


# Nomination Application Form

## PERSONAL DETAILS

	Full Name	Haiying Shen
	Gender	Female
	Designation	Associate Professor
	Department	Computer Science
	Institution/Organization	University of Virginia
	Qualification	PhD.
	Area of Specialization	Cloud Computing, Distributed Machine Learning
	Sub Division	N/A
	DOB	01/04/1977
	DOJ	07/2016
	Total Experience	17 years
	Mobile Number	832-605-4785
	Email	hs6ms@virginia.edu

### About your Education, Experience and Academic achievements (200 words)

Haiying Shen received the BS degree in Computer Science and Engineering from Tongji University, China in 2000, and the MS and Ph.D. degrees in Computer Engineering from Wayne State University in 2004 and 2006, respectively. She is currently an Associate Professor in the Department of Computer Science at the University of Virginia. Her research interests include distributed computer systems, cloud and edge computing, distributed machine learning, big data and cyber-physical systems. She is a Microsoft Faculty Fellow of 2010, and a senior member of the IEEE and the ACM. Dr. Shen has made significant contributions to her field, boasting an H-index of 46 and over 370 publications in esteemed conferences and journals such as SIGCOMM, CoNext, Infocom, ICDCS, IPDPS and IEEE/ACM Transactions on Networking (TON).

### Top 5 Representative Publications

1. S. S. Shubha and H. Shen, Adalnf: Data Drift Adaptive Scheduling for Accurate and SLO-guaranteed Multiple-Model Inference Serving at Edge Servers, Proc. of SIGCOMM, New York City, US, September 10 - 14, 2023
2. X. Zhang, T. Sen, Z. Zhang, T. April, B. Chandrasekaran, D. Choffnes, B. M. Maggs, H. Shen, R. K. Sitaraman, X. Yang, AnyOpt: Predicting and Optimizing IP Anycast Performance, Proc. of SIGCOMM, 2021
3. SS. Shubha, S. Mahmud, H. Shen, G. Fox, M. Marathe, "Accurate and Efficient Distributed COVID-19 Spread Prediction based on a Large-Scale Time-Varying People Mobility Graph". Proc. of The 37th IEEE International Parallel and Distributed Processing Symposium (IPDPS), May 15-19, 2023, Florida, USA
4. T. Sen and H. Shen, Distributed Training for Deep Learning Models On an Edge Computing Network Using Shielded Reinforcement Learning, Proc. of the 42nd IEEE International Conference on Distributed Computing Systems (ICDCS), July 10 - July 13, 2022, Bologna, Italy
5. Dapeng Qu, Guoxin Lv, Shijun Qu, Haiying Shen\*, Yue Yang, Zhaoyang Heng. An effective and lightweight countermeasure scheme to multiple network attacks in NDN. IEEE/ACM Transactions on Networking, 2022, 30(2): 515-528

# Nomination Application Form

## RESEARCH, INNOVATIONS AND EXTENSION

Question	Nos.	Question	Nos.
No. of Research Project Completed and On Going	49	Citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index	9136
No. of Consultancy and Industries Sponsored Projects	4	No. of Books Published with ISBN (Text, Reference, Chapters and Conference Proceedings)	6
Total cost of the all Projects in USD/INR	\$8,957,137	No. of Patent Published and Under Process	0
No. of Journals Published in SCI and SCIE index	N/A	No. of Editorial Appointments in Journals/ Conferences (Editor, Reviewer and Member)	9
No. of Journals Published in Scopus, Web of Science and PubMed index	N/A	No of Countries Visited for research activities	10
No. of Journals Published in Other index	151	No. of Research scholar Graduated	14
No. of Conference Presentation	80	No. of Research scholar On Going	8
Cumulative impact factor of the last 3 years	N/A	No. Invited Speaker/ Resource person	19
H-index: Bibliometrics of the publications based on Scopus/ Web of Science.	46	No. of Research Conference/workshop Organized	37
Total number of Collaborative activities for research: (Joint publication/Project)	379	Total number of awards and recognition received	24
Number of functional MoUs with other universities/ industries/ corporate.	10	No. of Member of Professional Bodies:	69
<b>Areas of Research</b>	Computer Networks		

