

March 2017

CURRICULUM VITAE

Name: Andrzej Jajszczyk
Nationality: Polish
Degree: Professor, Dr Hab.
Position: Full Professor

Date of birth: January 23, 1952
Place of birth: Deblin, Poland

Corresponding Member of Polish Academy of Sciences: from 2013

Address: Department of Telecommunications,
AGH University of Science Technology,
Al. Mickiewicza 30, 30-059 Krakow, Poland
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Home address: ul. Emaus 35 D, 30-213 Krakow, Poland, phone: +48 12 425 2808

Education: 1979 – 1980 Post-graduate study in “Mathematical Foundations of Reliability Theory”
1969 - 1974 Poznan University of Technology

Qualifications: 1994 Professor (State title granted by the President of Poland)
1986 Dr Hab. in Telecommunications
1979 Ph.D. in Telecommunications
1974 MSc/BEng in Electrical Engineering

Affiliations: 2015 - Polish Academy of Sciences, Krakow Branch (President)
2010 - 2015 National Science Center (Polish research funding agency), Krakow, Poland
(founding Director)
1999 - AGH University of Science and Technology, Krakow, Poland (Professor)
1996 - 1999 University of Technology and Agriculture, Bydgoszcz, Poland (Professor)
1993 - 1996 EFP — The Franco-Polish School of New Information and Communication
Technologies, Poznan, Poland (Professor)
1974 - 1992 Institute of Electronics & Communications, Poznan University
of Technology, Poznan, Poland

Leaves: Sept. 1998 – Feb. 1999 Ecole Nationale Supérieure des Télécommunications de Bretagne,
Rennes, France
Jan. 1991 - Jan. 1993 Queen's University, Kingston, Ontario, Canada
Sept. 1989 - Sept. 1990 The University of Adelaide, Adelaide, Australia
Shorter leaves: Polytechnic University of Catalonia, Barcelona, Spain;
National Cheng Kung University, Tainan, Taiwan.

Other Activities:

2017 – *European Research Council (ERC) – Scientific Council Member*
2011 – 2015 National Museum in Krakow – Member of the Museum Council
2004 – Vice-President of *Kyoto-Krakow Foundation* fostering cultural and technical
relation between Asia and Poland



Positions at IEEE Communications Society

2016 – Director of the Europe, Middle East & Africa Region
2008 – 2009 Vice President – Technical Activities
2010 – 2011 Director of Magazines
2006 – 2007 Director of the Europe, Africa, and Middle East Region
2004 – 2005 Director of Magazines

Research Areas:

IP networking;
Optical networks;
Network and service management;
Theory and practice of telecommunications switching, including photonic switching;
Reliability and survivability assurance in telecommunication networks;
Automatic control plane for optical networks;
Quality of service for IP-based networks; flow-aware networking;
Wireless networking.

Publications: 12 books + 4 book chapters,
132 journal papers,
175 papers published in conference proceedings,
65 papers on research and higher education
over 200 technical reports,
19 patents and 4 patent applications.

Citations

Thomson Reuters Web of Science: 1004 citations (Citing Articles: 772), h-index: 15
Google Scholar Citations: 2582 citations; *h index:* 22; *i10 index:* 56

In particular, the following papers are cited the most (*Google Scholar*):

- P. Demeester, M. Gryseels, A. Autenrieth, C. Brianza, L. Castagna, G. Signorelli, R. Clemente, M. Ravera, A. Jajszczyk, D. Janukowicz, K. Van Doorselaere, Y. Harada, "Resilience in multilayer networks", *IEEE Communications Magazine*, vol. 37, no. 8, August 1999, pp. 70-76 (300 citations)
- J. Gozdecki, A. Jajszczyk, R. Stankiewicz, "Quality of service terminology in IP networks", *IEEE Communications Magazine*, vol. 41, no. 3, March 2003, pp. 153-159 (255 citations)
- P. Cholda, A. Mykkeltveit, B. E. Helvik, O. J. Wittner, A. Jajszczyk, "A survey of resilience differentiation frameworks in communication networks," *IEEE Communications Surveys & Tutorials*, vol. 9, no. 4, Fourth Quarter 2007, pp. 32-55 (132 citations)
- R. Stankiewicz, P. Cholda, A. Jajszczyk, „QoX: what is it really?," *IEEE Communications Magazine*, vol. 49, no. 4, April 2011, pp. 148-158 (110 citations)
- J. Garcia-Haro, A. Jajszczyk, "ATM shared-memory switching architectures", *IEEE Network*, vol. 8, no. 4, July/August 1994, pp. 18-26 (107 citations)
- F. K. Hwang, A. Jajszczyk, "On nonblocking multiconnection networks," *IEEE Transactions on Communications*, vol. 34, no. 10, Oct.1986, pp. 1038-1041 (77 citations)
- A. Jajszczyk, "Automatically switched optical networks: benefits and requirements," *IEEE Communications Magazine*, vol. 43, no. 2, Feb. 2005, pp. S10-S15 (74 citations)
- R. Stankiewicz, A. Jajszczyk, "A survey of QoE assurance in converged networks," *Computer Networks*, vol. 55, no. 7, 2011, pp. 1459-1473 (70 citations)
- A. Jajszczyk, "Nonblocking, repackable, and rearrangeable Clos networks: Fifty years of the theory evolution," *IEEE Communications Magazine*, vol. 41, no. 10, Oct. 2003, pp. 28-33 (63 citations)

Works of A. Jajszczyk cited in patents

Citations in USA patents (58):

