





# Congzhou Zhou, Ph.D.

## Technology Specialist, Patent Agent

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## Overview

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### About Congzhou

Congzhou Zhou, Ph.D., is a technology specialist and patent agent in the Dallas office of Fish & Richardson P.C. His practice focuses on patent prosecution and his areas of expertise include telecommunications, computer network applications, software and database technologies. Dr. Zhou's doctoral study focused on wireless communications and networking.

Dr. Zhou has co-authored 10 publications relating to electrical engineering/telecommunications and he is a named inventor on U.S. Patent 8,023,412, "Systems and Methods for Modeling a Mobile Ad Hoc Wireless Network," issued September 20, 2011.

### Focus Areas

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### Services

- Patent
- Patent Prosecution

## Education

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Ph.D., Electrical Engineering, Columbia University (2010)

M.Phil., Electrical Engineering, Columbia University (2008)

M.S., Electrical Engineering, University of Southern California (2002)

B.S., Electrical Engineering, Northwestern Polytechnical University (1998)

## Experience

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### Patents

Inventor, U.S. Patent 8,023,412, "Systems and Methods for Modeling a Mobile Ad Hoc Wireless Network," issued September 20, 2011.

## Insights

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### Publications

Congzhou Zhou and N. F. Maxemchuk, "Distributed Bottleneck Flow Control in Mobile Ad Hoc Networks," *Network Protocols and Algorithms* 3(1) (March 2011) 22-45.

Congzhou Zhou and N. F. Maxemchuk, "Scalable Max-Min Fairness in Wireless Ad Hoc Networks," *Ad Hoc Networks* 9(2) (March 2011) 112-119.

Congzhou Zhou and N. F. Maxemchuk, "Bandwidth Balancing in Mobile Ad Hoc Networks," *IEEE WiMob*, Niagara Falls, Canada, October 2010.

Congzhou Zhou and N. F. Maxemchuk, "Applying a Macro Model of Ad Hoc Networks to Access Control," *Seventh International Conference on Networking (ICN 2008)*, Cancun, Mexico, April 2008.

N. F. Maxemchuk and Congzhou Zhou, "A Macro Model of Frequently Changing Mobile Networks to Perform Flow and Access Control," *Mobile Networks and Applications* 11(5) (October 2006) 649-659.

Bhaskar Krishnamachari, Congzhou Zhou, and Baharak Shademan, "Self Optimization in Sensor Networks," book chapter in *Advances in Pervasive Computing and Networking*, Eds. B. Szymanski

and B. Yener, Kluwer Publishers, 2004.

Congzhou Zhou and Bhaskar Krishnamachari, "Localized Topology Generation Mechanisms for Self-Configuring Sensor Networks," IEEE Globecom, San Francisco, December 2003.

## Languages

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- English
- Mandarin Chinese