Tatsuya Suda, Ph.D

President, University Netgroup, Inc (also known as Tatsuya Suda and Company, Inc.)
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Formerly, Professor, Information and Computer Science, University of California, Irvine, CA 92697

Research Field

- Networks
  - Entire spectrum from the design and performance evaluation of these systems to their actual implementation
- Fundamental research issues in intersection of computer science and biology
  - Bio inspired networks
    - Application of biological concepts to networks and network applications
  - Bio computing and communication
    - Nano scale computing and communication systems using biological materials
- Fundamental research issues in intersection of computer science and social/psychology sciences
  - Social networks and school/cyber bullying

Strength

- 29 years of experience in higher education
- Creating innovative ideas
- Leading and managing research projects
- Raising research funds and writing proposals

Goals

- Excelling in network solutions for real-world environments
- Excelling in integrating Computer Science and Biology
- Fostering young researchers through research

Summary of Key Employment

- President, University Netgroup Inc. (also known as Tatsuya Suda and Company, Inc.) (2005 - present)
- Executive Vice President, IST International Inc. (2010 - Aug. 2011)
- Professor (July 1994 - Oct. 2010), Associate Professor (July 1990 - June 1994), Assistant Professor (July 1984 - June 1990) in Computer Science, University of California, Irvine
- Post Doctoral Researcher, Department of Computer Science, Columbia University (1982 - 1984)

Education

- Ph.D., Applied Mathematics and Physics, Faculty of Engineering, Kyoto University, Kyoto, Japan, March 1982
- M.E., and B.E., Applied Mathematics and Physics, Faculty of Engineering, Kyoto University, Kyoto, Japan, March 1979 and March 1977

Key Honors and Awards

- IEEE Fellow, since 2001
- IEEE Communications Society Distinguished Lecturer, 2009 - 2010

- 3 Best Paper Awards and 4 Best Paper Award Candidates
- Best Research and Development Award, 2008
- Outstanding Service Award, IEEE Tech. Committee on Computer Commun. (TCCC), 2006
- Certificate of Appreciation, IEEE Communications Society, IEEE Computer Society, ACM SIGCOMM, 2001, 1999, 1997, 1996
- Chancellor's Award for Excellence in Fostering Undergraduate Research, University of California, Irvine, 1999
- 4 Appreciation Awards for Undergraduate Education, U. of California, Irvine, 1993, 1994, 1996
- IBM Post Doctoral Fellowship, IBM, 1983 - 1984

Key Professional Activities

- **Editorial Activity**
  - Editorship, IEEE/ACM Trans. on Networking (1999-2002), ACM Wireless Networks (WINET) (2007-2012), IEEE Journal on Selected Areas in Communications (JSAC) (guest editor), IEEE Trans. on Communications (1992-1998)
  - Member of the Editorial Board of the Handbook of Computer Networks, Wiley and Sons, New York, 2006
  - Member of the Editorial Board of the Encyclopedia of Electrical and Electronics Engineering, Wiley and Sons, New York, 1998
- **IEEE Technical Committee Activity**
  - IEEE Fellow Evaluation Committee, IEEE Computer Society, 2007 - 2009
  - Co-Chair, Bio (Nano-Scale, Molecular & Quantum Networking), IEEE Emerging Technology Committee, 2008 - 2009
  - Director, IEEE and US Society Relations, the IEEE Communications Society, 1998 - 1999
  - Chair, IEEE Technical Committee on Computer Communications, 1995 - 1997
- **Conference Technical Program Chair and Other Significant Roles**
  - Has served on a numerous IEEE, ACM and other conference committees including TPC co-chair of IEEE Infocom 1997
  - Has given a number of keynote speeches at IEEE, ACM and other conferences and workshops
  - Has served on a number of advisory boards for private and public research institutions

Research Grants: total of $11,504,278.05

- Funding sources include US Federal and State agencies and US and Japanese private industry
- Includes $111,850.50 support for undergraduate students

Patents

- 28 patents pending in Japan, US, Europe, Korea and China in networks and bio communication

Selected Publications

1. Selected Encyclopedia and Book Chapters

[1] R. Egashira, A. Enomoto and T. Suda, "Distributed and Adaptive Discovery Using Preference," Handbook of Research on P2P and Grid Systems for Service - Oriented Computing: Models, Methodologies, and Applications, Jan. 2010.