US 5,134,704; US 5,414,706; US 5,451,936; US 5,455,956; US 5,504,824; US 5,604,734; US 5,801,641; US 5,987,027; US 6,185,222 B1, US 6,259,834 B1; US 6,477,174 B1, US 6,747,971 B1; US 7,020,135 B2; US 7,072,350 B2, US 7,209,454 B2; US 7,230,952 B2; US 7,378,938 B2; US 7,424,010 B2; US 7,424,011 B2; US 7,499,650 B2; US 7,532,635 B2; US 7,664,097 B2; US 7,773,877 B2; US 7,813,332 B1; US 7,817,619 B1; US 7,830,860 B2; US 7,835,344 B1; US 7,843,908 B2; US 7,881,183 B2; US 7,948,968 B2; US 7,984,185 B2; US 8,089,959 B2; US 8,116,629 B2; US 8,200,843 B2; US 8,320,759 B2; US 8,379,531 B2; US 8,401,348 B2; US 8,432,797 B2; US 8,553,681 B2; US 8,565,603 B2; US 8,737,776 B2; US 8,976,782 B1; US 9,043,884 B2; US 9,054, 955 B2; US 9,137,385 B2; US 9,143, 608 B2; US 9,152,748 B2; US 9,154,417 B2; US 9,179,005 B2; US 9,215,254 B1; US 9,325,413 B2; US 9,330,052 B2; US 9,344,187 B2; US 9,413,486 B2; US 9,537,762 B2; US 9,549,071 B2; US 9,554,360 B2; US 9,565,307 B2

Citations in European patents (19):

EP 0396816; EP 0563415; EP 0569906B1; EP 0610672; EP 0717571; EP 0734188; EP 0806011; EP 0938243; EP 1043912 A2; EP 1175121 A1; EP1467591 B1; EP1467592 B1; EP 1794944 B1, EP1903693 B1; EP 1936911 B1; EP 2095583 B1; EP 2255542 B1; EP 2403185; EP2619682 A4;

Editorial Positions:

From 2016 – Steering Committee Member of *IEEE Communications Standards Magazine* (newly created)

From 2013 – Associate Editor-in-Chief of *China Communications* (CIC and IEEE)

From 2008 – Advisory/Editorial Board of *International Journal of Future Generation Communication and Networking* (SERSC, Korea)

From 2008 – International Advisory Committee of *Infocommunications Journal* (THE, Hungary)

From 2006 – Advisory Board of *Security and Communication Networks* (Wiley)

2006 – 2010 Senior Technical Editor, *IEEE Communications Magazine*

2004 – 2005, and 2010 – 2011 Director of Magazines, *IEEE Communications Society*

From 2004 – Member of the Editorial Board of *China Communications Magazine* (CIC)

2004 – 2009 – Editorial Advisory Board of *Computer Communications* (Elsevier)

From 2002 – Member of the Scientific Committee of *Annales des Télécommunications* (Hermes Science Publications)

2001 – 2011 Book Reviews column Editor of *IEEE Communications Magazine*

From 2000 – Member of the Advisory Board of *Przegląd Telekomunikacyjny*

From 1999 – Chair of the Editorial Advisory Board of *Journal of Telecommunications and Information Technology*

1998 – 2000 Editor-in Chief of *IEEE Communications Magazine*

(while serving as EIC, he introduced considerable changes within the editorial board and in the style requirements of ComMag. At the end of his three-year term, ComMag reached the top position of the impact factor list, the first and only time in the magazine's history. During his term the advertising revenue increased by 80%)

1994 – 1996 Founding Editor-in Chief of *IEEE Global Communications Newsletter*

1993 – 1997 Editor for Switching Theory and Fabrics of *IEEE Transactions on Communications*

Editing Special Issues:

1. *IEEE Journal on Selected Areas in Communications*, Special Issue on “Emerging Technologies”, vol. 31, no. 9, 2013
2. *IEEE Communications Magazine*, Feature topic on “Advances in control and management of connection-oriented networks, Pt. 2, vol. 45, no. 10, Oct. 2007

3. *IEEE Journal on Selected Areas in Communications* (USA), Special Issue on “Traffic Engineering for Multi-Layer Networks”, vol. 25, No. 6, June 2007
4. *IEEE Communications Magazine* (USA), Feature Topic on “Connection-Oriented Networks”, vol. 44, No. 12, Dec. 2006
5. *IEEE Communications Magazine* (USA), Special Issue on “Telecommunications in Transition — Moving Ahead: World Telecommunications Congress 2002”, vol. 41, No. 1, January 2003
6. *IEEE Communications Magazine* (USA), Special Issue on “Resilience in Communication Networks”, vol. 40, No. 1, January 2002
7. *IEEE Communications Magazine* (USA), Special Issue on “IP-Oriented Operations and Management”, *IEEE Communications Magazine*, vol. 39, No. 5, May 2001
8. *IEEE Communications Magazine* (USA), Special Issue on “Telecommunications Networking at the Start of the 21st Century”, vol. 39, No. 1, January 2001
9. *IEICE Transactions on Communications* (Japan), Special Issue on “Recent Progress in ATM Technologies”, vol. E83-B, No. 2, February 2000
10. *IEEE Journal on Selected Areas in Communications* (USA), Special Issue on “Telecommunications in Eastern Europe and Russia”, vol. 12, No. 7, September 1994

Reviews for: *ACM Computing Surveys, Annales des Télécommunications, Computers & Security, Discrete Applied Mathematics, IEEE/ACM Transactions on Networking, IEEE Communications Letters, IEEE Communications Magazine, IEEE Press, IEEE Journal on Selected Areas in Communications, IEEE Transactions on Communications, IEEE Transactions on Industrial Electronics, IEEE/OSA Journal of Lightwave Technology, Information Processing Letters, International Journal of Communication Systems, Journal of Parallel and Distributed Computing, Optical Switching and Networking, National Science Foundation (USA),* and numerous conferences.