### About your contribution towards the Research & Development, Innovations, and Extension Activities (200 words)

Dr. Haiying Shen is currently an Associate Professor in the Department of Computer Science at University of Virginia. She received the 2010 Microsoft Faculty Fellowship Award, the 2015 IEEE Technical Committee on Scalable Computing (TCSC) Mid-career Award, the 2015 IBM Faculty Award, the 2013 NSF CAREER Award, and the 2013 Sigma Xi Clemson Chapter Young Investigator Award. Her research area is distributed systems with focuses on Distributed Machine learning, Cloud computing and datacenters, and Cyber-physical systems. Dr. Shen has made significant contributions to her field, boasting an H-index of 46 and over 370 publications in esteemed conferences and journals such as SIGCOMM, CoNext, Infocom, ICDCS, IPDPS and IEEE/ACM Transactions on Networking (TON). Her papers received George N. Saridis best transactions paper award 2021, the best paper awards in CloudCom2016 and NAS2018, best paper runner-up award in ICCCN2015, best paper award nominees in ICPP2021, MASS2011 and CCGrid2009, and best-in-session-presentation award in INFOCOM2017. She currently advises eight Ph.D. students. She is an Associate Editor for the IEEE/ACM Transactions on Networking (TON), IEEE Transactions on Mobile Computing (TMC), IEEE Networking Letters (NL). She is also a program committee member of many leading conferences, and the former program co-chair and general co-chair for a number of international conferences.

# Nomination Application Form

## PERSONAL/ RESEARCH PROOFS, CATEGORY OF AWARD AND DECLARATION

Google scholar link (Publication Proof)	<a href="https://scholar.google.com/citations?user=W0Cx7ZAAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=W0Cx7ZAAAAAJ&amp;hl=en</a>	
Scopus link (Publication Proof)	<a href="https://www.cs.virginia.edu/~hs6ms/">https://www.cs.virginia.edu/~hs6ms/</a>	
Linkedin link (Publication Proof)		
Researchgate link (Publication Proof)		
Institute ID Link/Upload/Number (Working Proof)	<a href="https://engineering.virginia.edu/faculty/haiying-shen">https://engineering.virginia.edu/faculty/haiying-shen</a>	
Certificate Links/Upload/Number (Education Proof of Last degree)		
Passport/ Govt. ID Links/Upload/ Number (Age Proof)	562646238	
Personal website link		
Tick the Suitable award category	<input type="checkbox"/> Distinguished Scientist Award <input type="checkbox"/> Young Scientist Award <input type="checkbox"/> Life time achievement Award <input type="checkbox"/> Outstanding scientist award <input type="checkbox"/> Women Research Award <input checked="" type="checkbox"/> Best Researcher Award <input type="checkbox"/> Best Innovation Award	<input type="checkbox"/> Best Faculty Award <input type="checkbox"/> Best Research Scholar Award <input type="checkbox"/> Excellence in Innovation <input type="checkbox"/> Excellence in Research <input type="checkbox"/> Excellence Award (Any Scientific field) <input type="checkbox"/> Best Research /Innovation Extension activity.

### Self Declaration

I authenticate that to the best of my knowledge, the information given in this form is correct and complete. At any time I am found to have concealed any material information, my application shall be liable to be summarily terminated without notice. I have read the terms and conditions and other policies of the International Research Awards and agree to stand the same. I agree to ScienceFather to process the data submitted in this application form, or any other data that the Foundation may obtain from me for any purposes connected with ScienceFather for any other legitimate reason. The filled applications along with duly completed curriculum vitae, Pass port size photograph, Scan copy of the degree Certificate, Scan copy of the Working ID and related documents should be Upload in website/ sent via email to : [contact@sciencefather.com](mailto:contact@sciencefather.com)

Date : Place : Scanned Signature of Applicant

### Office Use only

Decision	Reason	Signature of authorities	Date
Selected/Rejected			



## Type / Type / Tipo: \_\_\_\_\_ Code / Código: \_\_\_\_\_ Passport No. / No. du Passeport / No. de Pasaporte: \_\_\_\_\_

USA

562646238

Surname / Nom / Apellidos

SHEN

Given Names / Prénoms / Nombres

## HAYING

Nationality / Nationalité / Nacionalidad

UNITED STATES OF AMERICA

Date of birth / Date de naissance / Fecha de nacimiento

04 Jan 1977

Place of birth / Lieu de naissance / Lugar de nacimiento

## CHINA

Date of issue / Date de délivrance / Fecha de expedición

14 Jul 2017

Date of expiration / Date d'expiration / Fecha de caducidad

13 Jul 2027

Endorsements / Mentions Spéciales / Anotaciones

Sex / Sexe / Sexo

□

Authority / Autorité / Autoridad

United States

Department of State

# USA

SEE PAGE 27

[illegible]

5626462386USA7701041F2707130193136389<406528



# Wayne State University

Upon the recommendation of the Faculty of the

## Graduate School

The Board of Governors hereby confers upon

**Ming Shen**  
the degree

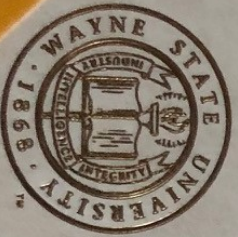
## Doctor of Philosophy

With all the rights and privileges pertaining to that degree.

Given at Wayne State University in the City of Detroit

and the State of Michigan

this second day of May, 2006



*Henry A. Rasur*  
Associate Provost and Dean of the Graduate School

*Joe A. Miller*  
President  
Secretary, Board of Governors