[2] J. Lu, Y. Pan, S. Yamamoto and T. Suda, "Robust Data Dissemination for Wireless Sensor Networks in Hostile Environments," Springer Book on Sensor Nets, Vol.2, pp. 145 - 165, 2009.

[3] T. Suda, T. Nakano, M. Moore and K. Fujii, "Biologically Inspired Approaches to Network Systems," the Grid Enabled Remote Instrumentation, Springer, Vol.2, pp. 99 - 113, 2009.

[4] M. Moore, A. Enomoto, T. Suda, T. Nakano and Y. Okaie, "Molecular Communication: New Paradigm for Communication Among Nano-Scale Biological Machines," the Handbook of Computer Networks, Wiley, John Wiley & Sons Inc., Nov. 2007.

[5] T. Suda, T. Nakano and K. Fujii, "Applications of Biological Concepts to Designs of Computer Networks and Network Applications," the Handbook of Computer Networks, Wiley, John Wiley& Sons Inc., Nov. 2007.

[6] J. Lu, Y. Pan, R. Egashira, K. Fujii, A. Yahaya and T. Suda, "Adaptive Networks," the Cognitive Networks, Q. H. Mahmoud (eds.), John Wiley & Sons Inc, July 2007.

[7] T. Suda, T. Itao and M. Matsuo, "The Bio-Networking Architecture: A Biologically Inspired Approach to the Design of Scalable, Adaptive and Survivable/Adaptable Network Applications," the Internet as a Large Complex System, 2005.

[8] C. Albuquerque, B. J. Vickers and T. Suda, "A Source Adaptive Multi-Layered Multicast Algorithm for Internet Video Distribution," the Springer-Verlag book entitled "Multimedia Internet Broadcasting," 2001.

[9] T. Suda, "Asynchronous Transfer Mode (ATM) Networks," the Encyclopedia of Electrical and Electronics Engineering, April 1999.

[10] D. C. Schmidt and T. Suda, "A Framework for Measuring the Performance of Alternative Process Architectures for Parallel Communication Subsystems," the Network Performance Modeling and Simulation, April 1998.

[11] K. Kuwabara, T. Ishida, Y. Nishibe and T. Suda, "Equilibratory Market-Based Approach for Distributed Resource Allocation and Its Applications to Communication Network Control," World Scientific Publishing Co. Pte. Ltd., pp. 53 - 73, March 1996.

- **2 Additional Encyclopedia and Book Chapters (in Japanese)**

2. Selected Journal Papers

2-1. IEEE and ACM Journal Papers

[1] M. Moore, K. Oiwa and T. Suda, "Molecular Communication: Modeling Noise Effects on Information Rate," IEEE Transactions on Nanobioscience, Vol.8, Issue 2, No. 169, pp. 180, June 2009.

[2] Yahaya, T. Harks and T. Suda, "iREX: Efficient automation architecture for the deployment of inter-domain QoS policy," the IEEE Transactions on Network and Service Management, March 2008.

[3] X. Gu, J. Strassner, J. Xie, L. C. Wolf and T. Suda, "Autonomic Multimedia Communications: Where Are We Now?," the Proceeding of the IEEE, Vol.96, No. 1, Jan. 2008.

[4] J. Lu and T. Suda, "Differentiated Surveillance for Static and Random Mobile Sensor Networks," the IEEE Transactions on Wireless Communications (TWC), Oct. 2007.