Reviews for Research Funding Agencies

- *Severo Ochoa Centres of Excellence and María de Maeztu Units of Excellence, Spain, 2017*
- *START programme, Foundation for Polish Science (FNP) 2015, 2016, 2017*
- *PRIDE programme, Fonds National de la Recherche, Luxembourg, 2015 – 2016*
- *TEAM programme, Foundation for Polish Science (FNP) 2008, 2009, 2010*
- *HOMING Programme, Foundation for Polish Science (FNP) 2010*
- *Natural Sciences and Engineering Research Council of Canada (NSERC), Canada, 2013, 2014*
- *National Science Foundation, USA*
- *Multiple proposal reviews for Polish Ministry of Research and Higher Education and the Committee for Scientific Research.*

Leading Research Groups in European Projects:

1. SmoothIT (No. 216259), “Simple Economic Management Approaches of Overlay Traffic in Heterogeneous Internet Topologies”, 7th Framework Program (*Collaborative Project*), 2008-2010.
2. EuroNF, (No. 216366) “Anticipating the Network of the Future — From Theory to Design”, 7th Framework Program (Network of Excellence), 2008-2010.
3. EuroFGI (No. 028022), “Design and Engineering of the Future Generation Internet”, 6th Framework Program (Network of Excellence), 2006-2008.
4. “Performance Evaluation and Design of a Flow-Aware Networking Architecture”, research project funded by *France Telecom R&D*, Paris, France (Research Agreement no. 46135327, Oct. 1, 2005), 2005-2007.

5. EuroNGI (No. 507613), "Design and Engineering of the Next Generation Internet: Towards Convergent Multi-service Networks", 6th Framework Program (Network of Excellence), 2003-2006.
6. NOBEL II (No. 027305), "Next Generation Optical Networks for Broadband European Leadership Phase 2, 6th Framework Program (Integrated Project), 2006-2008.
7. NOBEL (No. 506760), "Next Generation Optical Network for Broadband in Europe", 6th Framework Program (Integrated Project), 2004-2006.
8. LION (IST-1999-11387), "Layers Interworking in Optical Networks", 5th Framework Program, 2000-2003.
9. 3ème série de CTI (Consultations Thématiques Informelles) for CNET Lannion (France), "Architecture of Photonic Packet Networks".
10. "System Management Function Scheduling", project for Alcatel-SEL, Berlin, Germany, 1994-1995.
11. ACTS, AC 205, "PANEL — Protection Across Network Layers", 1996-1998.
12. COPERNICUS, COP 579, "Research on ATM: Call Admission Control and Network Policing by Neural Networks and Performance Evaluation", 1995-1997.

Principal Investigator in Selected National Research Projects:

1. MNiSW (Ministry of Science and Higher Education), No N N517 555239, "Methods of reliability assurance in overlay networks" (2010-2013)
2. MNiSW (Ph.D. project), No N N517 394538, "Routing system assuring effective distribution of interdomain traffic in multiple operator environment" (2010-2011)
3. MNiSW, No N N517 394338, "System for autonomous traffic engineering and resource control of operator-grade aggregate Ethernet networks" (2010-2012)
4. MNiSW (Ph.D. project), No N N517 191137, "Increasing of GMPLS network reliability by modifications of the control plane" (2009-2010)
5. MNiSW (Ph.D. project), No N N517 390134, "Congestion control in flow-aware networks" (2008-2009)
6. MNiSW, No N517 013 32/2131, "Assessment and planning of modern telecommunication networks with differentiated quality and reliability" (2007-2010)
7. MNiSW (Ph.D. project), No 3 T11D 012 29, "Reliability analysis of recovery procedures in optical IP networks using GMPLS" (2005-2006).

Awards:

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| 2012 | <i>Krakow Allianz Prize 2011 "Culture Science Media", Krakow, February 2012</i> |
| 2011 | <i>Leader of Polish Teleinformatics – Gold Cyborg (Lider Polskiej Teleinformatyki Złoty Cyborg). For the outstanding contribution in the research on the development of next generation optical networks, Lodz, September 2011</i> |
| 2011 | <i>Janusz Groszkowski Medal (Medal im. Prof. Janusza Groszkowskiego). No. 426. Association of Polish Electrical Engineers, Warsaw, May 2011</i> |
| 2008 | <i>Foundation for Polish Science (FNP) Prize for research in the area of the theory of high-speed switching networks for the Next Generation Internet</i> |
| 2008 | <i>IEEE Communications Society Joseph LoCicero Award for Exemplary Service to Publications</i> |
| 2008 | <i>Siemens Award, for Research on Next Generation Telecommunications Networks and Systems, Warsaw, June 2008</i> |
| 2006 | <i>Best Paper Award IEEE International Conference on Communications ICC 2006</i> |
| 2000 | <i>Award for Achievements in Telecommunications, International Telecommunications Day, April 2000</i> |
| 2000 | <i>Best Paper in Telecommunications Review in 1999 Award</i> |
| 1999 | <i>Best Presentation Award at Fixed Network Optimisation Conference, EuroForum, October, 1999</i> |
| 1999 | <i>IEEE Fellowship, for contributions to the theory and practice of telecommunications switching</i> |

- 1995 *Honorable Mention, IEEE Communications Society Best Tutorial Paper Award*
1994 *Honorable Mention, Frederick W. Ellersick Prize Paper Award for Best Paper in the Communications Magazine 1993*
1987 *The Copernicus Award for Outstanding Achievements in Creative Work*
1980, 1984, 1987, 1994, 1996 Awards of the *Ministry of Science, Higher Education and Technology* for Achievements in Research

Industrial Activities:

Consultant to industry, telecommunications operators, and government agencies in Poland (e.g., Alcatel Poland, Polkomtel S.A., Telekomunikacja Polska S.A., Tel-Energo, Teletra S.A., PPW Inventel, Telefonía Lokalna), Australia (e.g., Defence Science and Technology Organisation), Canada (e.g., Northern Telecom – Calgary), China, (Ministry of Science and Technology of China), France (e.g., Cegetel), Germany (e.g., Alcatel-SEL – Stuttgart), USA (e.g., Gladsis, Holmdel, NJ), India (e.g., Tata Consultancy Services Ltd., Bombay, Axes Technologies, Bangalore, CG-Smith Software, Bangalore).

