shanghai, China.
2013 JUL	B.E.
2009 SEP	Top 1%, Excellent Graduate of Liaoning Province in 2013 Department of Information and Communication Engineering Shenyang University of Technology, Shenyang, China

EXPERIENCE

Work

2016 DEC	Engineer, standardization of radio access technology
2016 APR	Shanghai Research Institute, Huawei Technologies Co., Ltd

Teaching

PRESENT	Teaching Assistant
2017 SEP	Graduate course EQ2341 Pattern Recognition and Machine Learning KTH Royal Institute of Technology, Sweden.

Summer School

2012 SEP	Chinese Academy of Sciences, China. Scholarship provided by the Chinese Academy of Sciences.
2012 AUG	Kochi University of Technology, Kochi, Japan. Scholarship provided Kochi University of Technology.

RESEARCH INTERESTS AND GRANTS

Machine learning, Bayesian inference, optimization, signal processing, and their applications. Stochastic models and its application to communications. Click my [R&D](#) to see more about my recent project information. Click [Google Scholar](#) to see my publications.

2019 Nov	Grants, amount $\approx 83k$ SEK.
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2017 JAN	<p>Grant from Karl Engvers Foundation, Sweden, 2020.</p> <p>Grant from Knut and Alice Wallenberg Foundation "Jubilee appropriation", Sweden, 2019.</p> <p>Grant from Ericsson Research Foundation, Sweden, 2019.</p> <p>Grant from General Travel Foundation, KTH, Sweden, 2019.</p> <p>Gran from IEEE Signal Processing Society Travel Grant, 2019.</p>
2016 DEC	Postgraduate studies scholarships, amount $\approx 55k$ SEK.
2013 AUG	<p>National Scholarship for Postgraduate Studies, China, 2013-2016.</p> <p>National Scholarship for Postgraduate, China, 2015.</p>
2013 JUN	Undergraduate studies scholarships, amount $\approx 49k$ SEK.
2009 SEP	<p>National Scholarship for Undergraduates in 2012 and 2011, respectively.</p> <p>The First Class Scholarship of Chinese Instrument and Control Society in 2012.</p> <p>The Mayor Scholarship of Shenyang City in 2011.</p> <p>The Scholarship of Liaoning Provincial Government in 2010.</p> <p>The Special Scholarship in 2012, 2011 and the First-class scholarship in 2010, from Shenyang University of Technology.</p>

CONTEST AWARDS

2019	The Bronze Award in the 5th China Internet+ University Graduates Innovation & Entrepreneurship Awards.
2014	<p>The First Prize in the National Postgraduate Mathematic Contest in Modeling in China. Top 2.45% in 4900 teams in China, fast fading channel modeling and optimization. Algorithm optimization and programming for channel modeling simulation.</p>
2012	<p>The President Award in Fukuda Gold Robot Cup Contest of Shenyang City.</p> <p>My team spent 2 months designing a searching robot capable of seeking and picking metal disks in a given area. My work: circuit welding and a part of programming for the main micro-chip.</p>
2011	<p>The Grand Prize in Liaoning Contest District of National Undergraduate Electronic Design Contest.</p> <p>A digital signal transmission analyzer was designed by my team. I programmed the FPGA chips in this contest.</p>
2011	The First Prize in Liaoning Contest District of Chinese Undergraduate Mathematical Contest in 2011 and 2010 respectively.

HONORS

2016 JUN	The Excellent Graduate of Shanghai City in 2016.
TO	The Excellent Graduate of Liaoning Province in 2013.
2011 SEP	<p>The Excellent Graduate of Shenyang University of Technology in 2013.</p> <p>The Award Nomination in People of Year 2012 of Liaoning Provincial Undergraduates.</p> <p>The Pivot of Merit Students of Liaoning Province in 2012.</p> <p>The Outstanding Inspirational Talent of College Students of Liaoning Province in 2011.</p>

The Youth Medal of Shenyang University of Technology in 2012. 4 award winners are selected among over 16,000 undergraduates every two years.
The Second Prize for Outstanding Contribution to the university in 2011, the Excellent Student Leader in 2011, the Pivot of Merit Students in 2010, the Top Ten Students of school in 2012, 2011 and 2010, respectively, Shenyang University of Technology.

LANGUAGES

MOTHER TONGUE : Chinese
PROFESSIONAL : English

OTHER SKILLS

Technical skills: Experienced in the administration of Linux computational servers.
Programming: PYTHON, PYTORCH, BASH, MATLAB, L^AT_EX

STATEMENT OF RESEARCH INTERESTS:

My research interests include probabilistic graphical models, Bayesian inference, machine learning, optimization. I also worked with stochastic models and complex networks. I am interested in practical Bayesian algorithms or models. It is also my interest to look at Bayesian methods on applications such as data representation, image processing, speech recognition, communication networks, social networks. My recent work is mainly on the practical inference and learning algorithm development within probabilistic graphical models.

A PARAGRAPH ANSWERING THE FOLLOWING QUESTIONS:

- Have you submitted a paper to the main ECAI 2020 conference and/or an ECAI 2020 workshop?
Yes
- Was such paper accepted?
Yes