[5] K. Fujii and T. Suda, “Semantics-based Dynamic Service Composition,” the IEEE Journal on Selected Areas in Communications (JSAC), special issue on Autonomic Communication Systems, Vol. 23, No. 12, pp. 2361 - 2372, Dec. 2005.
[6] T. Nakano and T. Suda, “Self-Organizing Network Services with Evolutionary Adaptation,” the IEEE Transactions on Neural Networks, Vol. 16, No. 5, Sept. 2005.
[7] J. Suzuki and T. Suda, “A Middleware Platform for a Biologically-inspired Network Architecture Supporting Autonomous and Adaptive Applications,” the IEEE Journal on Selected Areas in Communications (JSAC), Special Issue on Intelligent Services and Applications in Next Generation Networks, Vol.23, No.2, Feb. 2005.
[8] Y. Pan, M. Lee, J. B. Kim and T. Suda, “An End-to-End Multi-Path Smooth Handoff Scheme for Stream Media,” the IEEE Journal on Selected Areas in Communications (JSAC), Special-Issue on All-IP Wireless Networks, Vol. 22, No. 4, pp. 653 - 663, May 2004.
[9] T. Itao, S. Tanaka, T. Suda and T. Aoyama, “A Framework for Adaptive UbiComp Applications Based on the Jack-in-the-Net Architecture,” the Kluwer/ACM Wireless Network Journal, Vol. 10, No. 3, pp. 287 - 299, May 2004.
[10] Albuquerque, B. J. Vickers and T. Suda, “Network Border Patrol: Preventing Congestion Collapse and Promoting Fairness in the Internet,” the IEEE/ACM Transactions on Networking, Vol. 12, No. 1, Feb. 2004.
[11] F. Ishizaki, G. C. Lin and T. Suda, “An Application of the Proportional Relation to Concurrent Estimation,” the IEEE Transactions on Automatic Control, Vol. 48, No. 10, pp. 1861 - 1865, Oct. 2003.
[12] J. Vickers, C. Albuquerque and T. Suda, “Source Adaptive Multi-Layered Multicast Algorithms for Real-Time Distribution,” the IEEE/ACM Transactions on Networking, Vol.8, No.6, pp. 720 - 733, Dec. 2000.
[13] Oliveira, J. B. Kim and T. Suda, “An Adaptive Bandwidth Reservation Scheme for High-Speed Multimedia Wireless Networks,” the IEEE Journal on Selected Areas in Communications (JSAC), Vol. 16, No. 6, Aug. 1998.
[14] B. J. Vickers, M. Lee and T. Suda, “Feedback Control Mechanisms for Real-Time Multipoint Video Services,” the IEEE Journal on Selected Areas in Communications (JSAC), Vol. 15, No. 3, April 1997.
[15] T. Takine, T. Suda and T. Hasegawa, “Cell Loss and Output Process Analysis of a Finite-Buffer Discrete-Time ATM Queuing System with Correlated Arrivals,” the IEEE Transactions on Communications, March 1995.
[16] C. Schmidt and T. Suda, “Transport System Architecture Services for High-Performance Communication Systems,” the IEEE Journal on Selected Areas in Communications (JSAC), Special-Issue on Gigabit Network Protocols and Applications, Vol. 11, No. 4, May 1993.
[17] J. Bae, T. Suda and N. Watanabe, “Evaluation of the Effects of Protocol-Processing overhead in Error Recovery Schemes for a High-Speed Packet Switched Network: Link-by-Link Versus Edgeto-Edge Schemes,” the IEEE Journal on Selected Areas in Communications (JSAC), Special Issue on Architectures and Protocols for Integrated Broadband Switching, Vol.9, No.9, pp. 1496 - 1509, Dec. 1991.
[18] J. Bae and T. Suda, “Survey of Traffic Control Schemes and Protocols in ATM Networks,” Proc. of the IEEE, Special Issue on ISDN, pp. 170 - 189, Feb. 1991.
[19] W. Wong, T. Suda and L. Bic, “Performance Analysis of A Message-Oriented Knowledge-Base,” the IEEE Transactions on Computers, Vol.39, No.7, pp. 951 - 957, July 1990.
[20] M. Murata, Y. Oie, T. Suda and H. Miyahara, “Analysis of a Discrete-Time Single Server Queue with Bursty Inputs for Traffic Control in ATM Networks,” the IEEE Journal on Selected Areas in Communications (JSAC), Vol.8, No.3, pp. 447 - 458, April 1990.