He has been involved in several projects for industry concerning the design and performance evaluation of electronic narrowband and broadband switching systems (e.g., for Telkom-Teletra and Telkom-ZWUT in Poland, Australia Telecom, OTC Ltd., and DSTO in Australia, France Telecom R&D in France)

Membership: IEEE Communications Society (Fellow)
Association of Polish Electrical Engineers (Member).

Teaching: Principles of Telecommunications Switching, Digital Switching Systems, Computer Communications, Computer Networks, Photonic Switching Systems, Fundamentals of Telecommunications Networks, Introduction to Network Management, Optical IP Networks, Selected Topics in High-Speed Networks

Tutorials delivered in: Australia, Canada, China, Costa Rica, Egypt, France, Germany, Greece, India, Italy, Mexico, Panama, Peru, Poland, South Africa, Spain, Taiwan, USA

On-line courses

“Automatically Switched Optical Networks”, 5-day *on-line* course, Stevens Institute of Technology, Hoboken, NJ, USA, available in 2004

<http://eseminars.stevens.edu/cgi-bin/professional/ICS006WS01.html?id=co4hGSDU>

“Architectures of Intelligent Optical Networks”, 3-hour *on-line* course, IEEE Communications Society within the *Tutorials Now* program.

Available at: <http://www.comsoc.org/livepubs/tutorials/index.htm>

Keynote, Plenary, and Invited Speeches

1. A. Jajszczyk, „Flow-Aware Networking – A Powerful Tool for QoS Assurance in IP Networks”, *31st International Symposium on Computer and Information Sciences*, Krakow, Poland, October 27, 2016 (Keynote Speech)
2. A. Jajszczyk, „Technological and business dimensions in survivable network design”, July 23, 2013, *Optical Internetworking Forum 3Q2013 Meeting*, Warsaw (Guest Lunch Time Speaker)
3. A. Jajszczyk, “Quality Guarantees in Internet – Not Only Technical Challenges.” *35th Symposium on Contemporary Economy and Public Administration*. Zakopane, Poland , May 18-20, 2012 (Master’s Lecture)

4. A. Jajszczyk, "New Technologies in Telecommunications and How They Influence the Development of Services?" *Perspectives for the Development of the Electronic Communications Market in the EU*, Warsaw, Poland, October 19-20, 2011 (Keynote Presentation)
5. A. Jajszczyk, "Future Networks Research in Poland," *Future Networks & Mobile Summit 2011*, Warsaw, Poland, June 15-17, 2011 (Plenary Talk)
6. A. Jajszczyk, "Quality of Network Resilience — Challenges, Solutions, and Trends," *30th International Conference on Distributed Computing Systems ICDCS 2010*, Genova, Italy, 21-25 May 2010 (Keynote Speech)
7. A. Jajszczyk, "Multilayer Network Resilience", *Optical Fiber Communication Conference and Exposition OFC 2009*, San Diego, California, USA, March 22-26, 2009 (Invited Tutorial)
8. J. Perelló, S. Spadaro, I. E. Svinnet, E. Zouganeli, P. Cholda, A. Jajszczyk, K. Wajda, D. Verchere, R. Gruenzinger, J. Fernández-Palacios, O. González de Dios, V. Chandrakumar, "The NOBEL2 Approach to Resilience in Future Transport Networks," *34th European Conference and Exhibition on Optical Communication ECOC 2008*, Brussels, Belgium, 21-25 September 2008, vol. 3, pp. 85-86 (Invited Paper)
9. A. Jajszczyk, "Quality of Service Challenges in IP Networks," *Third International Conference on Communications and Networking in China CHINACOM 2008*, Hangzhou, China, 25-27 August 2008 (Keynote Speech)
10. P. Chołda, A. Jajszczyk, "Perspectives of Quality of Recovery (QoR) Implementation with GMPLS-based Control Plane", *Proc. VI Workshop in G/MPLS Networks*, Edited by P. Vilà & E. Calle, Girona, Spain, 12-13 April 2007, pp. 61-73 (Keynote Speech)
11. J. Derkacz, A. Jajszczyk, A. Lasoń, J. Rząsa, K. Wajda, "Next Generation Optical Networks for Broadband Services: The IST NOBEL Approach", *6th International Conference on Transparent Optical Networks ICTON 2004*, Wrocław, Poland, July 4-8, 2004, pp. 69-74 (Invited Paper)
12. A. Jajszczyk, "The ASON Approach to the Control Plane for Optical Networks", *6th International Conference on Transparent Optical Networks ICTON 2004*, Wrocław, Poland, July 4-8, 2004, pp. 87-90 (Invited Paper)
13. A. Jajszczyk, "50 Years of Clos Networks: A Survey of Research Issues", *Workshop on High Performance Switching and Routing HPSR 2003*, Torino, Italy June 24-28, 2003 (Invited Talk)
14. A. Jajszczyk, M. Kubale, "Repackable networks — the concept and applications", *Advances in Switching Networks, DIMACS Workshop*, Princeton, NJ, USA, July 7-9, 1997; in: D.-Z. Du and F. K. Hwang (Eds), *DIMACS Series in Discrete Mathematics and Theoretical Computer Science*, vol. 42, American Mathematical Society, 1998, pp. 75-83 (Invited Paper)

Conference Organization:

Creation and organization of new conferences

1. Technical Program Committee Chair, *IEEE Workshop on IP-oriented Operations & Management IPOM '2000*, Kraków, September 18-20, 2000 (next conferences were held in Taiwan, USA, China, Ireland, and Greece).
2. Co-chair and Technical Program Chair of the *1st IEEE Int. Workshop on Broadband Switching Systems BSS '95*, Poznań, Poland, April 1995 (this workshop, after merging with two other conferences, and changing the name to *IEEE High Performance Switching and Routing*, became the most important yearly event in telecommunications switching).

