

## Ying Zhang (PhD)

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## EDUCATION

<b>Ph.D.</b>	University of British Columbia, Canada	1994
Computer Science	<b>Research areas:</b> <i>Formal Modeling, Specification and Verification, Real-Time Embedded Systems, Robotic and Hybrid Systems, Constraint-Based Control</i>	
<b>M.Sc.</b>	University of British Columbia, Canada	1989
Computer Science	<b>Research areas:</b> <i>Artificial Intelligence (Planning, Reasoning, Vision) Object-Oriented Programming, Parallel and Distributed Systems, Robotic Systems</i>	
<b>M.Sc.</b>	Zhejiang University, China	1987
Computer Science	<b>Research Areas:</b> <i>Computer Applications, Artificial Intelligence (Rule-Based Systems, Image Understanding)</i>	
<b>B.Sc.</b>	Zhejiang University, China	1984
Computer Science	<b>Research Areas:</b> <i>Computer Graphics</i>	

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## EMPLOYMENT

Member of Research Staff II	(Xerox) Palo Alto Research Center, California <b>Research areas:</b> <i>sensor networks routing and localization, software architecture for modular robotics, distributed control and optimization</i>	1999 - present
Member of Research Staff II	Xerox Architecture and Document Systems Technology Center, California <b>Research areas:</b> <i>Xerox DataGlyph software development toolkit</i>	1997 - 1998
Technical Specialist / Project Manager	Xerox Wilson Center for Research and Technology, New York <b>Research areas:</b> <i>Constraint-based modeling, control and scheduling, discrete-event simulation, CORBA-like modeling environment</i>	1995 - 1997
Post-doctor Fellow	University of British Columbia, Canada <b>Research areas:</b> <i>same as that of Ph.D.</i>	1994 - 1995
Lecturer	University of British Columbia, Canada <b>Teaching courses:</b> <i>Logic and Functional Programming (Prolog and ML)</i>	1994
Summer Intern	Xerox Palo Alto Research Center, California <b>Research areas:</b> <i>Model estimation and energy efficient control for HVAC</i>	1993
Research Assistant	University of British Columbia, Canada <b>Research areas:</b> <i>same as that of Ph.D.</i>	1988 - 1994
Instructor	Zhejiang University, China <b>Teaching courses:</b> <i>Linear Algebra</i>	1987

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## PROFESSIONAL SERVICES

### Editorial

Associate Editor	<a href="#">ACM Transactions on Sensor Networks</a>	2005 - present
Associate Editor	<a href="#">International Journal of Ad Hoc and Ubiquitous Computing</a>	2004 - present
Information Director	<a href="#">ACM Transactions on Sensor Networks</a>	2004 - present

## Special Issue Guest Editors

<i>Distributed Systems of Sensors and Actuators</i>	<a href="#">Wireless Communications and Mobile Computing</a>	2006
<i>Wireless Sensor Networks</i>	<a href="#">International Journal of Ad Hoc and Ubiquitous Computing</a>	2005
<i>Wireless Sensor Networks</i>	<a href="#">Telecommunication Systems</a>	2003

## Technical Program Committee

[WASA06](#), [AHUC06](#), [DCOSS06](#), [ICDCS06](#), [RTSS05](#), [WirelessCom05](#), [AINA06/PCAC06](#), EmNetS-I

## Organization Committee

Publicity Chair: [IPSN2007](#), Publication Chair: [IPSN2003](#), Workshop Co-chair: [International Workshop on Constraints in Control](#), 1999, National Science Foundation Panelist: 2004, 2006

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## AWARDS

Team Excellence Award	Palo Alto Research Center, California	2006
Excellence Award	Palo Alto Research Center, California	2006
Special Recognition Award	Palo Alto Research Center, California	2004
Excellence Award	Palo Alto Research Center, California	2003
PARC Outstanding Performance Award	Palo Alto Research Center, California	2003
Team Excellence Award	Xerox, California	2000
Achievement Award	Xerox, California	1999
Team Excellence Award	Xerox, California	1998
Appreciation Award	Xerox, New York	1997
Achievement Award	Xerox, New York	1997
Postgraduate fellowship	National Science Education Research Council, Canada	1994 - 1995
University Graduate Fellowship	University of British Columbia, Canada	1991 - 1992
University Graduate Fellowship	University of British Columbia, Canada	1989 - 1991
University Student Scholarship	Zhejiang University, China	1984
University Student Scholarship	Zhejiang University, China	1983
First Class Award (Second Place)	City's High School Student Competition in Physics, China	1979

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## PUBLICATIONS

<http://www.parc.com/yzhang/publications.html>

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## SKILLS AND EXPERIENCE

### Recent Projects:

- Routing application simulation environment (Matlab)
- System for tracking and localization (Matlab, TinyOS/NesC)
- Constraint-based routing for sensor networks (Matlab, TinyOS/NesC)
- XML robot programming script for modular robots (XML, Java)
- Attribute/Service Model for embedded devices (C/Java, VxWorks/pSOS)
- Massive Distributed Control Nets for CAN-based communications (C/Java, vxWorks/pSOS)