[21] Y. Oie, T. Suda, H. Miyahara and T. Hasegawa, “Throughput and Delay Analysis of Free Access Tree Algorithm with Mini-Slots,” the IEEE Transactions on Communications, Vol.38, pp. 137 - 141, Feb. 1990.
[22] T. Suda and T. Bradley, “Packetized-Voice/Data Integrated Transmission on a Token Passing Ring Local Area Network,” the IEEE Transactions on Communications, Vol. 37, No. 3, pp. 238 - 244, March 1989.
[23] T. Suda, H. Miyahara and T. Hasegawa, “Performance Evaluation of a Packetized Voice System-Simulation Study,” the IEEE Transactions on Communications, Vol.COM-32, No. 1, pp. 97 - 102, Jan. 1984.
[24] T. Suda, H. Miyahara and T. Hasegawa, “Performance Evaluation of an Integrated Access Scheme in a Satellite Communication Channel,” the IEEE Journal on Selected Areas in Communications (JSAC), Vol. SAC-1, No. 1, pp. 153 - 164, Jan. 1983.
[25] T. Suda, H. Miyahara and T. Hasegawa, “Optimal Bandwidth Assignment on Up- and Down-Links of Satellite with Buffer Capacity,” the IEEE Transactions on Communications, Vol. COM-28, No. 10, pp. 1809 - 1818, Oct. 1980.

2-2. IEEE Magazine Papers

[1] D. Hong, C. Albuquerque, C. Oliveira and T. Suda, “Evaluating the Impact of Emerging Streaming Media Applications on TCP/IP Performance,” the IEEE Communications Magazine, Vol.39, No.4, pp. 76 - 82, April 2001.
[2] L. Chen and T. Suda, “Designing Mobile Computing Systems Using Distributed Objects,” the IEEE Communications Magazine, Vol.35, No.2, Feb. 1997.
[3] B. Vickers and T. Suda, “Providing Connectionless Service in ATM Networks,” the IEEE Communications Magazine, Vol.32, No.8, Aug. 1994.
[4] D. P. Hong and T. Suda, “Congestion Control and Prevention in ATM Network,” the IEEE Network Magazine, Vol.5, No.4, pp. 39737, July 1991.

2-3. Performance Evaluation

[1] C. Albuquerque, B. J. Vickers and T. Suda, “Credit-Based Source-Adaptive Multi-Layered Multicast,” the Performance Evaluation (International Journal), Vol. 40, No. 1-3, pp. 135 - 159, March 2000.
[2] T. Takine, Y. Matsumoto, T. Suda and T. Hasegawa, “Mean Waiting Times in Nonpreemptive Priority Queues with Markovian Arrival and I.I.D. Service Processes,” the Performance Evaluation (International Journal), Vol. 20, No. 1-3, May 1994.

2-4. Other Journal Papers

[1] M. J. Moore, T. Nakano, A. Enomoto, T. Suda, "Anonymity and Roles Associated with Aggressive Posts in an Online Forum", accepted for publication, Elsevier Computers in Human Behavior 2011.

And:

- **7 papers in Computer Networks and ISDN Systems**
- **19 papers in other journals**
- **14 papers in journals and magazine (in Japanese)**

2-5. Biology and Chemistry Journals

[1] Y. Sasaki, Y. Shioyama, W-J Tian, J. Kikuchi, S. Hiyama, Y. Moritani and T. Suda, "A Nano Sensory Device Fabricated on a Liposome for Detection of Chemical Signals," Biotechnology & Bioengineering, Vol.105, Issue 1, pp. 37 - 43, Sept. 2009.

[2] M. Mukai, K. Maruo, J. Kikuchi, Y. Sasaki, S. Hiyama, Y. Moritani and T. Suda, "Propagation and Amplification of Molecular Information Using a Photo-Responsive Molecular Switch," the Supramolecular Chemistry, April 2009.

[3] T. Nakano, T. Suda, T. Koujin, T. Haraguchi and Y. Hiraoka, "Molecular Communication through Gap Junction Channels," the Transactions on Computational Systems Biology Journal, Springer, Vol.10, LNBI 5410, pp. 81 - 99, Dec. 2008.

[4] S. Hiyama, T. Inoue, T. Shima, Y. Moritani, T. Suda and K. Sutoh, "Autonomous Loading, Transport and Unloading of Specified Cargoes by Using DNA Hybridization and Biological Motor-Based Motility," the Small, Vol.4, No.4, pp. 410 - 415, March 2008.

3. Standards for Super Distributed Objects, Object Management Group (OMG)

[1] S. Sameshima, J. Suzuki, S. Steglich and T. Suda, "Platform Independent Model (PIM) and Platform Specific Model (PSM) for Super Distributed Objects," Object Management Group, final adopted specification, OMG document number: dtc/03-09-01, Sept. 2003.