Chairing or co-chairing of conferences

1. General Co-Chair, , *IEEE Conference on Communications ICC 2018*, Kansas City, USA, 2018
2. General Co-Chair, *IEEE High Performance Switching and Routing HPSR 2014*, Vancouver, Canada, June 2014
3. Honorary Chair, *IEEE International Conference on Emerging Technologies and Factory Automation ETFA 2012*, Krakow, Poland, September 18- 20, 2012
4. General Co-Chair, *24th International Teletraffic Congress ITC 24*, Krakow, Poland, September 4-7, 2012
5. General Chair, *8th International Workshop Design of Reliable Communication Networks DRCN 2011*, Krakow, Poland, October 9-12, 2011
6. General Co-Chair, *IEEE High Performance Switching and Routing IEEE HPSR 2011*, Cartagena, Spain, June 27-29, 2011
7. Chair, *4th Conference on Next Generation Internet Networks NGI 2008* [IEEE], Krakow, Poland, April 28-30, 2008
8. Co-Chair, *Workshop on GMPLS Performance Evaluation: Control Plane Resilience, IEEE International Conference on Communications ICC 2007*, Glasgow, UK, June 24, 2007
9. Chair, *3rd EuroNGI Workshop on Traffic Engineering, Protection and Restoration for NGI*, Kraków, Poland, May 4-5, 2006
10. International Vice-Chair, *IEEE INFOCOM 2006 25th Annual Conference on Computer Communications*, Barcelona, Spain, 23-29 April 2006
11. Information Networking Track Chair, *2nd International Conference on Information Technology: Research and Education ITRE 2004*, London, UK, June 28-July 1, 2004
12. Symposium Co-Chair, *High-Speed Networks Symposium, IEEE International Conference on Communications ICC 2002*, New York, NY, USA, April 28- May 2, 2002
13. General Co-Chair, *The Fifth IEEE Symposium on Computer and Communications ISCC '2000*, Antibes-Juan les Pins, France, July 4-6, 2000

Other positions at Executive Committees

1. Tutorial Chair, *15th International Telecommunications Network Strategy and Planning Symposium NETWORKS 2010*, Rome, Italy, Oct. 15-18, 2012
2. Tutorial Chair, *14th International Telecommunications Network Strategy and Planning Symposium NETWORKS 2010*, Warsaw, Poland, Sept. 27-30, 2010
3. Tutorial Co-Chair, *IEEE International Conference on Communications ICC 2009*, Dresden, Germany, June 14-18, 2009
4. Tutorial Chair, *NETWORKS 2008, 13th International Telecommunications Network Strategy and Planning Symposium*, Budapest, Hungary, Sept. 28 – Oct. 2, 2008

Advisory or Steering Committee membership

1. International Advisory Committee Member, International Conference on ICT Convergence ICTC 2010, Jeju Island, Korea, November 17-19, 2010
2. Steering Committee Member, *International Workshop Design of Reliable Communication Networks DRCN*; from 2010

3. International Advisory Board Member, *First International Conference on Future Information Networks*, Beijing, China, October 14-17, 2009
4. International Advisory Committee Member, *IEEE International Symposium on Advanced Networks and Telecommunications Systems ANTS*; from 2007
 - *4th IEEE International Symposium on Advanced Networks and Telecommunication Systems ANTS*, Mumbai, India, December 16-18, 2010
 - *3rd IEEE International Symposium on Advanced Networks and Telecommunication Systems ANTS*, New Delhi, India, December 14-16, 2009
 - *2nd IEEE International Symposium on Advanced Networks and Telecommunications Systems ANTS*, Mumbai (Bombay), India, December 15-17, 2008
 - *First International Symposium on Advanced Networks and Telecommunications Systems ANTS*, Mumbai (Bombay), India, December 17-18, 2007
5. Steering Committee Member, *IEEE International Workshop on IP Operations & Management IPOM*; from 2004
 - *9th IEEE International Workshop on IP Operations & Management IPOM 2009*, Venice, Italy, October 29-30, 2009
 - *8th IEEE International Workshop on IP Operations & Management IPOM 2008*, Samos Island, Greece, September 22-23, 2008
 - *7th IEEE International Workshop on IP Operations & Management IPOM 2007*, San Jose, California, USA, October 31 – November 2, 2007
 - *6th IEEE International Workshop on IP Operations & Management IPOM 2006*, Dublin, Ireland, October 23-26, 2006
 - *5th IEEE International Workshop on IP Operations & Management IPOM 2005*, Barcelona, Spain, October 26-28, 2005
 - *IEEE International Workshop on IP Operations & Management IPOM 2004*, Beijing, China, October 11 – 13, 2004
6. Steering Committee Member, *Krajowe Sympozjum Telekomunikacji i Teleinformatyki KSTiT [National Symposium on Telecommunications and Teleinformatics]*; from 2007
 - *29th KSTiT, Gdańsk*, Poland, 4-6 September 2013
 - *28th KSTiT, Warszawa-Miedzeszyn*, Poland, 12-14 September 2012
 - *27th KSTiT, Łódź*, Poland, 14-16 September 2011
 - *26th KSTiT, Wrocław*, Poland, 8-10 September 2010
 - *25th KSTiT*, Warsaw, Poland, September 16-18, 2009
 - *24th KSTiT*, Bydgoszcz, Poland, September 10-12, 2008
 - *23th KSTiT*, Bydgoszcz, Poland, September 12-14, 2007
7. Advisory Board Member, *IEEE International Conference on High Performance Switching and Routing HPSR*; from 2002
 - *IEEE Workshop on High Performance Switching and Routing HPSR 2012 [IEEE]*, Belgrade, Serbia, June 24-27, 2012

- *IEEE Workshop on High Performance Switching and Routing HPSR 2011* [IEEE], Cartagena, Spain, July 4-6, 2011
 - *11th International Conference on High Performance Switching and Routing HPSR 2010* [IEEE], Richardson, Texas, USA, June 14-16, 2010
 - *IEEE Workshop on High Performance Switching and Routing HPSR 2009* [IEEE], Paris, France, June 22-24, 2009
 - *International Conference on High Performance Switching and Routing HPSR 2008*, Shanghai, China, May 15-17, 2008
 - *Workshop on High Performance Switching and Routing HPSR 2007*, Brooklyn, NY, USA, May 30 - June 1, 2007
 - *Workshop on High Performance Switching and Routing HPSR 2006* [IEEE], Poznań, Poland, June 7-9, 2006
 - *IEEE Workshop on High Performance Switching and Routing HPSR 2005* [IEEE], Hong Kong, May 12-14, 2005
 - *Workshop on High Performance Switching and Routing: Phoenix HPSR 2004* [IEEE], Phoenix, Arizona, USA., April 19-21, 2004
 - *Workshop on High Performance Switching and Routing HPSR 2003*, Torino, Italy, June 24-28, 2003
 - *Workshop on High Performance Switching and Routing HPSR 2002*, Kobe, Japan, May 26-29, 2002
8. International Advisory Committee Member, *International Conference on Networking ICN*; from 2001
 - *3rd International Conference on Networking ICN'04*, Pointe-a-Pitre, Guadeloupe, March 1-4, 2004
 - *IEEE International Conference on Networking ICN '01*, Colmar, France, July 11-13, 2001
 9. Advisory Committee Member, *International Conference on Communication and Broadband Networking (ICBN)*, Bangalore, India, May 5-7, 2003
 10. International Advisory Committee Member, *Advanced Technologies, Applications and Market Strategies for 3G ATAMS '2001*, Cracow, Poland, June 18-20, 2001
 11. International Advisory Committee Member, *IEEE International Conference on Third Generation Wireless Communications (Mini-Workshop: 3rd Int. Workshop on Wireless Mobile ATM Implementation)*, Silicon Valley, USA, June 14-16, 2000
 12. International Advisory Committee Member, *IEEE 50th Vehicular Technology Conference*, Amsterdam, The Netherlands, September 19-22, 1999
 13. Workshop Advisory Committee Member, *The Second International Workshop on Wireless Mobile ATM*, Bay Area, USA, June 2-4, 1999

Technical Program Committee Membership

1. Technical Program Committee Member, *IEEE 17th International Conference on High Performance Switching and Routing*, IEEE HPSR 2016, Yokohama, Japan, 2016
2. Technical Program Committee Member (subcommittee SC4), *Asia Communications and Photonics Conference and Exhibition ACP 2011*, Shanghai, China, November 14-16, 2011

3. Technical Program Committee Member, *3rd International Workshop on Reliable Networks Design and Modeling*, Budapest, Hungary, October 5-7, 2011
4. Technical Program Committee Member, *23rd International Teletraffic Congress ITC 2011*, San Francisco, CA, USA, September 6-8, 2011
5. Technical Program Committee Member, *7th Euro-NF Conference on Next Generation Internet*, Kaiserslautern, Germany, June 27-29, 2011
6. Technical Program Committee Member, *1st European Teletraffic Seminar*, Poznań, Poland, February 14-16, 2011
7. Program Committee Member, *The 2010 International Conference on Future Generation Communication and Networking*, Jeju, Jeju Island, Korea, December 15-17, 2010
8. Technical Program Committee Member (subcommittee SC4), *Asia Communications and Photonics Conference and Exhibition ACP 2010*, Shanghai, China, December 8-12, 2010
9. Technical Program Committee Member, *IEEE International Conference on Communication Systems ICCS 2010*, Singapore, November 17-20, 2010
10. Technical Program Committee Member, *The Australasian Telecommunication Networks and Applications Conference ATNAC 2010*, Auckland, New Zealand, October 31 – November 2, 2010
11. Technical Program Committee Member, *2nd International Workshop on Reliable Networks Design and Modeling*, Moscow, Russia, October 18-20, 2010
12. Technical Program Committee Member, *22nd International Teletraffic Congress ITC 22*, Amsterdam, Netherlands, September 7-9, 2010
13. Technical Program Committee Member, *6th Working Conference on Performance Modelling and Evaluation of Heterogeneous Networks HET-NETs 2010*, Zakopane, Poland, January 14-15, 2010
14. Program Committee Member, *The 2009 International Conference on Future Generation Communication and Networking FGCN 2009*, Jeju Island, Korea, December 10-12, 2009
15. Technical Program Committee Member, *16th Polish Teletraffic Symposium PTS 2009*, Łódź, Poland, September 24-25, 2009
16. Technical Program Committee Member, *21st International Teletraffic Congress ITC 21*, Paris, France, September 15-17, 2009
17. Technical Program Committee Member, *The First International Workshop on Neutral Access Networks NEUTRAL 2009*, Cannes, France, August 23-29, 2009
18. Technical Program Committee Member, *Conference on Next Generation Internet Networks Euro-NGI 2009*, Aveiro, Portugal, July 1-3, 2009
19. Technical Program Committee Member, *International Workshop on Traffic Management and Traffic Engineering for the Future Internet FITraME n 2008*, Porto, Portugal, December 11-12, 2008
20. Program Committee Member, *The 2nd International Conference on Future Generation Communication and Networking FGCN 2008*, Hainan Island, China, December 13-15, 2008
21. Technical Program Committee Member, *5th Polish-German Teletraffic Symposium PGTS'08*, Berlin, Germany, October 6-7, 2008
22. Technical Program Committee Member, *8th IEEE International Workshop on IP Operations and Management IPOM 2008*, Samos, Greece, September 22-23, 2008
23. Technical Program Committee Member, *European Conference on Optical Communications ECOC 2008*, Brussels, Belgium, September 21-25, 2008