[2] S. Sameshima, J. Suzuki, S. Steglich and T. Suda, "Platform Independent Model (PIM) and Platform Specific Model (PSM) for Super Distributed Objects," Object Management Group, draft adopted specification, OMG document number: dtc/03-04-02, April 2003. http://www.omg.org/cgibin/doc?dtc/03-04-0217

[3] S. Sameshima, J. Suzuki, S. Steglich and T. Suda, "Platform Independent Model (PIM) and Platform Specific Model (PSM) for Super Distributed Objects," OMG document number: sdo/03-03-01 (revised joint submission), March 2003.

[4] S. Sameshima, J. Suzuki and T. Suda, "The Initial Submission to the Platform Independent Model (PIM) and Platform Specific Model (PSM) for Super Distributed Objects," Super Distributed Objects Domain SIG, Object Management Group, OMG document number: sdo/2002-09-02, Sept. 2002.http://cgi.omg.org/cgi-bin/doc?sdo/2002-09-02

[5] J. Suzuki, K. Fujii and T. Suda, "The UCI Initial Proposal to SDO PIM," Super Distributed Objects Domain SIG, Object Management Group, OMG document number: sdo/2002-06-03,21June 2002.http://cgi.omg.org/cgi-bin/doc?sdo/2002-06-03

[6] S. Sameshima, J. Suzuki, S. Arbanowski and T. Suda, "OMG Super Distributed Objects White Paper," Super Distributed Objects Domain Special Interest Group, Object Management Group, July 2001.

[7] S. Sameshima, J. Suzuki, S. Steglich and T. Suda, "PIM and PSM for Super Distributed Objects," the Request for Proposal, Super Distributed Objects Domain SIG, Object Management Group, OMG document number: sdo/02-01-04, Jan. 2001.

4. Conference Papers - Refereed

4-1. IEEE INFOCOM (3 referees)

[1] Yahaya and T. Suda, "iREX: Inter-domain Resource Exchange Architecture," Proc. of the IEEE Infocom, April 2006.

[2] M. Yang, Y. Huang, J. B. Kim, M. Lee, T. Suda and D. Matsubara, "An End-to-End QoS Framework with On-Demand Bandwidth Reconfiguration," Proc. of the IEEE Infocom, April 2004.

[3] T. Ozaki, J. B. Kim and T. Suda, "Bandwidth-Efficient Multicast Routing Protocol for Ad-Hoc Networks," Proc. of the IEEE Infocom, April 2001.

[4] Albuquerque, B. J. Vickers and T. Suda, “Network Border Patrol,” Proc. of the IEEE Infocom, March 2000.
[5] J. Vickers, C. Albuquerque and T. Suda, “Adaptive Multicast of Multi-Layered Video: Rate-Based and Credit-Based Approaches,” Proc. of the IEEE Infocom, March 1998.
[6] P. Hong and T. Suda, “Performance of ERICA and QFC for Transporting Bursty TCP Sources with Bursty Interfering Traffic,” Proc. of the IEEE Infocom, March 1998.
[7] G. C. Lin and T. Suda, “On the Impact of Long-Range-Dependent Traffic in Dimensioning ATM Network Buffer,” Proc. of the IEEE Infocom, March 1998.
[8] C. Schmidt and T. Suda, “Measuring the Performance of Parallel Message-based Process Architectures,” Proc. of the IEEE Infocom, April 1995.
[9] D. F. Box, D. P. Hong and T. Suda, “Architecture and Design of Connectionless Data Service for a Public ATM Network,” Proc. of the IEEE Infocom, March 1993.
[10] T. Takine, T. Suda and T. Hasegawa, “Cell Loss and Output Process Analysis of a Finite-Buffer Discrete-Time ATM Queuing System with Correlated Arrivals,” Proc. of the IEEE Infocom, March 1993.
[11] J. Bae, T. Suda and R. Simha, “Analysis of Individual Packet Loss in a Finite Buffer Queue with Heterogeneous Markov Modulated Arrival Processes: A Study of Traffic Burstiness and Priority Packet Discarding,” Proc. of the IEEE Infocom, pp. 219 - 230, May 1992.
[12] Y. Oie, T. Suda, M. Murata and H. Miyahara, “Survey of Switching Techniques in High-Speed Networks and Their Performance,” Proc. of the IEEE Infocom, June 1990.
[13] T. Suda and K. Goto, “Performance Study of a Tree LAN with Collision Avoidance,” Proc. of the IEEE Infocom, April 1989.
[14] T. Suda, J. B. Kim and D. Baxter, “The Robustness and Performance of Tree Algorithms in an Unshared Feedback Error Environment,” Proc. of the IEEE Infocom, March 1988.
[15] T. Suda and N. Watanabe, “Evaluation of Error Recovery Schemes for a High-Speed Packet Switched Network: Link-by-Link Versus Edge-to-Edge Schemes,” Proc. of the IEEE Infocom, March 1988.
[16] T. Suda and T. Bradley, “Packetized-Voice/Data Integrated Transmission on a Token Passing Ring Local Area Network,” Proc. of the IEEE Infocom, March 1987.
[17] Y. Oie, T. Suda, H. Miyahara and T. Hasegawa, “Throughput and Delay Analysis of Free Access Tree Algorithm with Mini-Slots,” Proc. of the IEEE Infocom, March 1988
[18] T. Suda, Y. Yemini and M. Schwartz, “Tree Network with Collision Avoidance Switches,” Proc. of the IEEE Infocom, April 1984.