24. Technical Program Committee Member, *Third International Workshop on Guaranteed Optical Service Provisioning GOSP-2008*, Co-located with BROADNETS 2008, September 8-11, London, UK
25. Technical Program Committee Member, *IEEE Peer-to-Peer for Handheld Devices Workshop (IEEE P2P HD 2008)*, Las Vegas, NV, USA, January 12, 2008
26. Program Committee Member, *The 2007 International Conference on Future Generation Communication and Networking FGNC-07*, Jeju-Island, Korea, December 6-8, 2007
27. Technical Program Committee Member, *2007 Australasian Telecommunication Networks and Applications Conference ATNAC 2007*, Christchurch, New Zealand, December 2-5, 2007
28. Technical Program Committee Member, *7th IEEE International Workshop on IP Operations & Management IPOM 2007*, San Jose, California, USA, October 31 – November 2, 2007
29. Technical Program Committee Member, *14th Polish Teletraffic Symposium PTS 2007*, Zakopane, Poland, September 20-21 September 2007
30. Technical Program Committee Member, *3rd Euro-NGI Conference on Next Generation Internet Networks*, [IEEE]. Trondheim, Norway, May 21-23, 2007
31. Technical Program Committee Member, *4th European Conference on Universal Multiservice Networks ECUMN 2007*, Toulouse, France, January 29-31, 2007
32. Technical Program Committee Member, *IEEE Global Telecommunications Conference GLOBECOM 2006*, San Francisco, California, USA, November 27 – December 1, 2006
33. Technical Program Committee Member, *2nd IEEE ComSoc/CreateNet International Workshop on Guaranteed Optical Service Provisioning GOSP 2006*, co-located *BroadNets 2006*, San Jose, California, USA, Oct. 1-5, 2006
34. Technical Program Committee Member, *4th Polish-German Teletraffic Symposium PGTS'2006*, Wroclaw, Poland, September 21-22, 2006
35. Technical Program Committee Member, *2nd Conference on Next Generation Internet Design and Engineering* [IEEE], Valencia, Spain, April 3-5, 2006
36. Technical Program Committee Member, *Symposium on Photonic Technologies for Communications, IEEE Global Telecommunications Conference GLOBECOM 2005*, St. Louis, MO, USA, November 28 – December 2, 2005
37. Technical Program Committee Member, *The 5th IEEE International Workshop on IP Operations & Management IPOM 2005*, Barcelona, Spain, October 26-28, 2005
38. Technical Program Committee Member, *First IEEE/CreateNet International Symposium on Guaranteed Optical Service Provisioning GOSP 2005*, Co-located with IEEE/CreateNet BROADNETS 2005, October 3-7, 2005, Boston, USA
39. Technical Program Committee Member, *12th Polish Teletraffic Symposium PSRT 2005*, Poznan, 19-20 September 2005
40. Member of the Scientific Committee, *Third International Working Conference HET-NETs'05 Performance Modelling and Evaluation of Heterogeneous Networks*, Ilkley, UK, July 18-20, 2005
41. Technical Program Committee Member, *Symposium on Optical Networking, IEEE Conference on Communications ICC 2005*, Seoul, Korea, May 16-20, 2005
42. Technical Program Committee Member, *2nd EuroNGI Workshop on Traffic Engineering, Protection and Restoration for NGI*, Rome, Italy, April 21-22, 2005

43. Technical Program Committee Member, *1st EuroNGI Conference on Next Generation Internet Networks – Traffic Engineering* [IEEE], Rome, Italy, April 18-20, 2005
44. Technical Program Committee Member, *Optical Communications, Networks, and Systems Symposium, IEEE Global Telecommunications Conference GLOBECOM 2004*, Dallas, Texas, USA, November 29 – December 3, 2004
45. Technical Program Committee Member, *2004 IEEE International Workshop on IP Operations & Management IPOM 2004*, Beijing, China, October 12-13, 2004
46. Program Committee Member, *Fifth International Workshop on Quality of future Internet Services QofIS'04*, Barcelona, Spain, September 29 – October 1, 2004
47. Technical Program Committee Member, *Joint Conference: 12th GI/ITG Conference on Measuring, Modelling and Evaluation of Computer and Communication Systems MMB and 3rd Polish-German Teletraffic Symposium PGTS*, Dresden, Germany, September 12-15, 2004
48. Program Committee Member, *2nd International Working Conference on Performance Modelling and Evaluation of Heterogeneous Networks HET-NET '04*, Ilkley, UK, July 26-28, 2004
49. Technical Program Committee Member, *2004 International Symposium on Performance Evaluation of Computer and Telecommunication Systems SPECTS'04*, San Jose, California, USA, July 25-29, 2004
50. Technical Program Committee Member, *10th Polish Teletraffic Symposium PSRT 2003*, Krakow, 18-19.09.2003
51. Technical Program Committee Member, *The 28th IEEE Conference on Local Computer Networks LCN 2003*, Bonn, Germany, October 20-24, 2003
52. Scientific Committee Member, *First International Working Conference on Performance Modelling and Evaluation of Heterogeneous Networks HET-NET '03*, Ilkley, UK, July 21-23, 2003
53. Technical Program Committee Member, *International Symposium on the Performance Evaluation of Computer and Telecommunication Systems SPECTS 2003*, Montreal, Quebec, Canada, July 20-25, 2003
54. Program Committee Member, *Optical Networking Symposium, IEEE Conference on Communications ICC 2003*, Anchorage, Alaska, USA, May 11-15, 2003
Technical Program Committee Member, *The Seventh IEEE Symposium on Computer and Communications ISCC '2002*, Taormina, Italy, July 1-4, 2002
56. Technical Program Committee Member, *2002 Workshop on High Performance Switching and Routing HPSR 2002*, Kobe, Japan, May 26-29, 2002
57. Technical Program Committee Member, *Network Operations and Management Symposium NOMS 2002*, Florence, Italy, April 15-19, 2002
58. Program Committee Member, *2nd European Conference on Universal Multiservice Networks ECUMN'02*, Colmar, France, April 8-10, 2002
59. Technical Program Committee Member, *The 26th Annual IEEE Conference on Local Computer Networks LCN 2001*, Tampa, Florida, USA, November 14-16, 2001
60. Technical Program Committee Member, *12th IFIP/IEEE Int. Workshop on Distributed Systems Operations & Management DSOM 2001*, Nancy, France, October 15-17, 2001
61. Technical Program Committee Member, *NATO Regional Conference on Military Communications and Information Systems*, Zegrze, Poland, October 10-12, 2001
62. International Scientific Committee Member, *Third International Workshop on the Design of Reliable Communication Networks DRCN 2001*, Budapest, Hungary, October 7-10, 2001