4-2. ACM SIGCOMM Symposium (3 referees)

[1] T. Suda, S. Morris and T. Nguyen, “Tree LANs with Collision Avoidance: Protocol, Switch Architecture and Simulated Performance,” Proc. of the ACM SIGCOMM Symposium, Aug.1988.

4-3. IEEE International Conference on Communications (ICC) (3 referees)

[1] S. Ishihara and T. Suda, “Replica Arrangement Scheme for Location Dependent Information on Sensor Networks with Unpredictable Query Frequency,” submitted to Proc. of the IEEE International Conference on Communications (ICC), June 2009.
[2] Yahaya and T. Suda, “iREX MPO: a Multi-Path Option for the iREX Inter-Domain QoS Policy Architecture,” Proc. of the IEEE International Conference on Communications (ICC), May 2008.
[3] J. Song, S. Kim, M. Lee, H. Lee and T. Suda, “Adaptive Load Distribution over Multipath in MPLS Networks,” Proc. of the IEEE International Conference on Communications (ICC), May2003.
[4] Oliveira, J. B. Kim and T. Suda, “Quality-of-Service Guarantee in High-Speed Multimedia Wireless Networks,” Proc. of the IEEE International Conference on Communications (ICC), June 1996.

[5] L. Chen, B. J. Vickers, J. B. Kim, T. Suda and E. Lesnansky, “ATM and Satellite Distribution of Multimedia Educational Courseware,” Proc. of the IEEE International Conference on Communications (ICC), June 1996.
[6] Hong and T. Suda, “A Simulation Study of Packet Forwarding Methods for ATM Data Services,” Proc. of the IEEE International Conference on Communications (ICC), June 1995.
[7] K. Takahashi, J. B. Kim and T. Suda, “Performance Analysis of an FDDI Local Area Network with Video and Data Traffic,” Proc. of the IEEE International Conference on Communications (ICC), June 1993.
[8] P. Hong and T. Suda, “Survey of Techniques for Prevention and Control of Congestion in an ATM Network,” Proc. of the IEEE International Conference on Communications (ICC), June 1991.
[9] K. Takahashi and T. Suda, “Performance Analysis of an FDDI Local Area Network with Synchronous Traffic,” Proc. of the IEEE International Conference on Communications (ICC), June 1991.
[10] T. B. Maples and T. Suda, “Performance of Error Recovery Schemes in a Fast Packet Switching Network: Simulation Study,” Proc. of the IEEE International Conference on Communications (ICC), April 1990.
[11] Y. Oie, T. Suda, M. Murata and H. Miyahara, “Survey of the Performance of Non blocking Switches with FIFO Input Buffers,” Proc. of the IEEE International Conference on Communications (ICC), April 1990.
[12] T. Suda, Y. Yemini, L. Hu, B. Kwartler and A. Yoshimoto, “Multi-Media Communication Systems,” Proc. of the IEEE International Conference on Communications (ICC), June 1985.
[13] T. Suda, M. Schwartz and Y. Yemini, “Protocol Architecture of a Tree Network with Collision Avoidance Switches,” Proc. of the IEEE International Conference on Communications (ICC), May 1984.
[14] T. Suda, Y. Yemini, H. Miyahara and T. Hasegawa, “Performance Evaluation of a Packetized Voice System - Simulation Study,” Proc. of the IEEE International Conference on Communications (ICC), June 1983.
[15] T. Suda, H. Miyahara and T. Hasegawa, “Circuit and Packet Integrated Switching in a Satellite Communication Channel,” Proc. of the IEEE International Conference on Communications (ICC), June 1981.
[16] H. Miyahara, T. Suda and T. Hasegawa, “Optimal Terminal Group Division in Random Access Satellite Communication Channel,” Proc. of the IEEE International Conference on Communications (ICC), June 1980.

4-4. IEEE GLOBECOM (3 referees)

[1] S. Balasubramaniam, D. Botvich, R. Carroll, J. Mineraud, T. Nakano, T. Suda and W. Donnelly, “Adaptive Dynamic Routing Supporting Service Management for Future Internet,” Proc. of the IEEE Globecom, Nov. 2009.
[2] R. Egashira, A. Yahaya and T. Suda, “Market-Based Cooperative Resource Allocation for Overlay Networks,” Proc. of the IEEE Globecom, Nov. 2009.
[3] J. Lu and T. Suda, “Differentiated Surveillance for Static and Mobile Sensor Networks,” Proc. of the IEEE Globecom, Nov. 2007.
[4] A. Yahaya, T. Harks and T. Suda, “iREX: Efficient Inter-Domain QoS Policy Architecture,” Proc. of the IEEE Globecom, Nov. 2006.
[5] D. Hong and T. Suda, “Performance Evaluation of Connectionless Service for ATM Networks,” Proc. of the IEEE Globecom, Nov. 1995.
[6] D. C. Schmidt and T. Suda, “Experiences with an Object-Oriented Architecture for Developing Extensible Network Management Software,” Proc. of the IEEE Globecom, pp. 500 - 506, Nov. 1994.

[7] Y. Nishibe, K. Kuwabara, T. Suda and T. Ishida, “Distributed Channel Allocation in ATM Networks,” Proc. of the IEEE Globecom, Dec. 1993.
[8] T. B. Maples and T. Suda, “Voice and Data Integrated Transmission on an FDDI Network,” Proc. of the IEEE Globecom, Dec. 1992.
[9] J. Bae and T. Suda, “Survey of Congestion Control and Error Control Schemes in ATM Networks,” Proc. of the IEEE Globecom, Dec. 1990.
[10] M. Murata, Y. Oie, T. Suda and H. Miyahara, “Analysis of a Discrete-Time Single Server Queue with Bursty Inputs for Traffic Control in ATM Networks,” Proc. of the IEEE Globecom, Nov. 1989.
[11] T. Kamitake and T. Suda, “Evaluation of an Admission Control Scheme for an ATM Network Considering Fluctuations in Cell Loss Rate,” Proc. of the IEEE Globecom, Nov. 1989.
[12] N. Watanabe and T. Suda, “Evaluation of Error Recovery Protocols in High-Speed Packet Switched Networks,” Proc. of the IEEE Globecom, Nov. 1987.
[13] T. Suda, S. Morris and K. Goto, “Tree LANs with Collision Avoidance: Protocol and Switch Architecture,” Proc. of the IEEE Globecom, Nov. 1987.
[14] T. Suda, C. Yuen and K. Ohtsuki, “Performance Evaluation of Packetized Voice Transmission on a Token Ring Local Network,” Proc. of the IEEE Globecom, Dec. 1985.

- 178 papers in conferences and workshops - refereed
  - 85 papers in other conferences
  - 80 workshop papers and conference abstracts
  - 13 journal and conference papers with undergraduate students

5. Other Papers - Non-Refereed

- 116 papers - non-refereed
  - 14 conference posters, 4 non-technical papers and interviews, 43 conference papers, 55 technical reports