63. Technical Program Committee Member, *International Symposium on the Performance Evaluation of Computer and Telecommunication Systems SPECTS 2001*, Orlando, Florida, USA, July 15-19, 2001
64. Technical Program Committee Member, *The 6th IEEE Symposium on Computers and Communications ISCC '2001*, Hammamet, Tunisia, July 3-5, 2001
65. Technical Program Committee Member, *2001 IEEE Workshop on High Performance Switching and Routing HPSR 2001*, Dallas, Texas, USA, May 29-31, 2001
66. Program Committee Member, *Protocols for Multimedia Systems PROMS '2000*, Kraków, Poland, October 22-25, 2000
67. Scientific Program Committee Member, *1st IEEE European Conference on Universal Multiservice Networks ECUMN'2000*, Colmar, France, October 16-18, 2000
68. Technical Program Committee Member, *First Polish-German Teletraffic Symposium PGTS 2000*, Dresden, Germany, September 24-26, 2000
69. Technical Program Committee Member, *Symposium on the Performance Evaluation of Computer and Telecommunication Systems SPECTS 2000*, Vancouver, B.C., Canada, July 16-20, 2000
70. Technical Program Committee Member, *IEEE Conference on High Performance Switching and Routing HPSR 2000*, Heidelberg, Germany, June 26-29, 2000
71. Technical Program Committee Member, *International Conference on Telecommunications ICT 2000*, Acapulco, Mexico, May 22-25, 2000
72. International Scientific Committee Member, *Second International Workshop on the Design of Reliable Communication Networks DRCN 2000*, Munich, Germany, April 10-12, 2000
73. Technical Program Committee Member, *Broadband Access Conference – BAC'99*, Krakow, October 11-13, 1999
74. International Technical Committee Member, *1999 International Workshop on Mobile Communications*, Chania, Crete, Greece, June 24-26, 1999
75. Technical Program Committee Member, *3rd IEEE International Workshop on Broadband Switching Systems BSS '99*, Kingston, Ontario, Canada, June 1-3, 1999
76. Technical Program Committee Member, *IEEE ATM '99 Workshop*, Kouchi, Japan, May 24-27, 1999
77. Technical Committee Member, *3rd IFIP WG 6.2 Workshop on Traffic Management and Synthesis of ATM Networks*, London, UK, April 26-28, 1999
78. Technical Program Committee Member, *IV International Conference and Exhibition: Communications, Networks, Internet, COMNET*, Warsaw, June 17-19, 1998
79. Technical Program Committee Member, *IEEE ATM '98 Workshop*, Fairfax, VA, USA, May 26-29, 1998
80. International Scientific Committee Member, *First International Workshop on the Design of Reliable Communication Networks DRCN 98*, Brugge, Belgium, May 17-20, 1998
81. Technical Program Committee Member, *2nd IEEE International Workshop on Broadband Switching Systems BSS '97*, Taipei, Taiwan, Dec. 3-4, 1997
82. Technical Program Committee Member, *IEEE ATM '97 Workshop*, Lisbon, Portugal, May 26-28, 1997
83. Technical Program Committee Member, *IEEE/SBT International Telecommunications Symposium ITS '96*, Acapulco, Mexico, October 1996
84. Program Committee Member, *CFIP '96 Colloque Francophone sur l'Ingénierie des Protocoles*, Rabat, Morocco, October 1996

85. Technical Program Committee Member, *IEEE ATM '96 Workshop*, San Francisco, August 25-27, 1996
 86. Scientific Committee Member, *1996 EUNICE Summer School on Telecommunications Services*, Lausanne, Switzerland, September 1996
 87. Technical Program Committee of the *IEEE INFOCOM '96*, San Francisco, Calif., USA, March 1996
 88. Technical Program Committee of the *IEEE ATM Workshop '95*, Washington, D.C., USA, Oct. 1995
 89. Program Committee Member of the *IEEE Information Theory Workshop, ITW '95*, Rydzyna, Poland, June 1995
 90. Program Committee Member of the *Workshop on High-Speed Network Computing HiNet '95*, Santa Barbara, California, USA, April 1995
 91. Program Committee Member of the *First EUNICE Tutorials on Evolution Towards High Speed Networks*, Brest, France, Sept. 5-6, 1994 (EUNICE: the European Network of Universities and Companies in Information and Communication Technologies).
 92. TPC member of *Krajowe Sympozjum Telekomunikacji [National Telecommunications Symposium]* (1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008)
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